

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052097.D
 Acq On : 1 Nov 2018 12:27
 Operator : MD\SY
 Sample : VN1101WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Quant Time: Nov 02 05:43:38 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	59599	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	354385	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	313098	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	134147	30.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.10%
60) 4-Bromofluorobenzene	12.40	95	145821	29.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.03%
63) Toluene-d8	10.09	98	441379	29.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.93%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	81087	20.371	ug/l 100
3) Chloromethane	2.06	50	93861	20.632	ug/l 100
4) Vinyl Chloride	2.19	62	91449	20.491	ug/l 99
5) Bromomethane	2.57	94	64359	21.128	ug/l 96
6) Chloroethane	2.71	64	57831	20.266	ug/l 95
7) Trichlorofluoromethane	3.02	101	122027	20.192	ug/l 93
8) Diethyl Ether	3.41	74	40075	19.639	ug/l 88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	74620	21.126	ug/l 99
10) 1,1-Dichloroethene	3.74	96	67412	20.453	ug/l 98
11) Methyl Iodide	3.96	142	92686	19.450	ug/l 96
12) Methyl Acetate	4.32	43	58449	21.069	ug/l 97
13) Acrolein	3.60	56	28293	96.153	ug/l 98
14) Acrylonitrile	4.99	53	123141	100.095	ug/l 98
15) Acetone	3.82	58	30123	103.601	ug/l 98
16) Carbon Disulfide	4.06	76	191174	19.645	ug/l 99
17) Allyl chloride	4.33	41	109177	19.510	ug/l 95
18) Methylene Chloride	4.55	84	78143	19.209	ug/l 92
19) trans-1,2-Dichloroethene	5.04	96	74300	20.575	ug/l 96
20) Diisopropyl ether	5.95	45	245925	20.224	ug/l 95
21) 1,1-Dichloroethane	5.85	63	143460	20.187	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	84838	20.119	ug/l 99
23) tert-Butyl Alcohol	4.78	59	21437	111.838	ug/l # 99
24) Methyl tert-Butyl Ether	5.05	73	193060	20.662	ug/l # 78
25) Chloroform	7.37	83	145200	20.349	ug/l 98
26) Cyclohexane	7.65	56	130338	20.460	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	112146	19.932	ug/l 99
30) 2-Butanone	6.84	43	151962	101.420	ug/l # 94
31) 2,2-Dichloropropane	6.82	77	114182	19.701	ug/l # 88
32) 1,1,1-Trichloroethane	7.57	97	121097	19.236	ug/l 97
33) Carbon Tetrachloride	7.78	117	104122	18.598	ug/l 97
34) Benzene	8.04	78	326340	19.809	ug/l 97
35) Methacrylonitrile	7.17	41	32935	16.026	ug/l # 70
36) 1,2-Dichloroethane	8.03	62	1790	0.325	ug/l 98
37) Trichloroethene	8.83	130	80794	19.595	ug/l 96
38) Methylcyclohexane	9.08	83	135200	19.698	ug/l 98
39) 1,2-Dichloropropane	9.12	63	86725	19.776	ug/l 94
40) Dibromomethane	9.21	93	51609	19.093	ug/l 95

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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
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 ClientSampleId :
 VN1101WBS01

Quant Time: Nov 02 05:43:38 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)
41) Bromodichloromethane	9.40	83	105955	19.158	ug/l	99
42) Vinyl Acetate	5.90	43	866723	98.809	ug/l	100
43) Ethyl Acetate	6.84	43	151962	20.181	ug/l #	87
44) Isopropyl Acetate	8.17	43	124070	19.901	ug/l	94
45) 1,4-Dioxane	9.20	88	11801	414.931	ug/l #	75
46) Methyl methacrylate	9.20	41	58636	18.894	ug/l	98
47) n-amyl Acetate	12.07	43	105706	18.705	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	102956	18.747	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	123154	19.429	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	71072	19.884	ug/l	97
51) Ethyl methacrylate	10.43	69	93628	20.268	ug/l	98
52) 1,3-Dichloropropane	10.71	76	122704	19.708	ug/l	99
53) Dibromochloromethane	10.90	129	70637	18.305	ug/l	97
54) 1,2-Dibromoethane	11.01	107	70553	19.465	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	252627	99.866	ug/l	99
56) Bromoform	12.13	173	38270	17.171	ug/l	95
58) 4-Methyl-2-Pentanone	9.99	43	344455	102.669	ug/l	99
59) 2-Hexanone	10.75	43	235070	101.760	ug/l	99
61) Tetrachloroethene	10.63	164	69370	20.372	ug/l	91
62) Toluene	10.16	91	357660	20.349	ug/l	100
64) Chlorobenzene	11.43	112	216647	19.449	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	72934	19.237	ug/l	97
66) Ethyl Benzene	11.51	91	380348	20.034	ug/l	100
67) m/p-Xylenes	11.62	106	290996	39.812	ug/l	98
68) o-Xylene	11.95	106	140831	20.209	ug/l	97
69) Styrene	11.96	104	220005	19.592	ug/l	98
70) Isopropylbenzene	12.25	105	376164	20.108	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	83524	20.299	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	101726	28.118	ug/l	56
73) Bromobenzene	12.53	156	80926	19.523	ug/l	97
74) n-propylbenzene	12.59	91	426167	19.563	ug/l	98
75) 2-Chlorotoluene	12.67	91	248098	19.754	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	299493	19.965	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	19925	17.601	ug/l	99
78) 4-Chlorotoluene	12.77	91	252956	20.000	ug/l	99
79) tert-butylbenzene	12.99	119	262049	20.054	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	302837	20.265	ug/l	99
81) sec-Butylbenzene	13.17	105	352054	19.577	ug/l	97
82) p-Isopropyltoluene	13.29	119	295048	19.415	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	142151	19.387	ug/l	96
84) 1,4-Dichlorobenzene	13.36	146	137297	18.916	ug/l	97
85) n-Butylbenzene	13.62	91	260943	19.839	ug/l	99
86) Hexachloroethane	13.87	117	45576	17.772	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	136225	19.555	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.26	75	11341	20.156	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	52875	18.698	ug/l	95
90) Hexachlorobutadiene	15.01	225	30319	19.597	ug/l	96
91) Naphthalene	15.13	128	132252	20.291	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	48910	19.845	ug/l	99

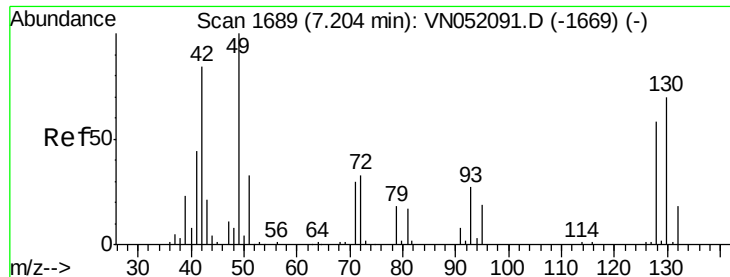
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
Data File : VN052097.D
Acq On : 1 Nov 2018 12:27
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Quant Time: Nov 02 05:43:38 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)
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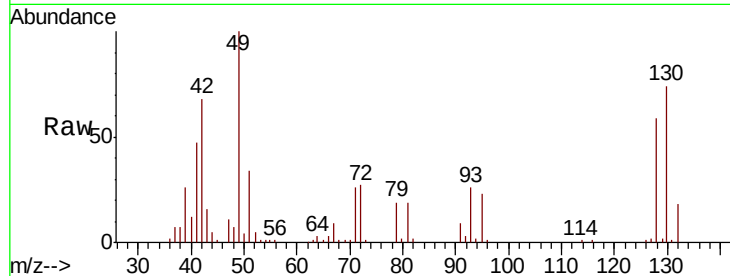
(#) = qualifier out of range (m) = manual integration (+) = signals summed



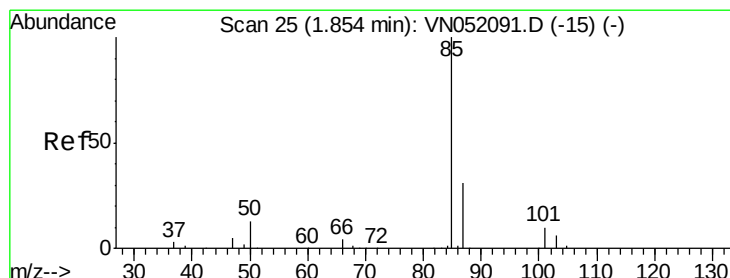
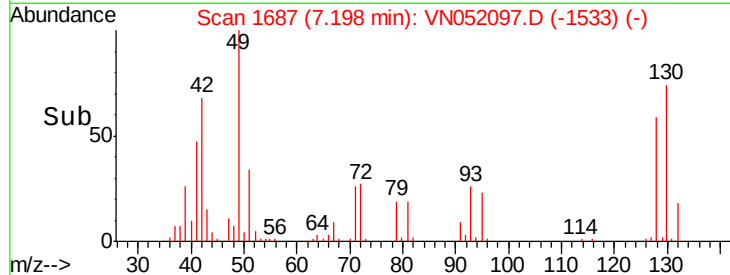
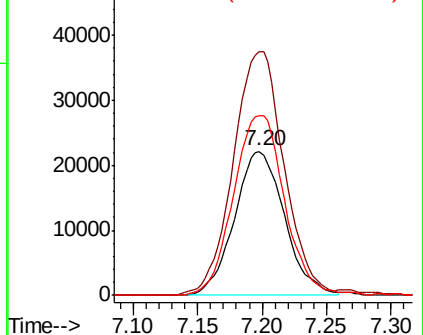
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampled :
VN1101WBS01

Tgt Ion:128 Resp: 59599
Ion Ratio Lower Upper
128 100
49 172.3 0.0 453.7
130 127.8 0.0 308.8

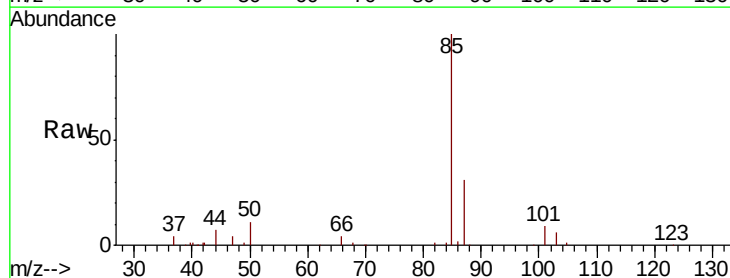


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

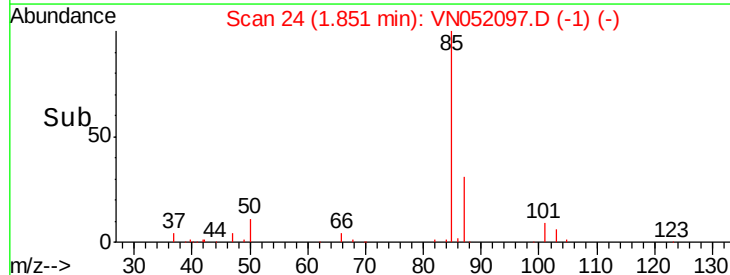
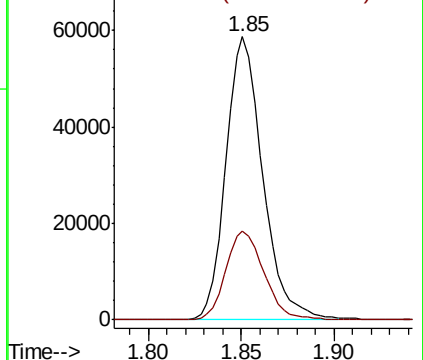


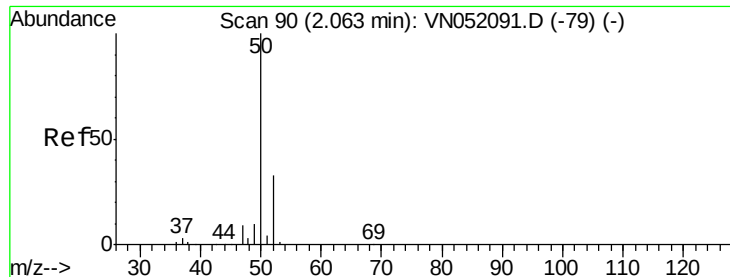
#2
Dichlorodifluoromethane
Concen: 20.371 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion: 85 Resp: 81087
Ion Ratio Lower Upper
85 100
87 31.4 15.7 47.1



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





#3

Chloromethane

Concen: 20.632 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

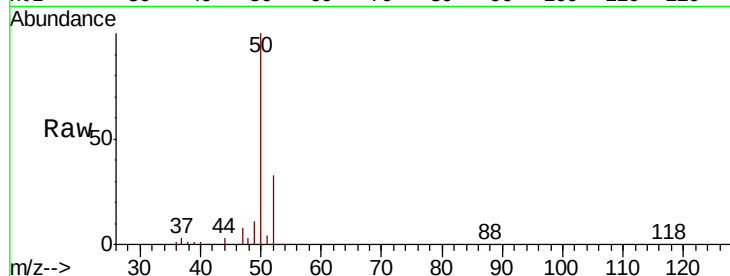
VN1101WBS01

Tgt Ion: 50 Resp: 93861

Ion Ratio Lower Upper

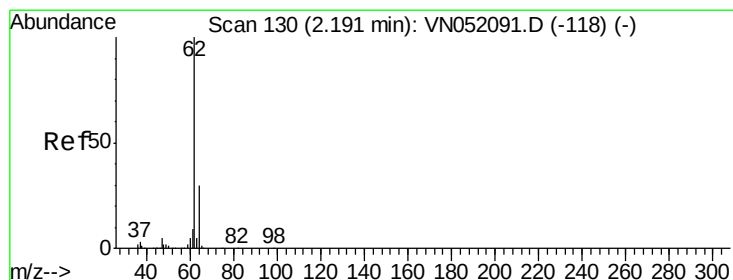
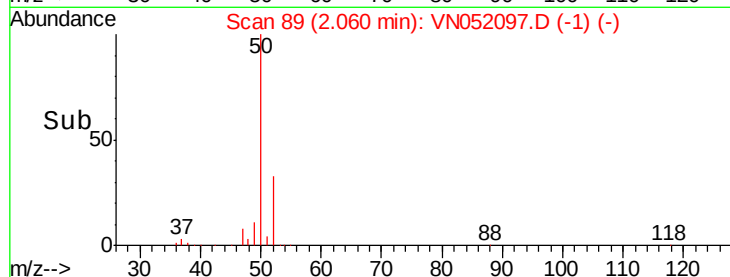
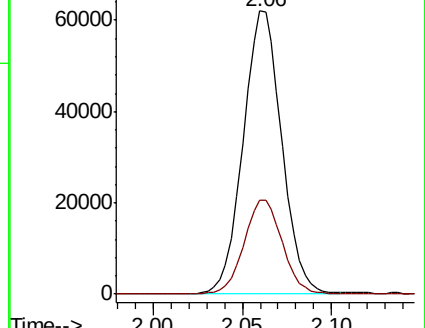
50 100

52 33.1 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN052097.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VN052097.D (-1) (-)



#4

Vinyl Chloride

Concen: 20.491 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052097.D

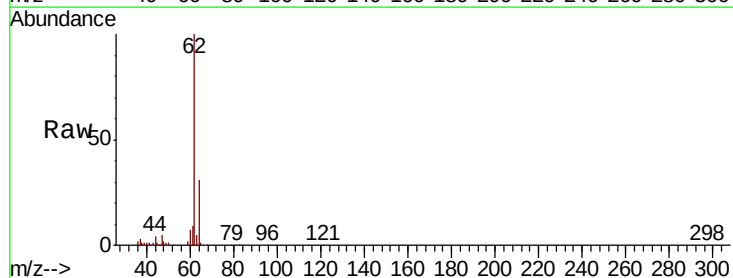
Acq: 1 Nov 2018 12:27

Tgt Ion: 62 Resp: 91449

Ion Ratio Lower Upper

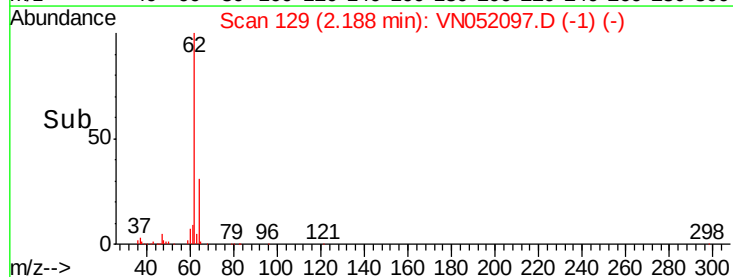
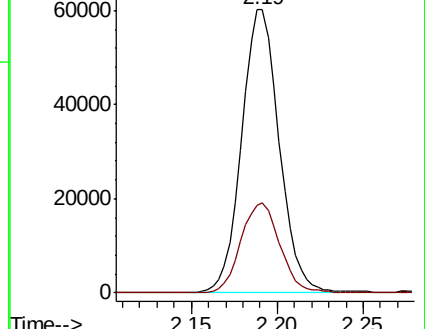
62 100

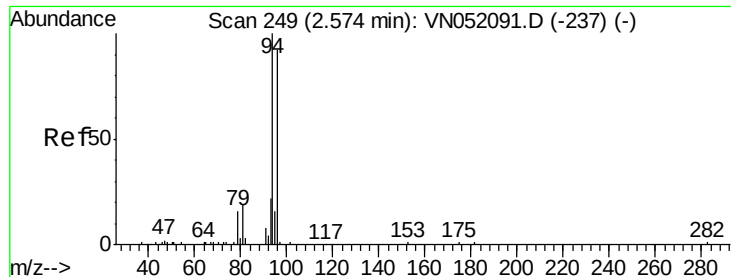
64 30.9 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN052097.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VN052097.D (-1) (-)





#5

Bromomethane

Concen: 21.128 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

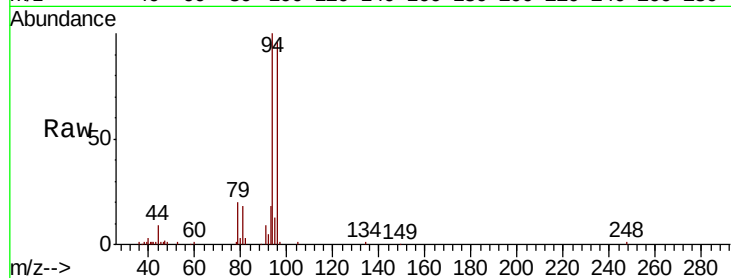
VN1101WBS01

Tgt Ion: 94 Resp: 64359

Ion Ratio Lower Upper

94 100

96 95.6 73.4 110.0

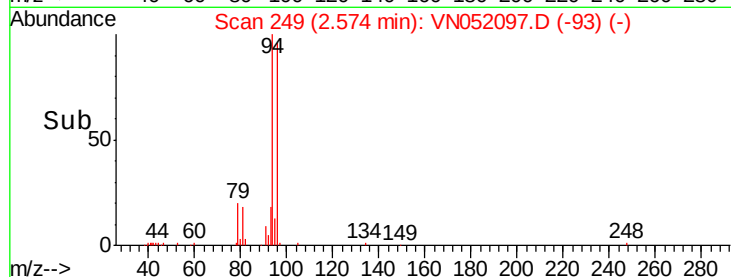


Abundance Ion 94.00 (93.70 to 94.70): VN052097.D (-237) (-)

Ion 96.00 (95.70 to 96.70): VN052097.D (-237) (-)

2.57

Time-->



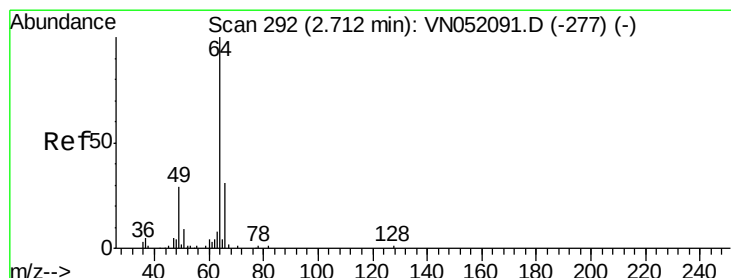
Abundance

Ion 94.00 (93.70 to 94.70): VN052097.D (-93) (-)

Ion 96.00 (95.70 to 96.70): VN052097.D (-93) (-)

2.57

Time-->



#6

Chloroethane

Concen: 20.266 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052097.D

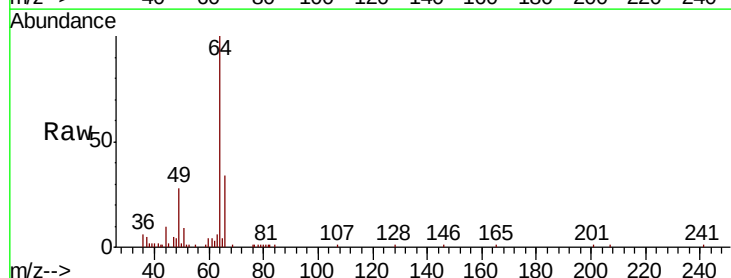
Acq: 1 Nov 2018 12:27

Tgt Ion: 64 Resp: 57831

Ion Ratio Lower Upper

64 100

66 33.8 24.7 37.1

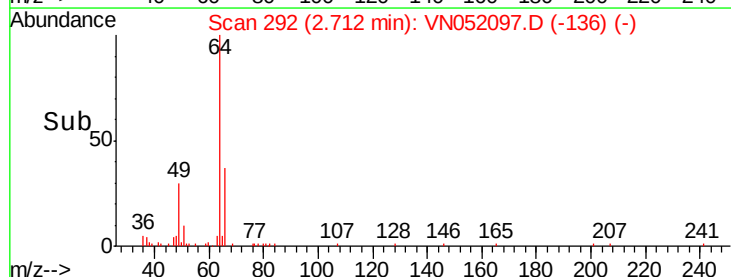


Abundance Ion 64.00 (63.70 to 64.70): VN052097.D (-277) (-)

Ion 66.00 (65.70 to 66.70): VN052097.D (-277) (-)

2.71

Time-->



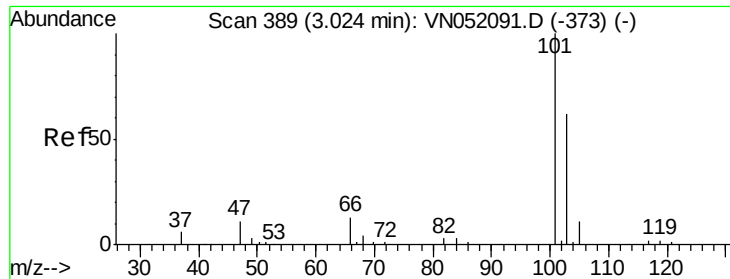
Abundance

Ion 64.00 (63.70 to 64.70): VN052097.D (-136) (-)

Ion 66.00 (65.70 to 66.70): VN052097.D (-136) (-)

2.71

Time-->

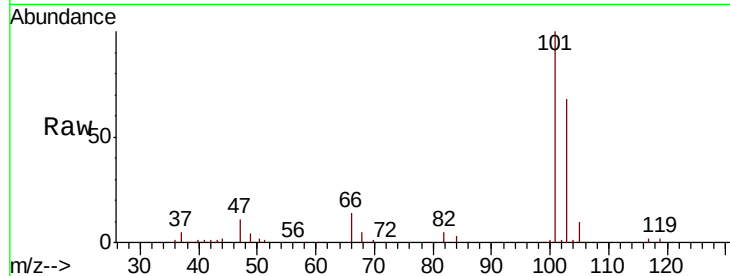


#7

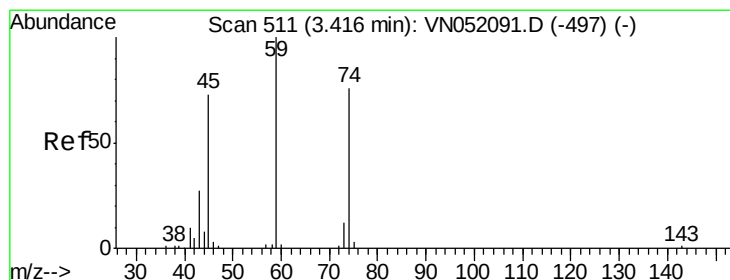
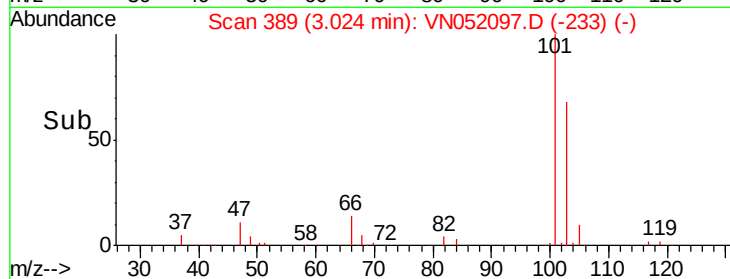
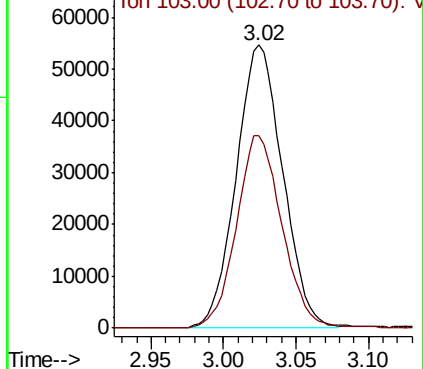
Trichlorofluoromethane
 Concen: 20.192 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion:101 Resp: 122027
 Ion Ratio Lower Upper
 101 100
 103 67.6 49.5 74.3



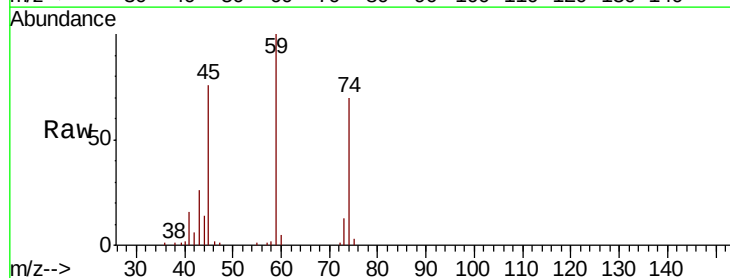
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



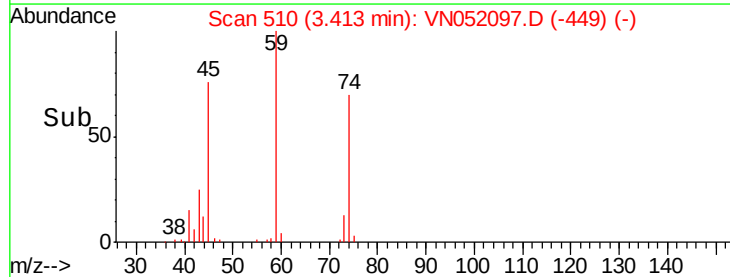
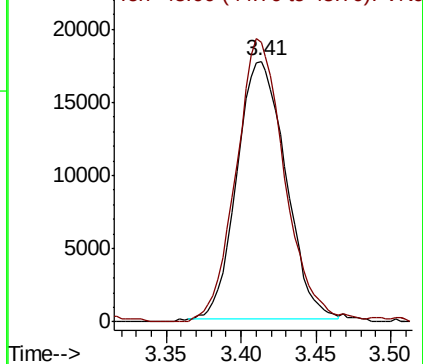
#8

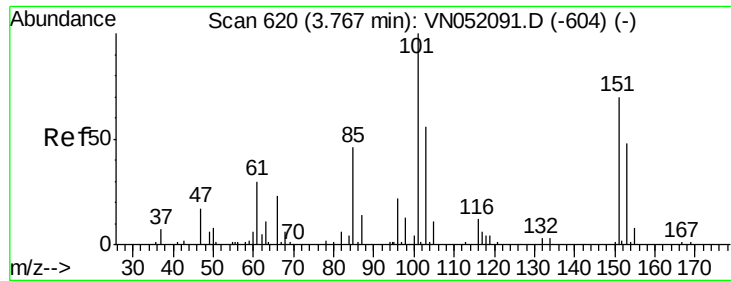
Diethyl Ether
 Concen: 19.639 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion: 74 Resp: 40075
 Ion Ratio Lower Upper
 74 100
 45 108.6 19.4 174.4



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.126 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

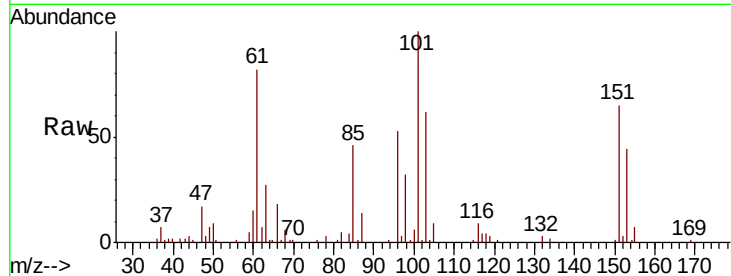
Tgt Ion:101 Resp: 74620

Ion Ratio Lower Upper

101 100

85 46.7 0.0 98.0

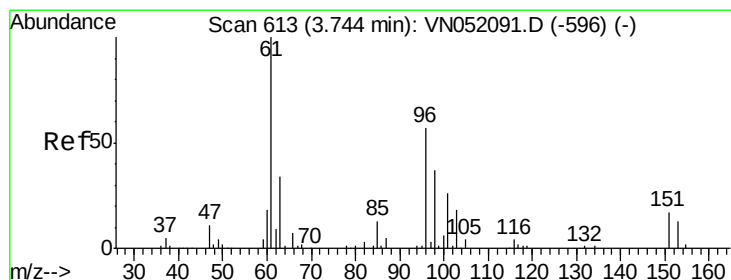
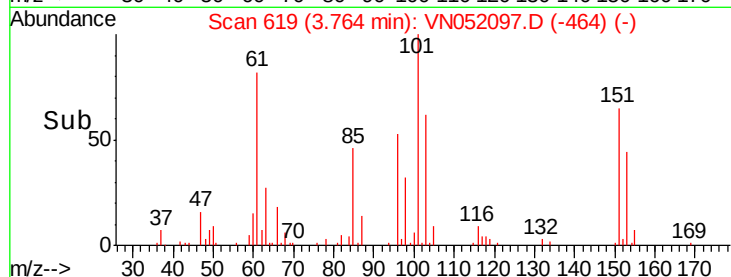
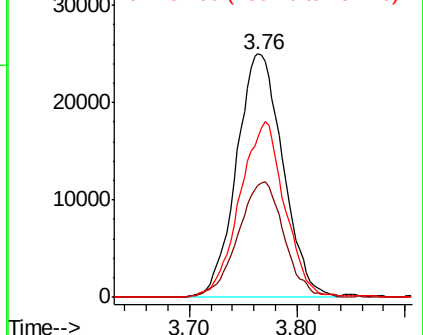
151 69.9 0.0 139.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.453 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

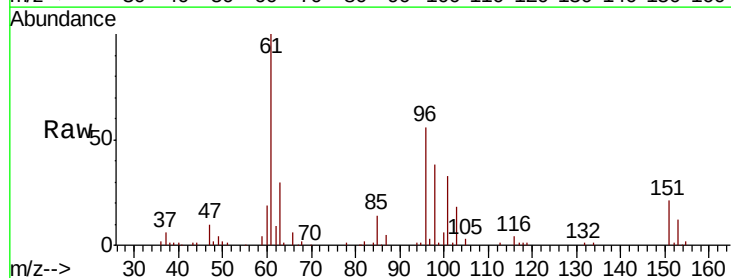
Tgt Ion: 96 Resp: 67412

Ion Ratio Lower Upper

96 100

61 177.2 140.3 210.5

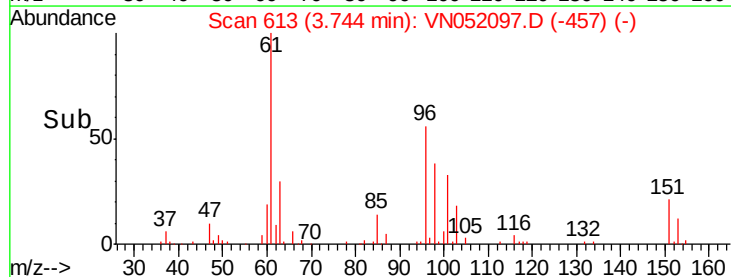
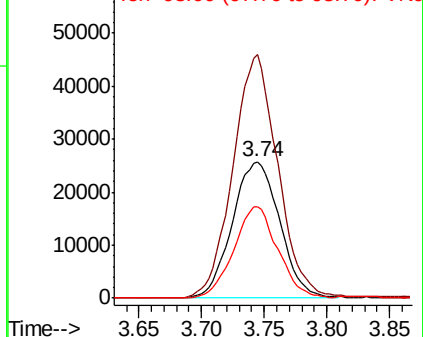
98 67.2 52.0 78.0

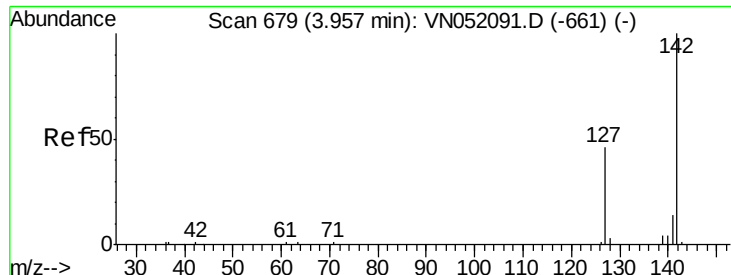


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

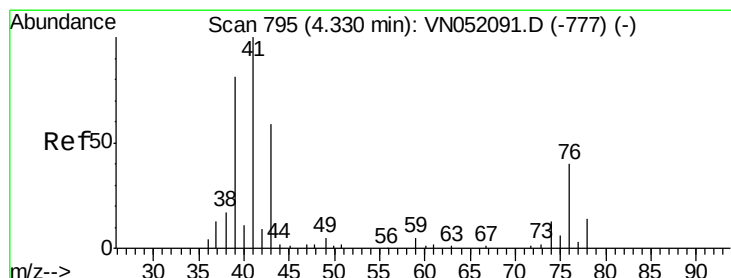
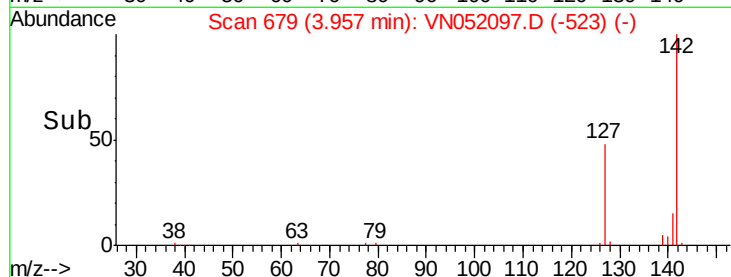
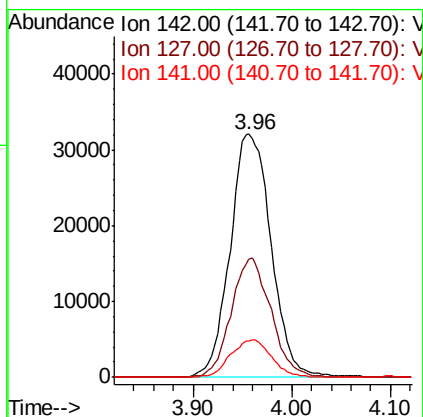
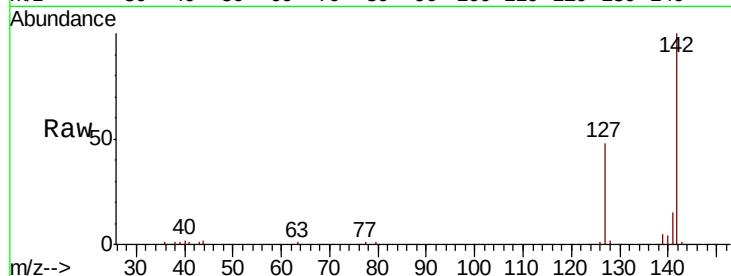




#11
Methyl Iodide
Concen: 19.450 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

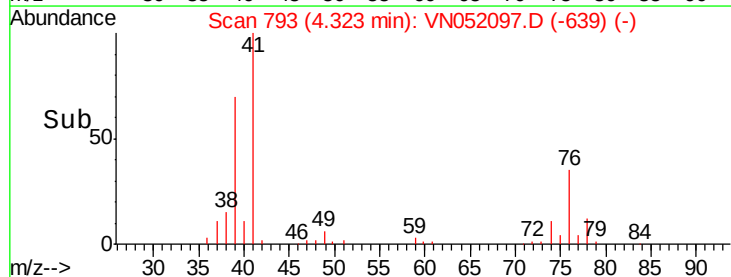
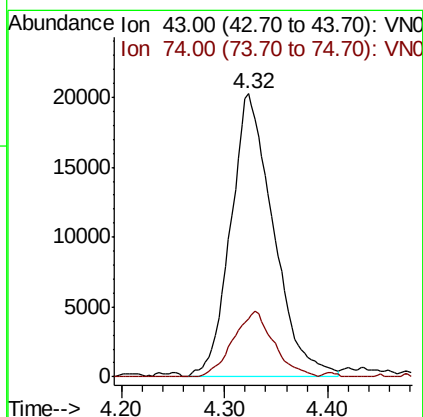
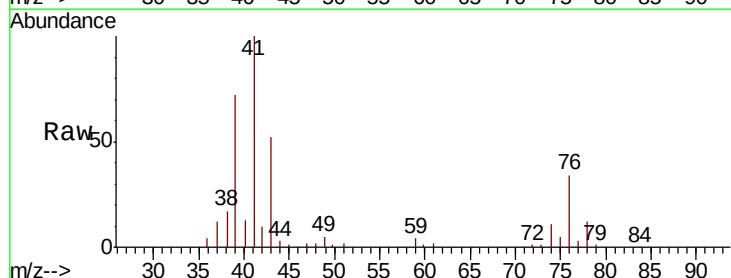
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

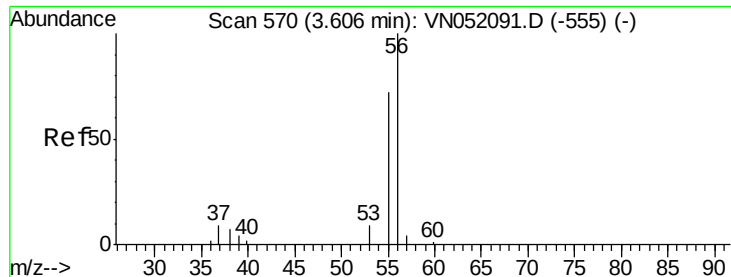
Tgt Ion:142 Resp: 92686
Ion Ratio Lower Upper
142 100
127 48.6 23.1 69.2
141 15.2 7.0 20.9



#12
Methyl Acetate
Concen: 21.069 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion: 43 Resp: 58449
Ion Ratio Lower Upper
43 100
74 20.3 17.4 26.2





#13

Acrolein

Concen: 96.153 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

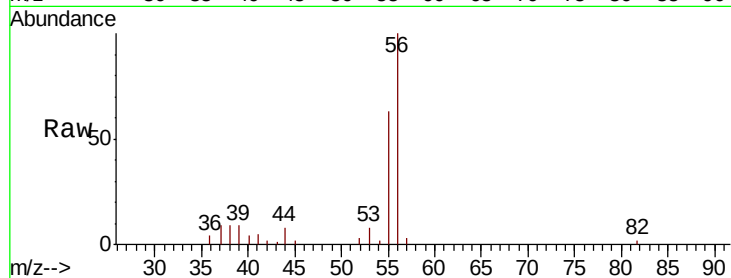
VN1101WBS01

Tgt Ion: 56 Resp: 28293

Ion Ratio Lower Upper

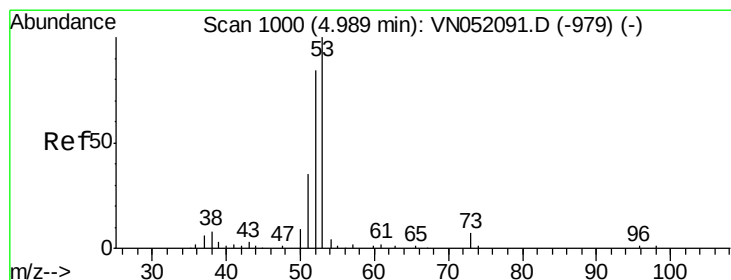
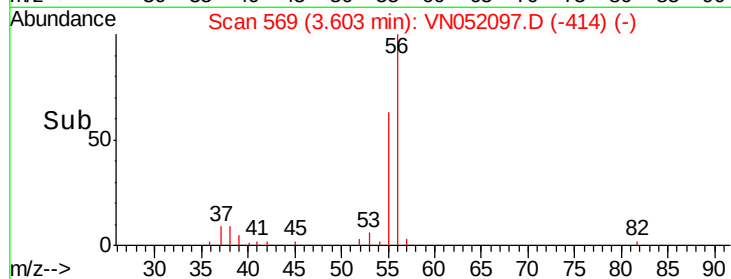
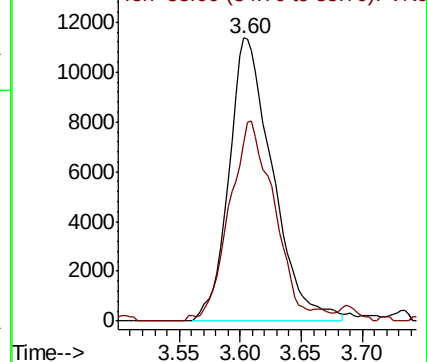
56 100

55 71.8 56.2 84.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 100.095 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

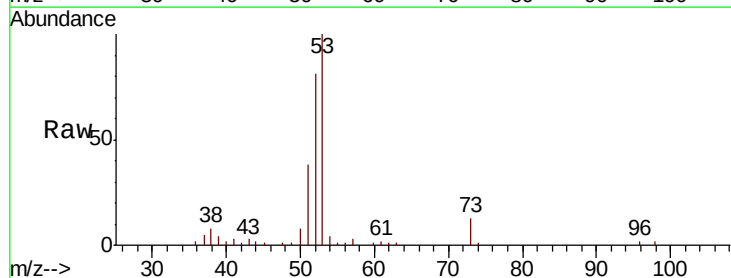
Tgt Ion: 53 Resp: 123141

Ion Ratio Lower Upper

53 100

52 84.4 41.3 124.1

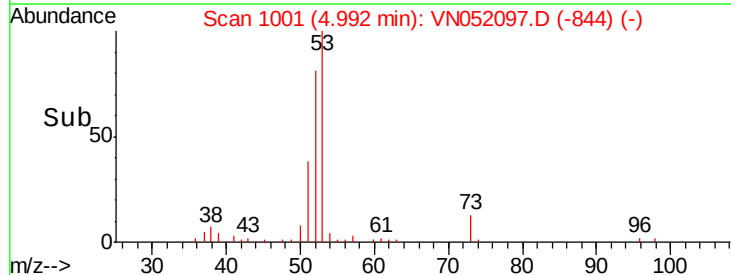
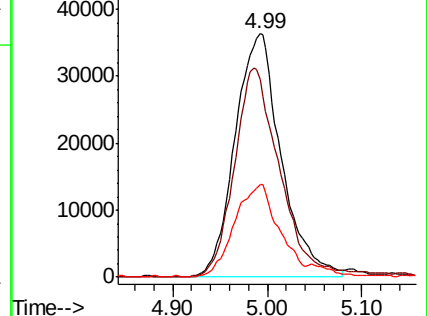
51 36.5 18.6 55.6

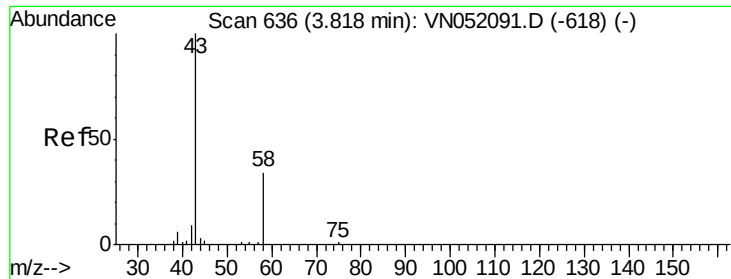


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 103.601 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

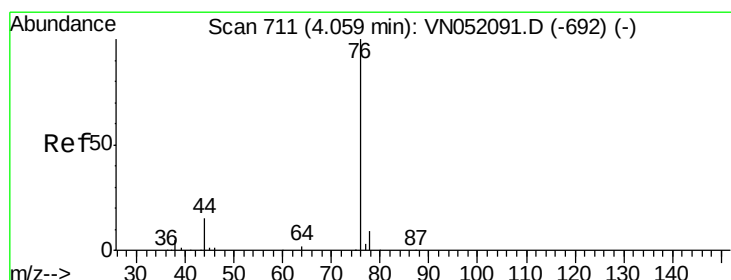
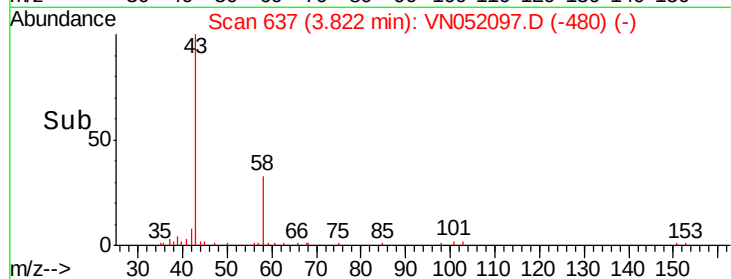
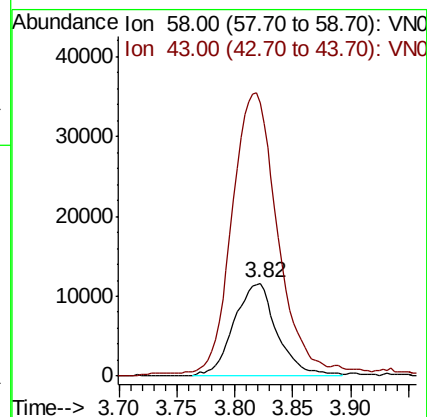
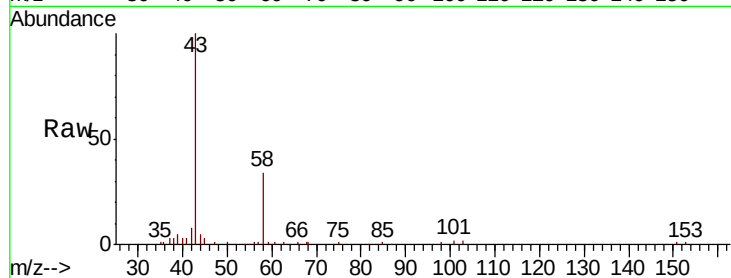
VN1101WBS01

Tgt Ion: 58 Resp: 30123

Ion Ratio Lower Upper

58 100

43 289.0 234.7 352.1



#16

Carbon Disulfide

Concen: 19.645 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052097.D

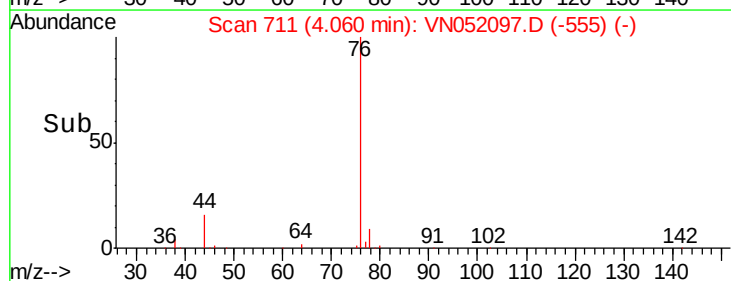
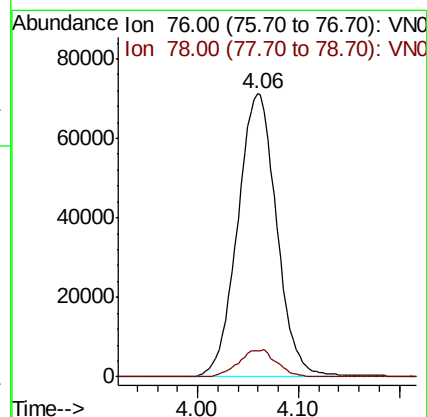
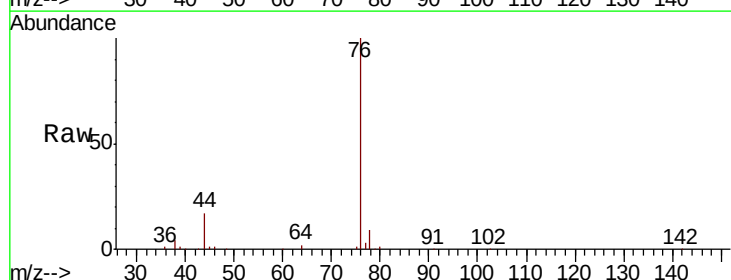
Acq: 1 Nov 2018 12:27

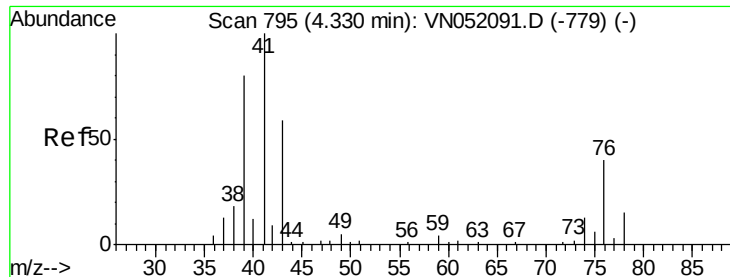
Tgt Ion: 76 Resp: 191174

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6





#17

Allyl chloride

Concen: 19.510 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

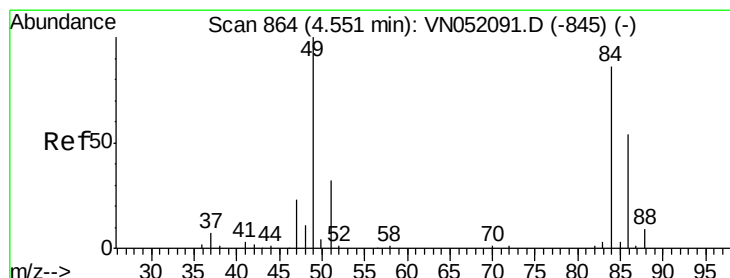
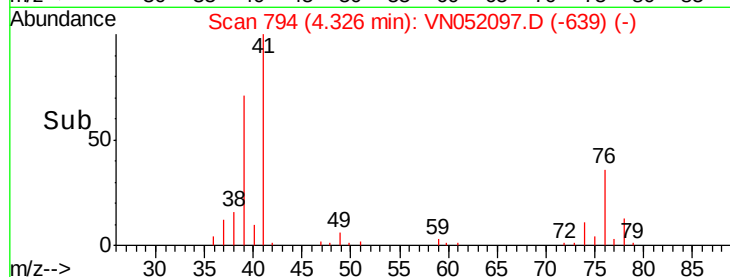
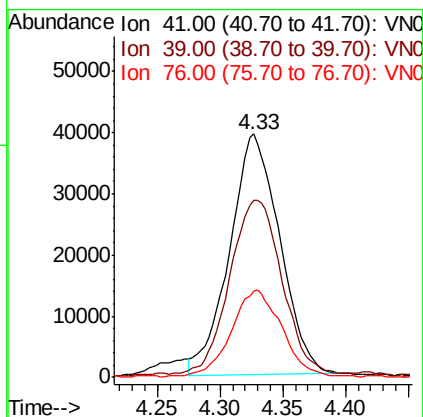
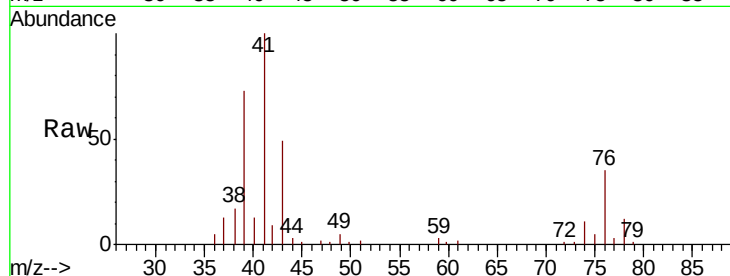
Tgt Ion: 41 Resp: 109177

Ion Ratio Lower Upper

41 100

39 72.3 38.4 115.1

76 35.3 18.8 56.3



#18

Methylene Chloride

Concen: 19.209 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Tgt Ion: 84 Resp: 78143

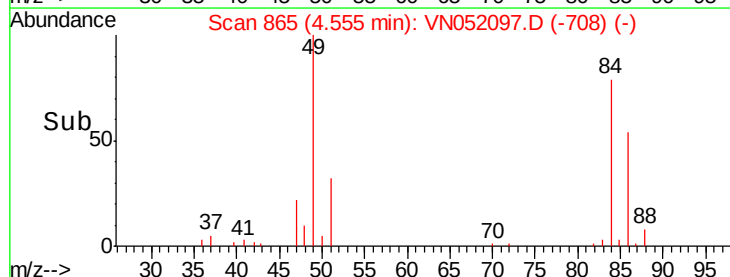
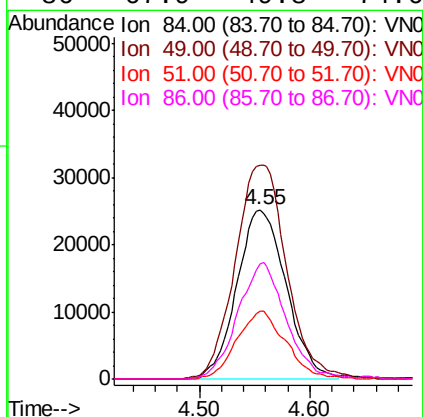
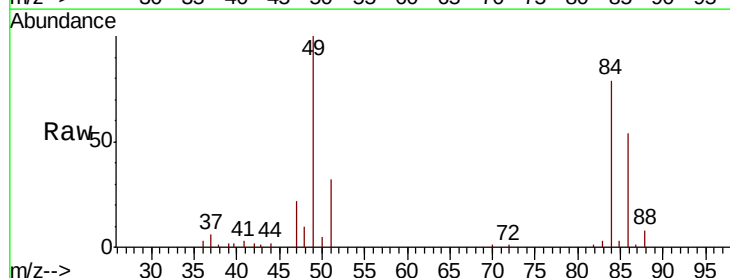
Ion Ratio Lower Upper

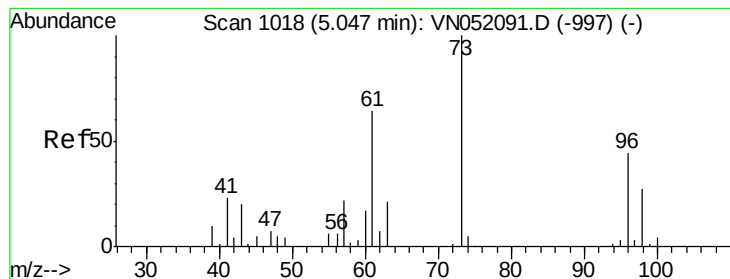
84 100

49 125.0 92.6 138.8

51 40.2 29.7 44.5

86 67.9 49.8 74.6





#19

trans-1,2-Dichloroethene

Concen: 20.575 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

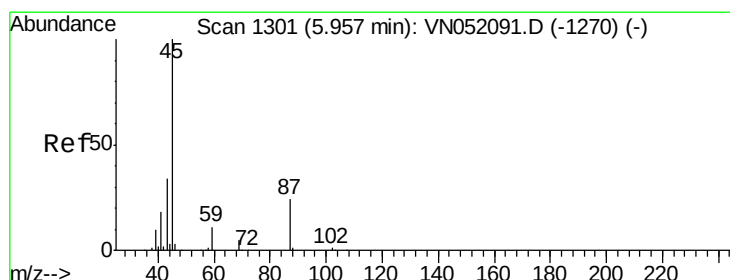
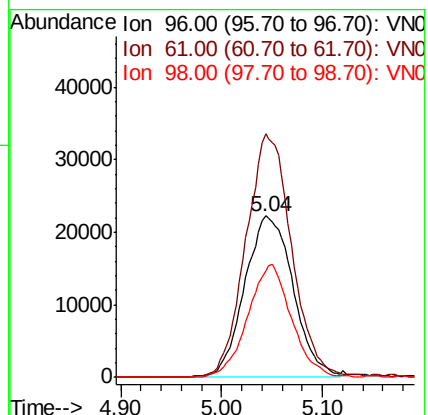
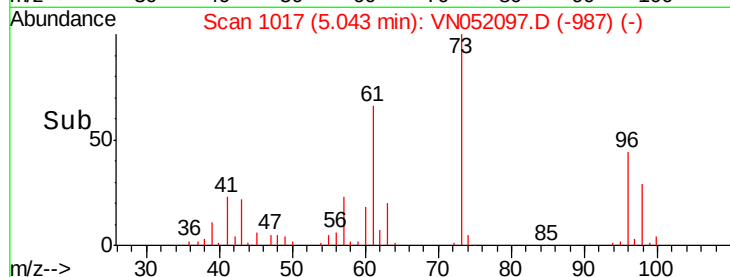
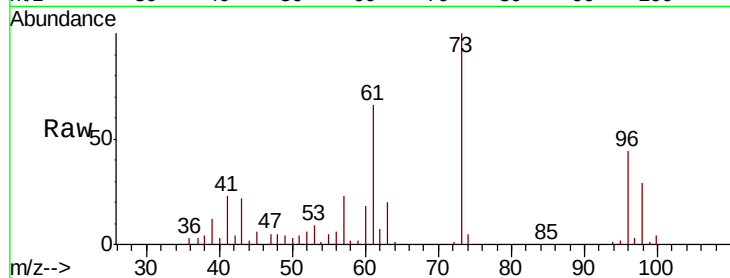
Tgt Ion: 96 Resp: 74300

Ion Ratio Lower Upper

96 100

61 150.6 117.8 176.6

98 66.0 49.3 73.9



#20

Diisopropyl ether

Concen: 20.224 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.01 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Tgt Ion: 45 Resp: 245925

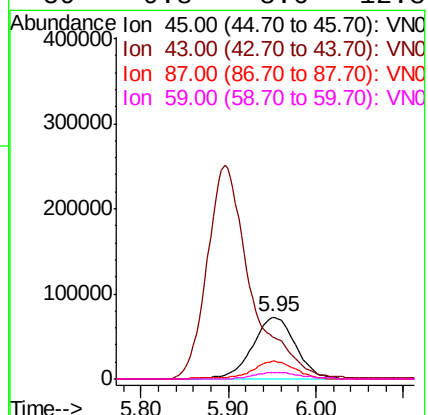
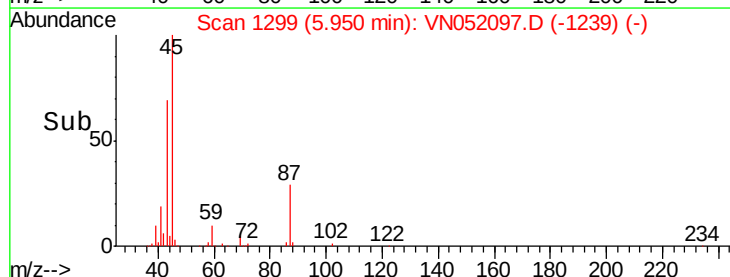
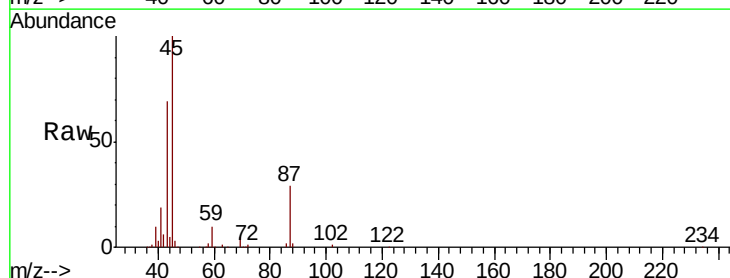
Ion Ratio Lower Upper

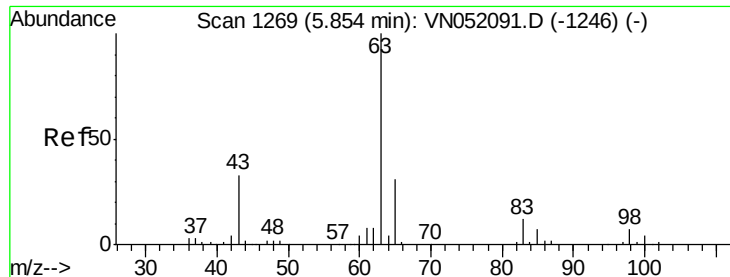
45 100

43 66.0 49.4 74.0

87 28.3 20.3 30.5

59 9.8 8.6 12.8





#21

1,1-Dichloroethane

Concen: 20.187 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

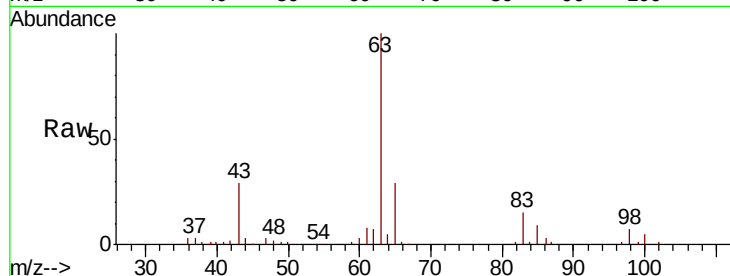
Tgt Ion: 63 Resp: 143460

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

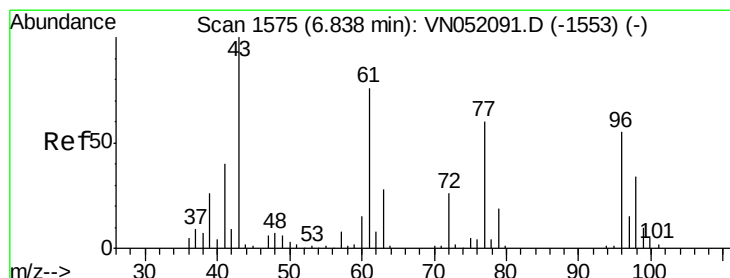
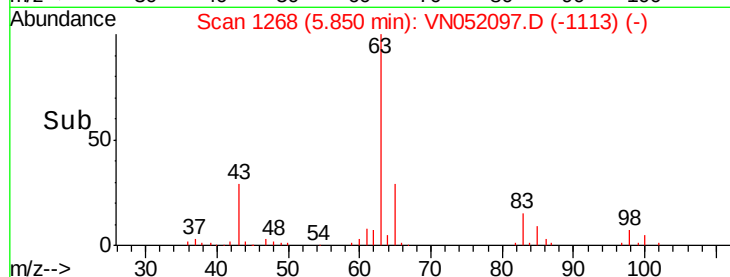
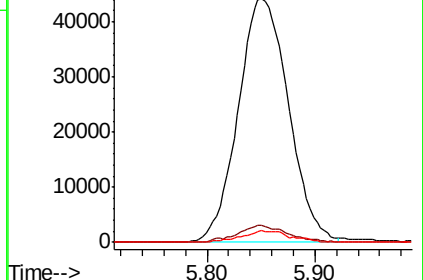
100 4.8 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN052097.D (-1246) (-)

Ion 98.00 (97.70 to 98.70): VN052097.D (-1246) (-)

Ion 100.00 (99.70 to 100.70): VN052097.D (-1246) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.119 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

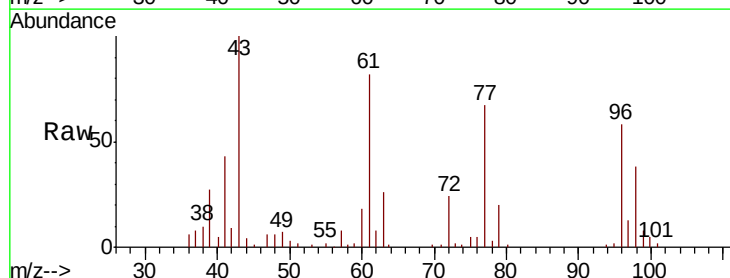
Tgt Ion: 96 Resp: 84838

Ion Ratio Lower Upper

96 100

61 147.6 117.6 176.4

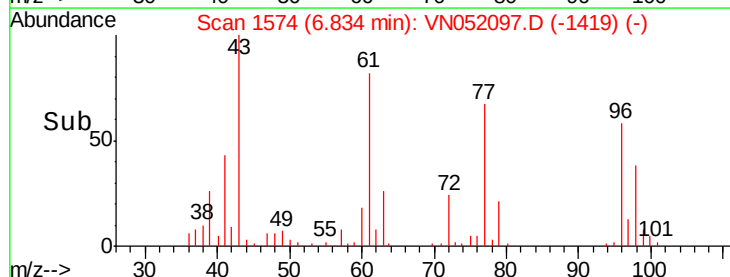
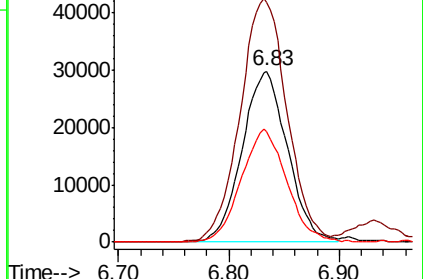
98 66.4 51.0 76.4

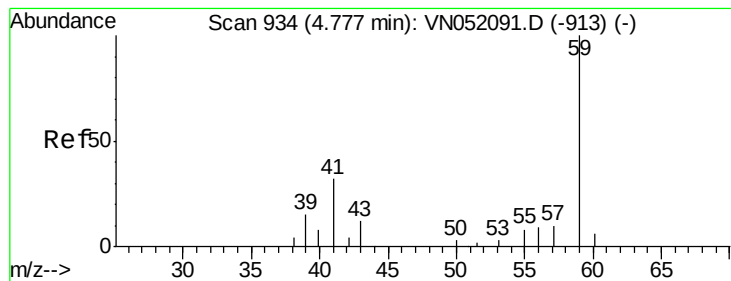


Abundance Ion 96.00 (95.70 to 96.70): VN052097.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN052097.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN052097.D (-1553) (-)



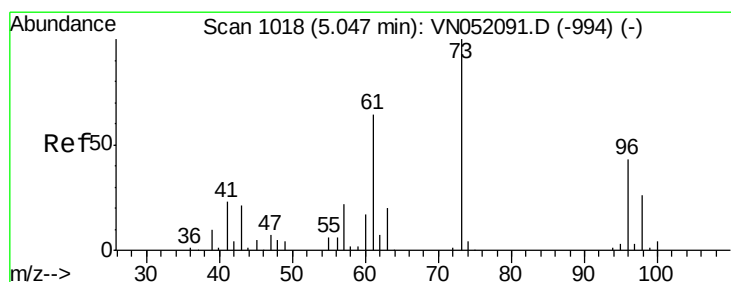
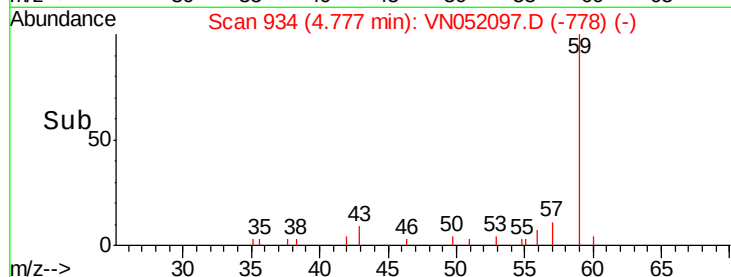
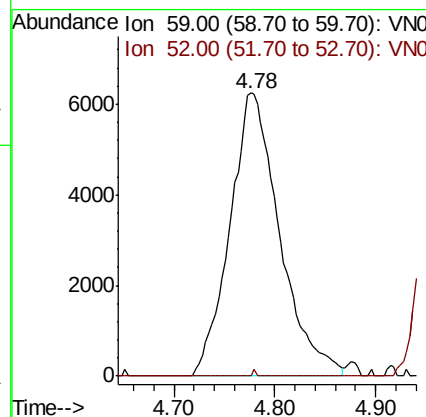
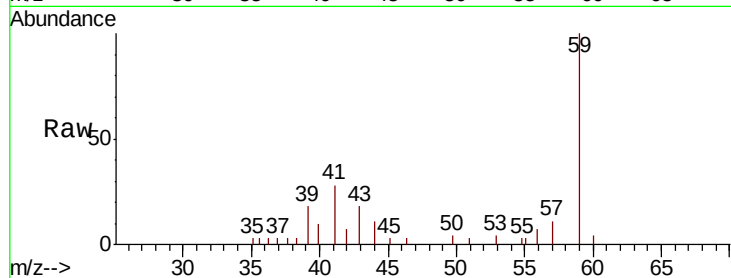


#23

tert-Butyl Alcohol
 Concen: 111.838 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

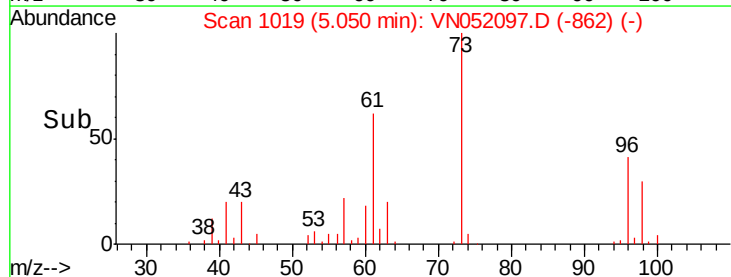
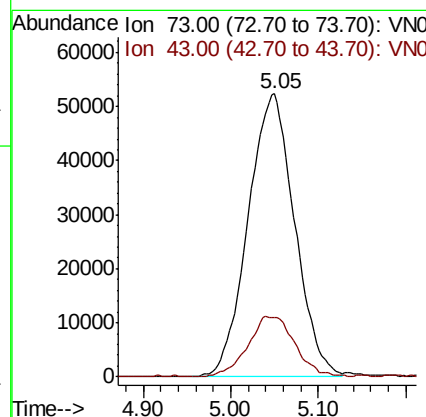
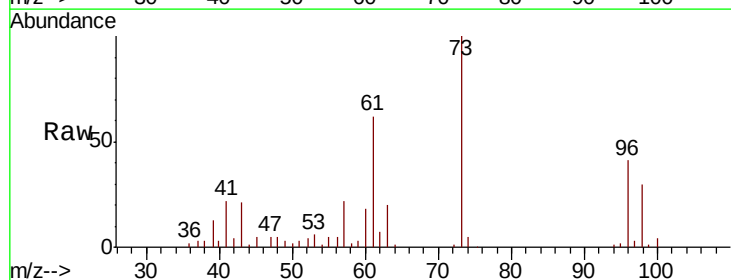
Tgt Ion: 59 Resp: 21437
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.3 0.5#

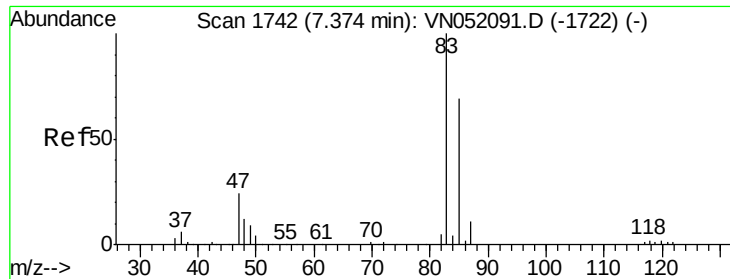


#24

Methyl tert-Butyl Ether
 Concen: 20.662 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion: 73 Resp: 193060
 Ion Ratio Lower Upper
 73 100
 43 11.3 17.4 26.2#

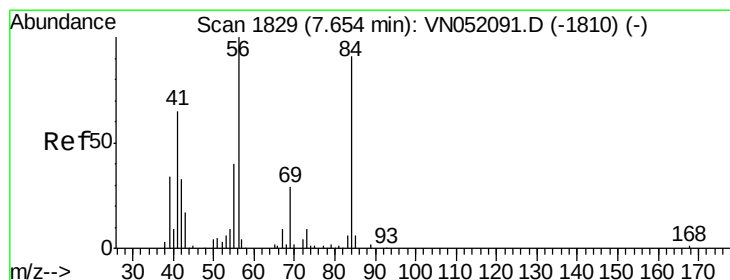
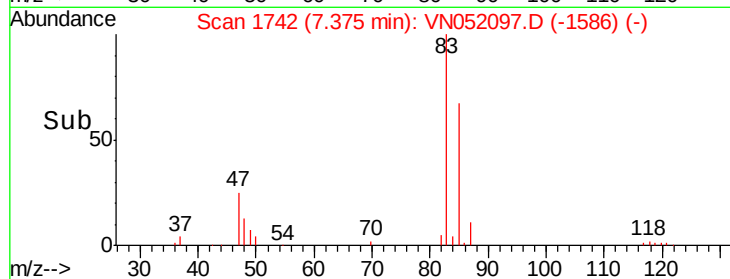
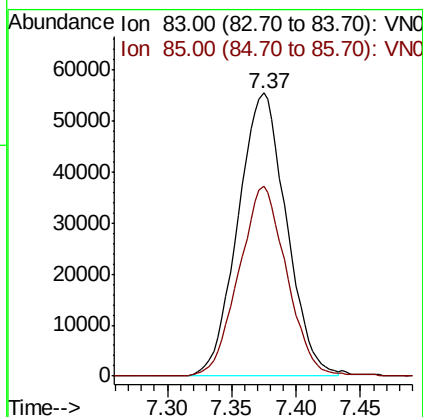
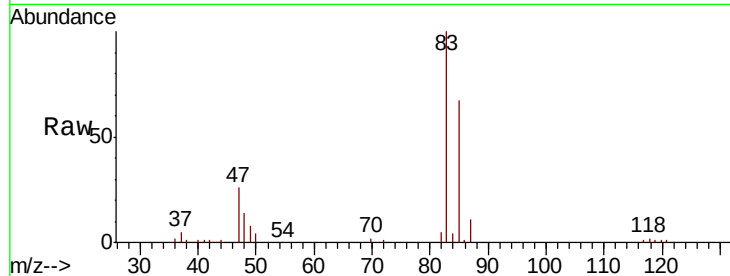




#25
Chloroform
Concen: 20.349 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

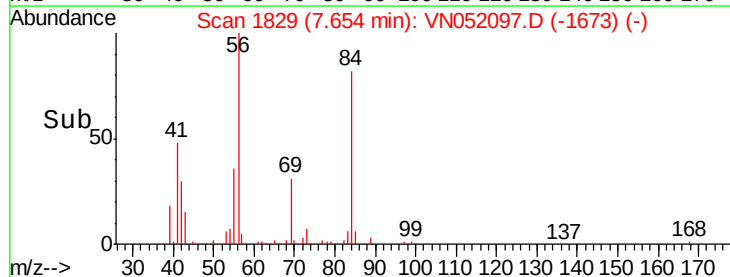
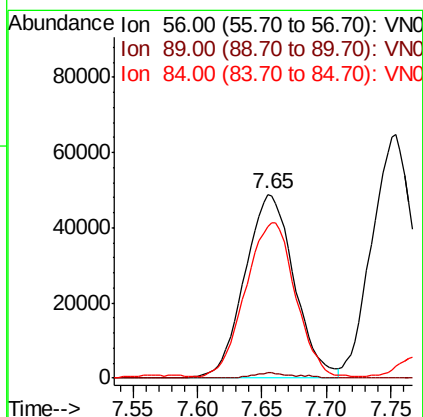
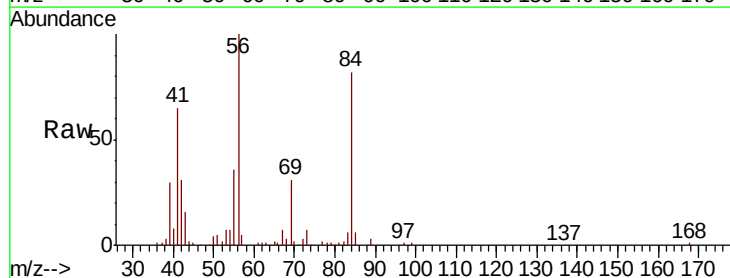
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

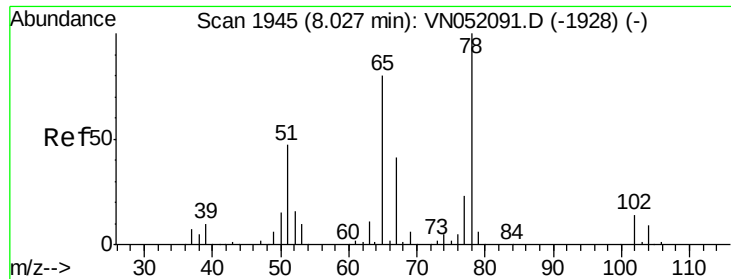
Tgt Ion: 83 Resp: 145200
Ion Ratio Lower Upper
83 100
85 66.6 54.9 82.3



#26
Cyclohexane
Concen: 20.460 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion: 56 Resp: 130338
Ion Ratio Lower Upper
56 100
89 1.9 2.2 3.2#
84 86.1 71.0 106.6

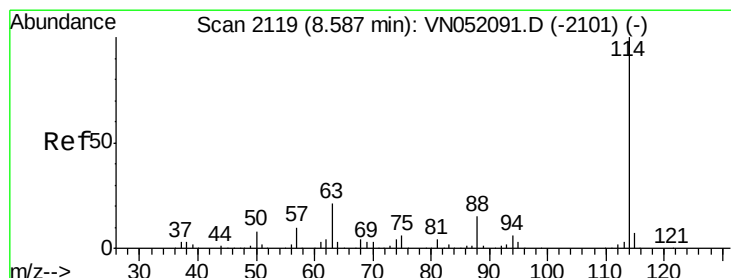
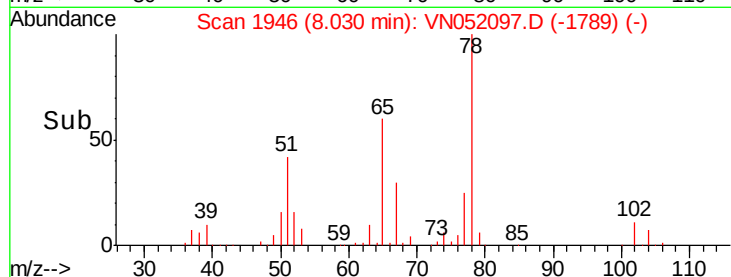
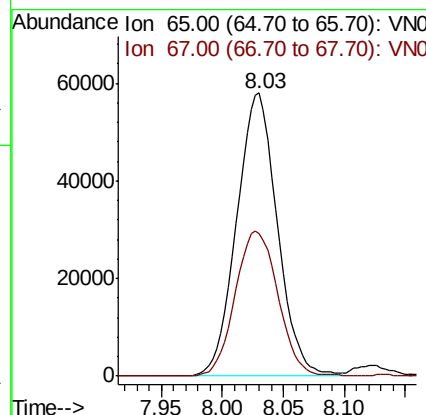
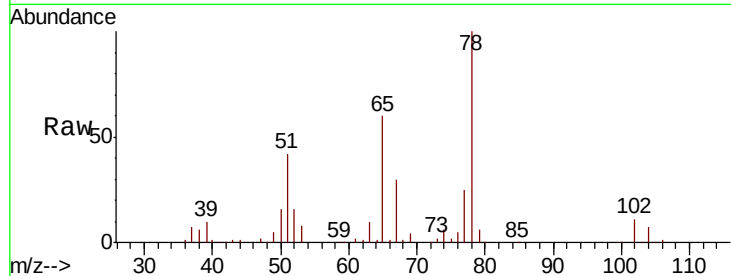




#27
 1,2-Dichloroethane-d4
 Concen: 20.460 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

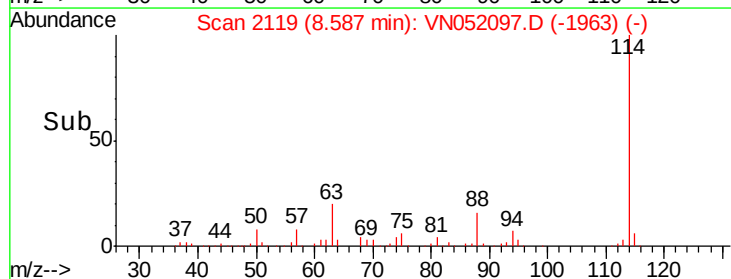
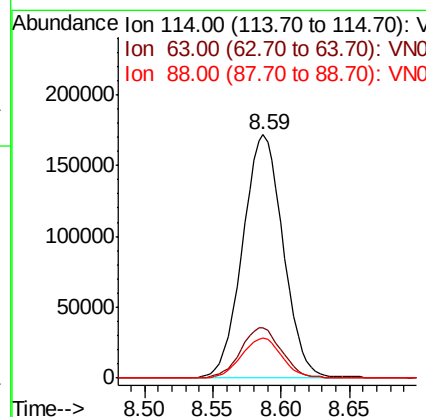
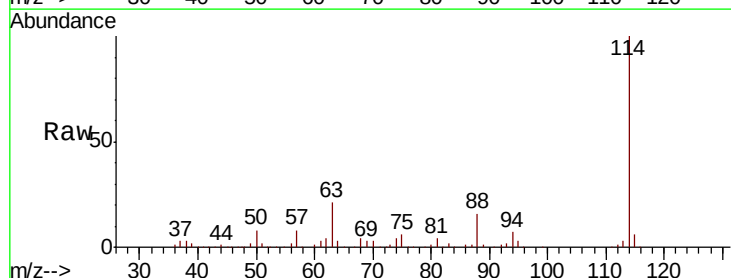
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

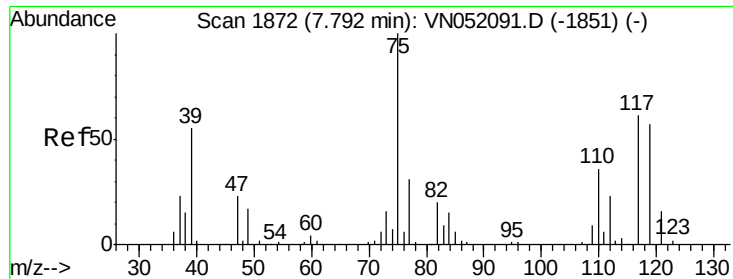
Tgt Ion: 65 Resp: 134147
 Ion Ratio Lower Upper
 65 100
 67 53.7 42.6 64.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion: 114 Resp: 354385
 Ion Ratio Lower Upper
 114 100
 63 20.7 17.5 26.3
 88 16.3 12.6 18.8

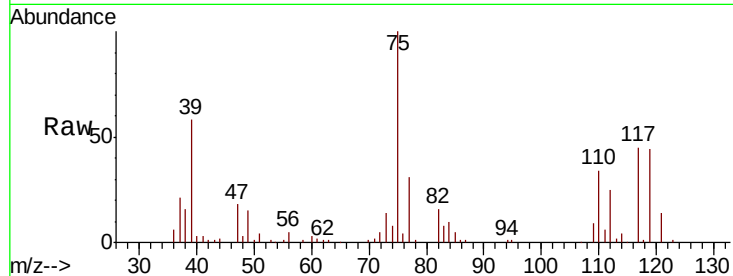




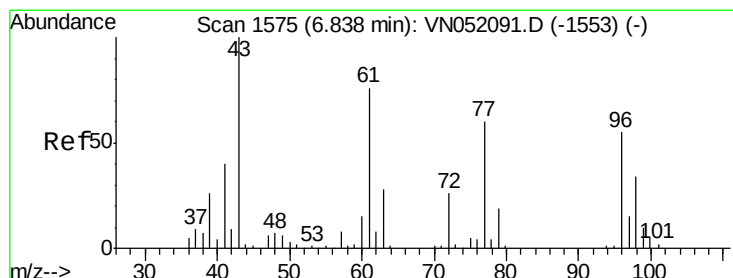
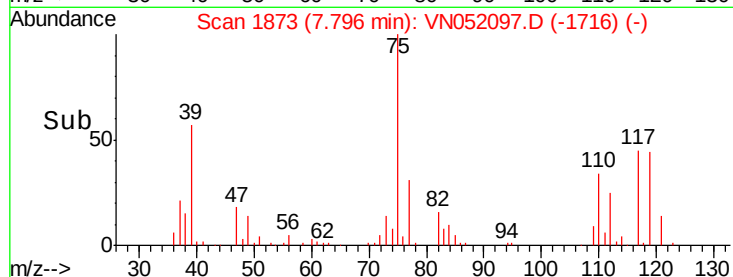
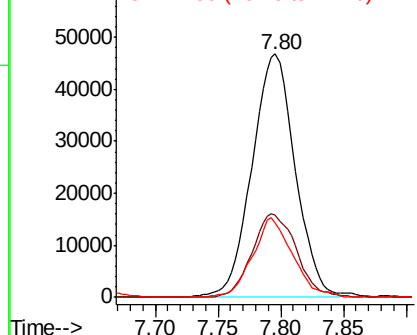
#29
 1,1-Dichloropropene
 Concen: 19.932 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

Tgt Ion: 75 Resp: 112146
 Ion Ratio Lower Upper
 75 100
 110 35.0 0.0 67.6
 77 30.4 0.0 60.2

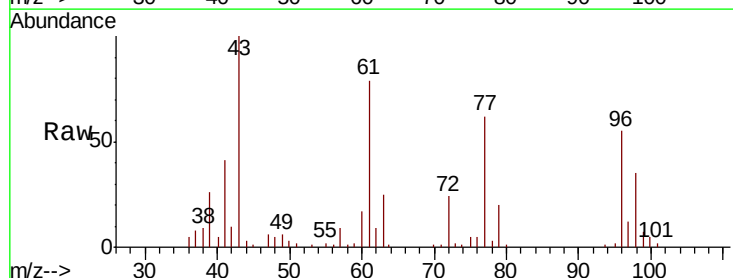


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VN0

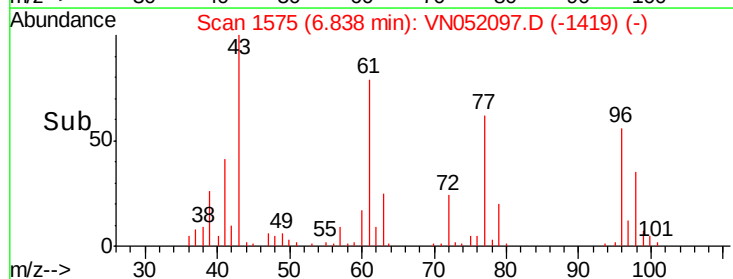
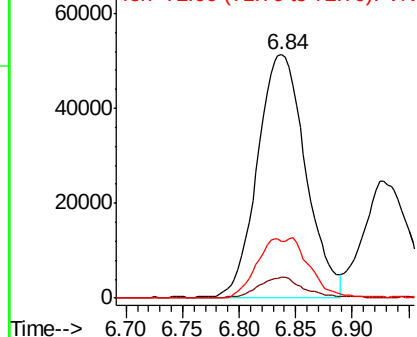


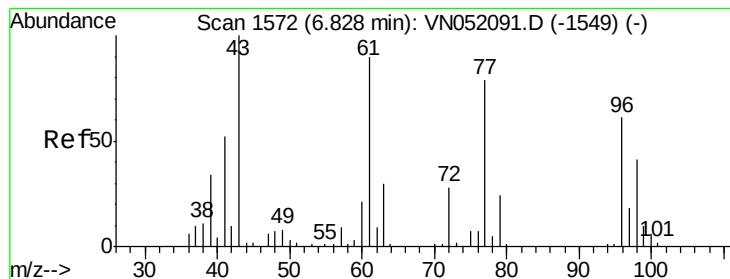
#30
 2-Butanone
 Concen: 101.420 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion: 43 Resp: 151962
 Ion Ratio Lower Upper
 43 100
 57 7.2 6.6 9.8
 72 14.7 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0





#31

2,2-Dichloropropane

Concen: 19.701 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

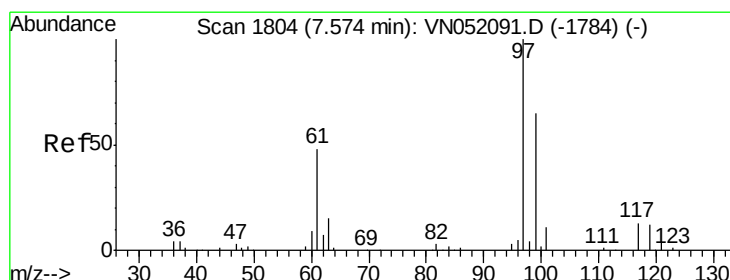
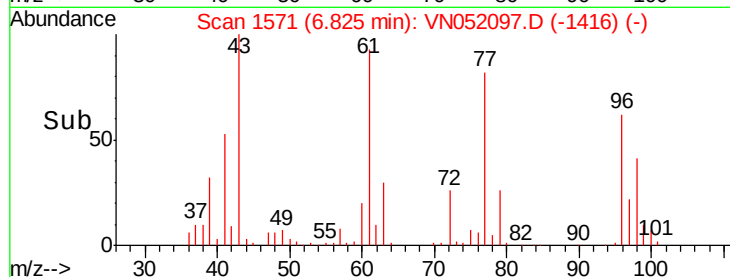
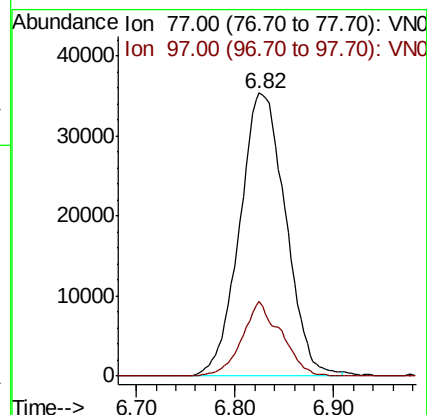
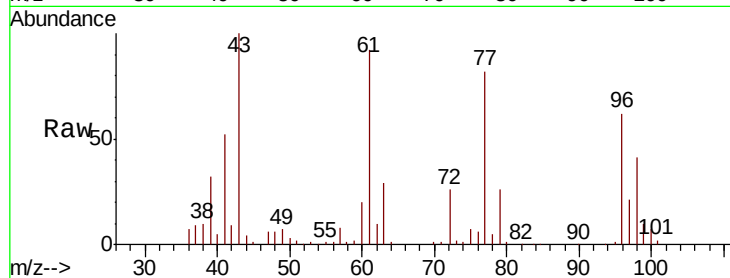
VN1101WBS01

Tgt Ion: 77 Resp: 114182

Ion Ratio Lower Upper

77 100

97 16.8 18.2 27.2#



#32

1,1,1-Trichloroethane

Concen: 19.236 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

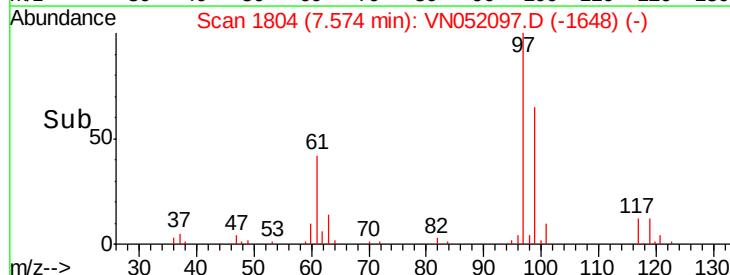
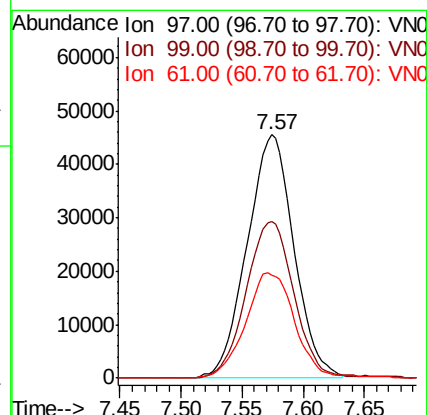
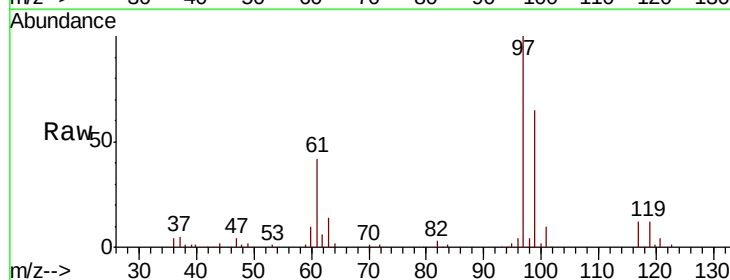
Tgt Ion: 97 Resp: 121097

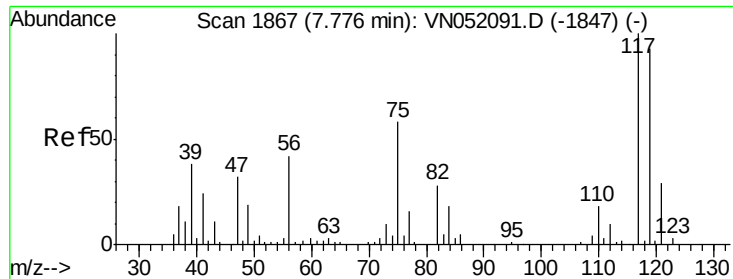
Ion Ratio Lower Upper

97 100

99 65.3 51.7 77.5

61 45.2 38.7 58.1

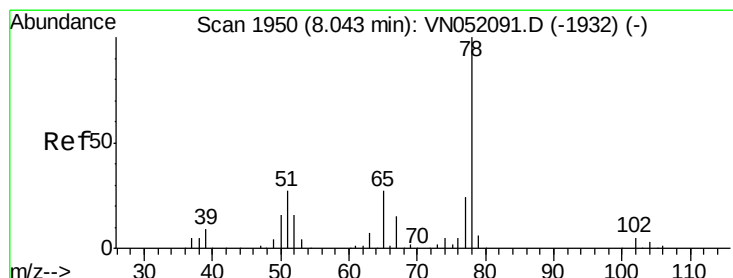
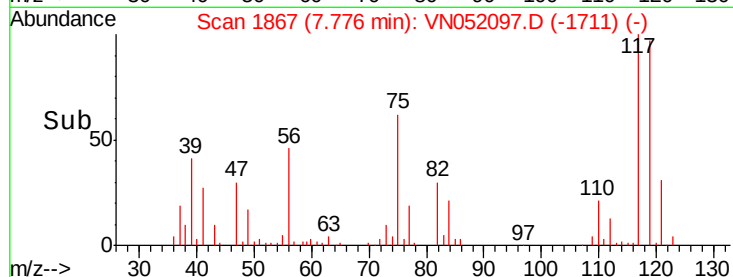
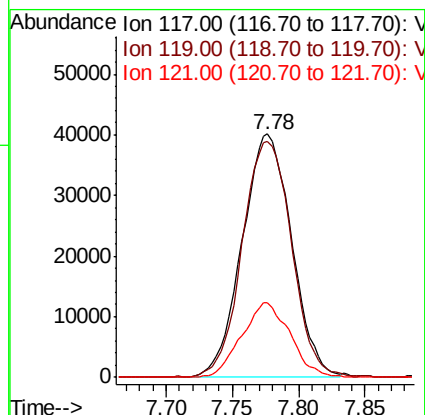
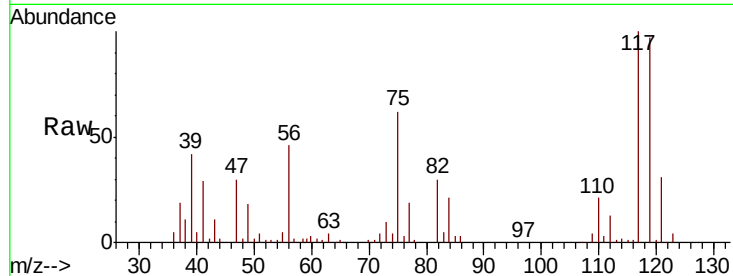




#33
Carbon Tetrachloride
Concen: 18.598 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

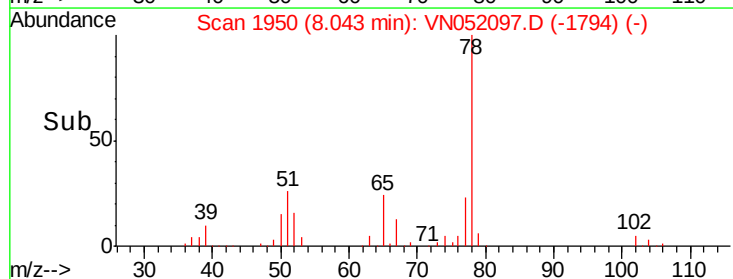
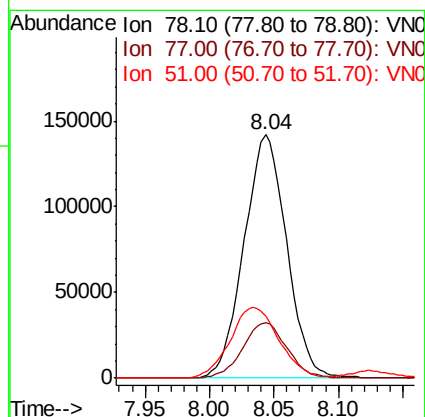
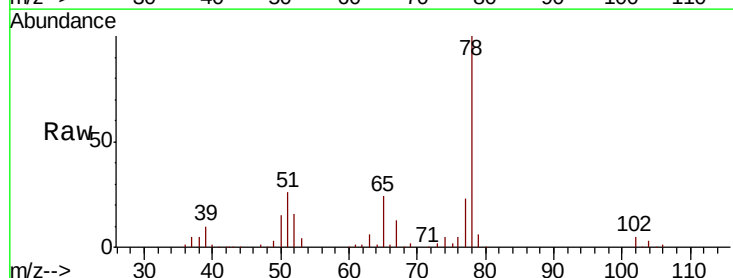
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

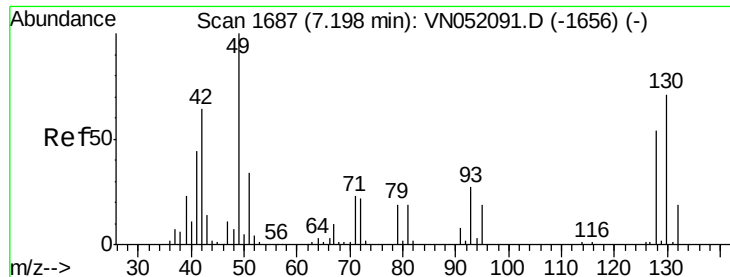
Tgt Ion:117 Resp: 104122
Ion Ratio Lower Upper
117 100
119 96.9 74.7 112.1
121 30.8 23.4 35.0



#34
Benzene
Concen: 19.809 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion: 78 Resp: 326340
Ion Ratio Lower Upper
78 100
77 22.7 19.1 28.7
51 25.1 21.2 31.8

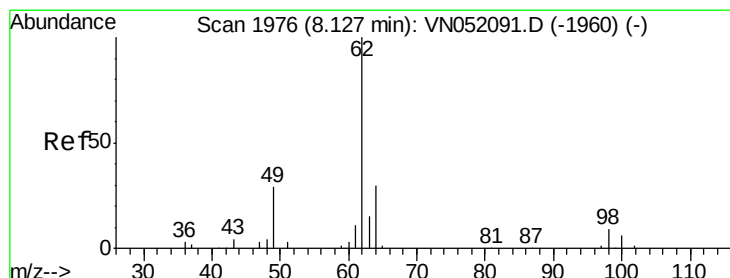
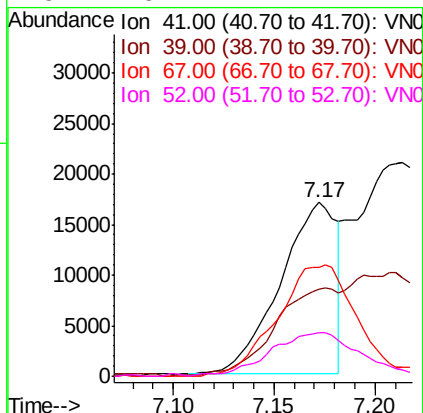
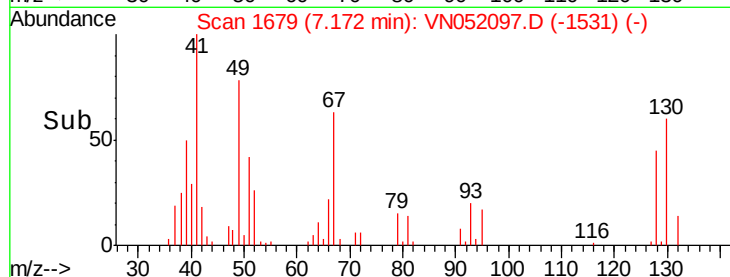
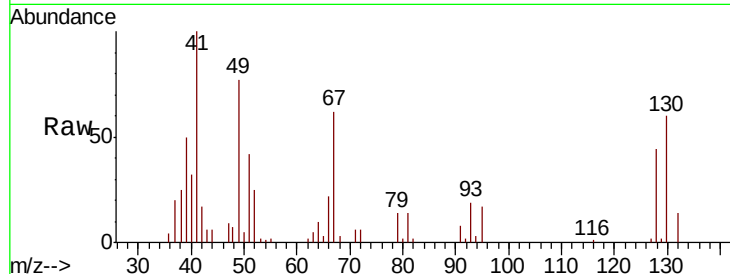




#35
Methacrylonitrile
Concen: 16.026 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.03 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

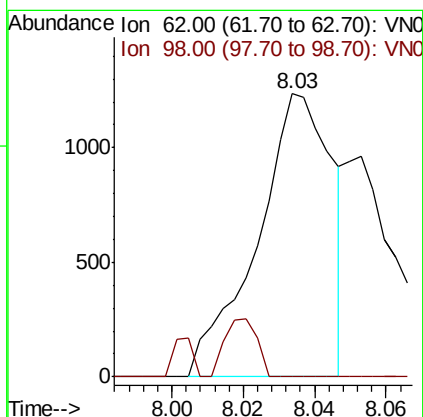
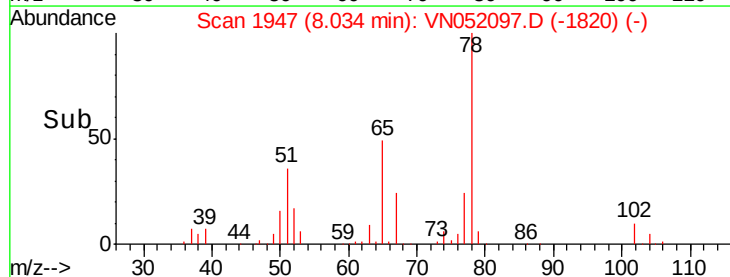
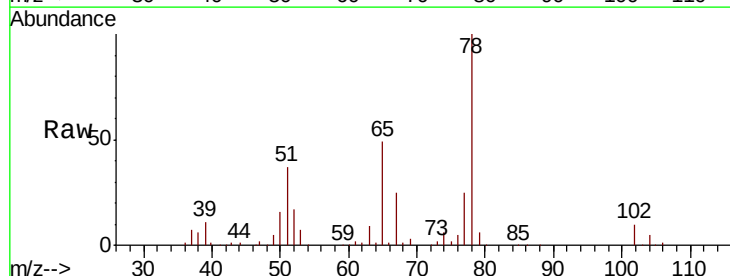
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

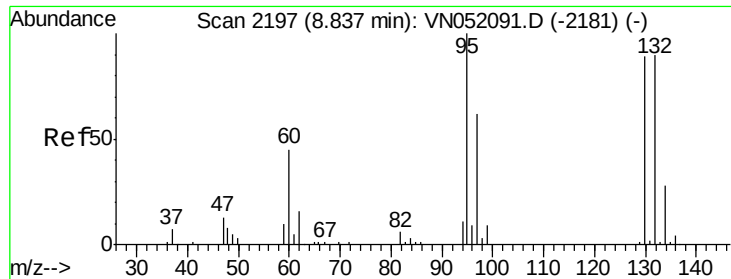
Tgt Ion: 41 Resp: 32935
Ion Ratio Lower Upper
41 100
39 50.1 26.1 78.3
67 63.3 11.0 33.0#
52 25.7 4.7 14.1#



#36
1,2-Dichloroethane
Concen: 0.325 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. -0.09 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion: 62 Resp: 1790
Ion Ratio Lower Upper
62 100
98 8.9 6.7 10.1





#37

Trichloroethene

Concen: 19.595 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

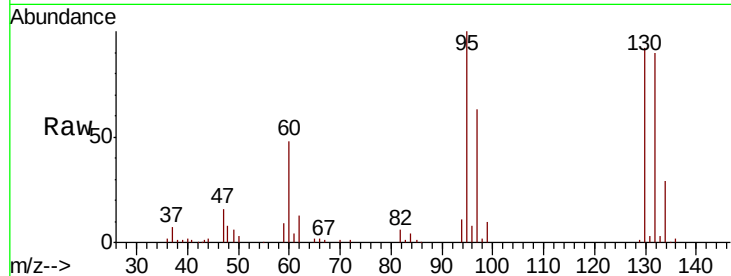
VN1101WBS01

Tgt Ion:130 Resp: 80794

Ion Ratio Lower Upper

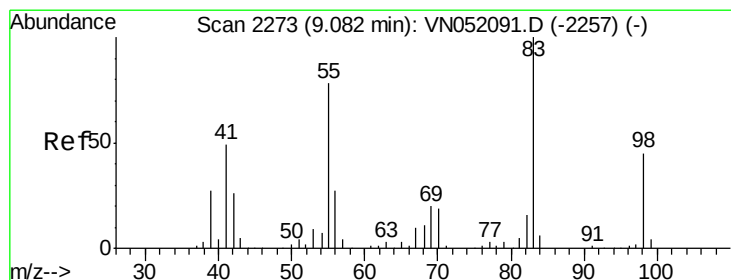
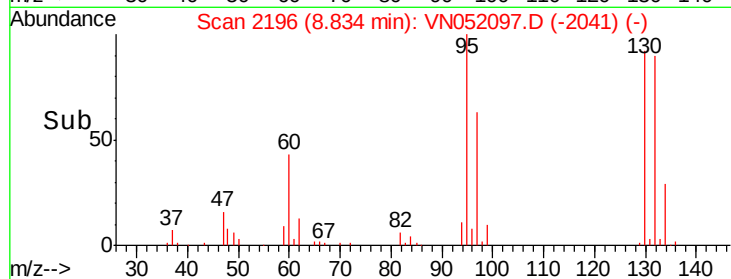
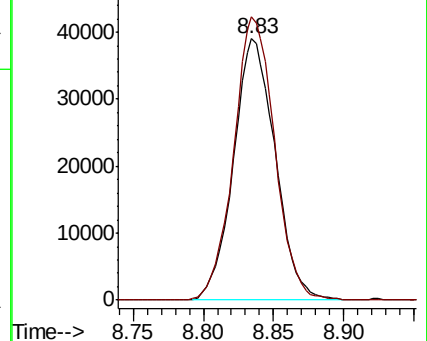
130 100

95 108.0 89.9 134.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.698 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

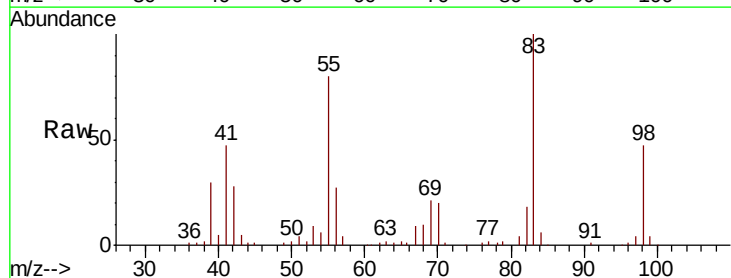
Tgt Ion: 83 Resp: 135200

Ion Ratio Lower Upper

83 100

55 78.9 38.5 115.3

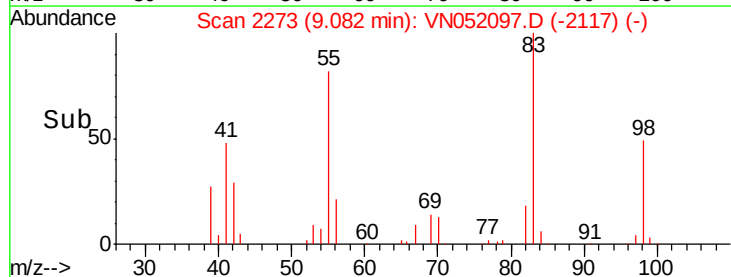
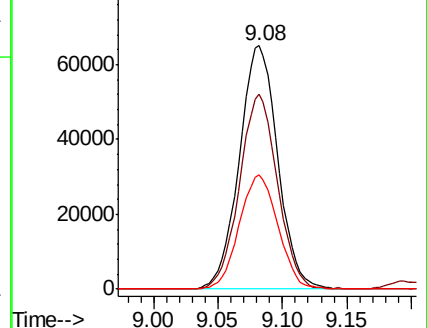
98 47.1 23.2 69.6

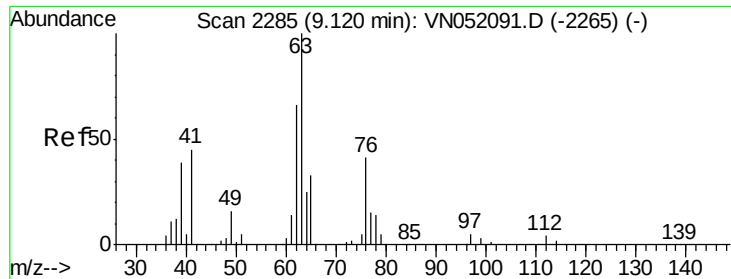


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 19.776 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

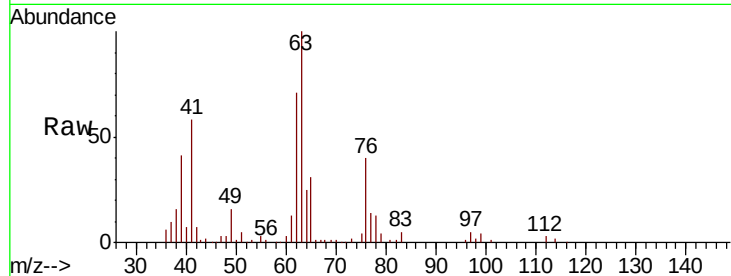
VN1101WBS01

Tgt Ion: 63 Resp: 86725

Ion Ratio Lower Upper

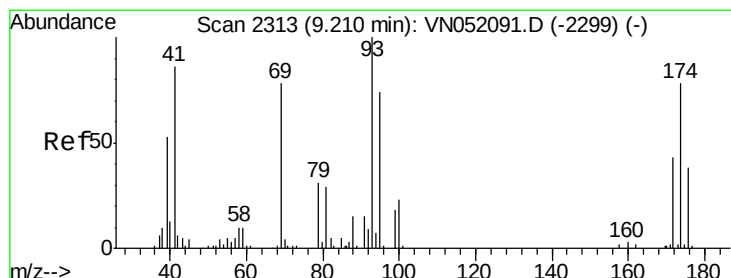
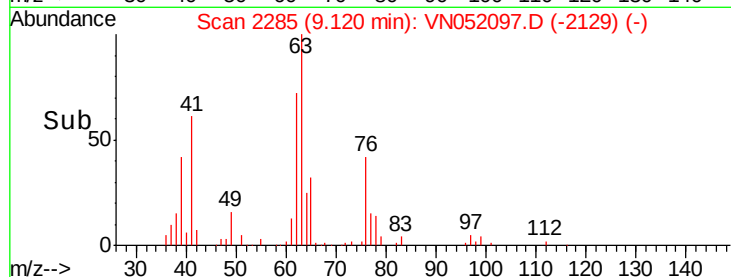
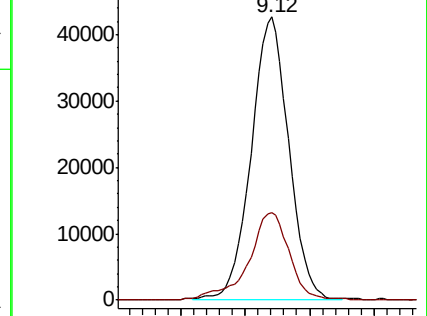
63 100

65 30.4 27.3 40.9



Abundance Ion 63.00 (62.70 to 63.70): VN052097.D (-2129) (-)

Ion 65.00 (64.70 to 65.70): VN052097.D (-2129) (-)



#40

Dibromomethane

Concen: 19.093 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

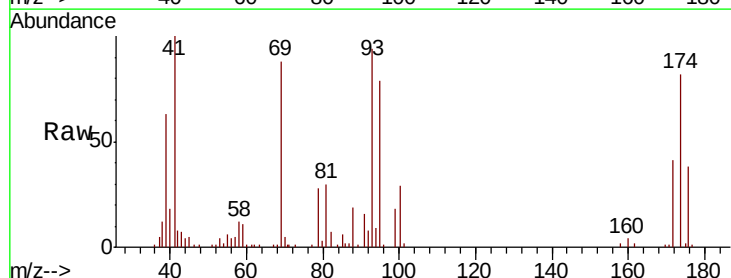
Tgt Ion: 93 Resp: 51609

Ion Ratio Lower Upper

93 100

95 84.9 0.0 161.2

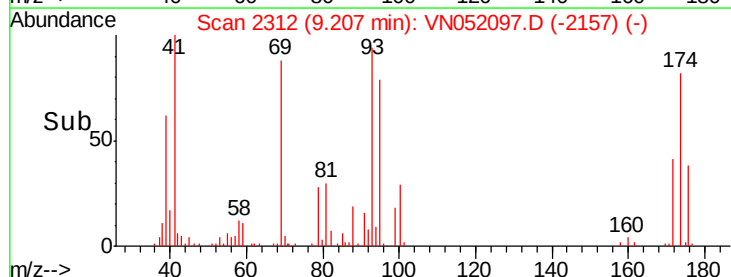
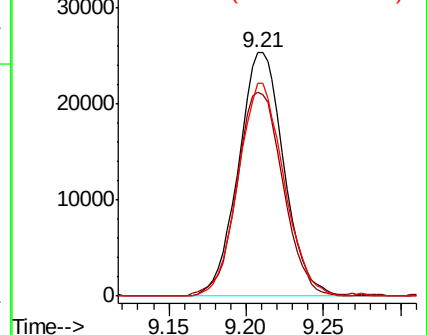
174 87.7 0.0 165.0

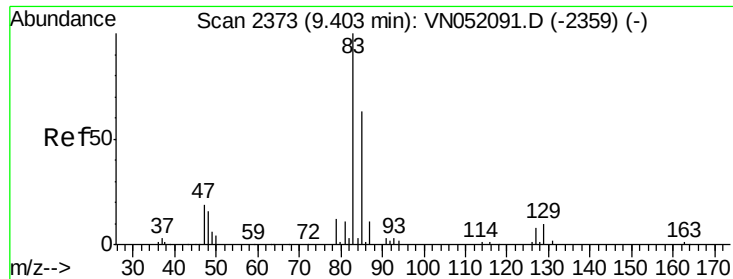


Abundance Ion 93.00 (92.70 to 93.70): VN052097.D (-2157) (-)

Ion 95.00 (94.70 to 95.70): VN052097.D (-2157) (-)

Ion 174.00 (173.70 to 174.70): VN052097.D (-2157) (-)





#41

Bromodichloromethane

Concen: 19.158 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

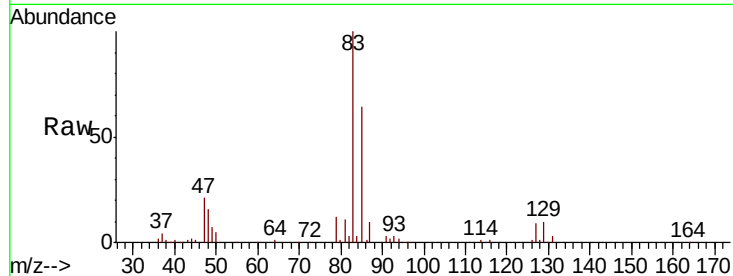
Tgt Ion: 83 Resp: 105955

Ion Ratio Lower Upper

83 100

85 63.7 50.2 75.2

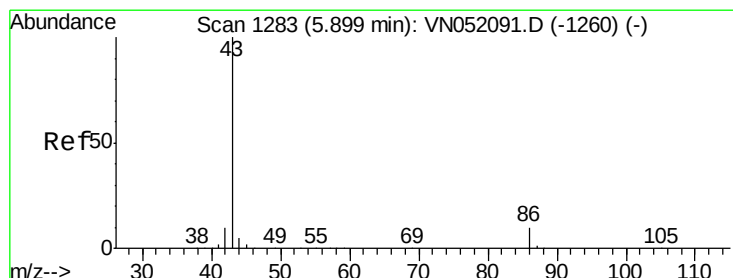
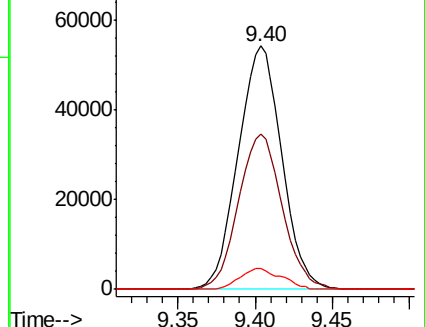
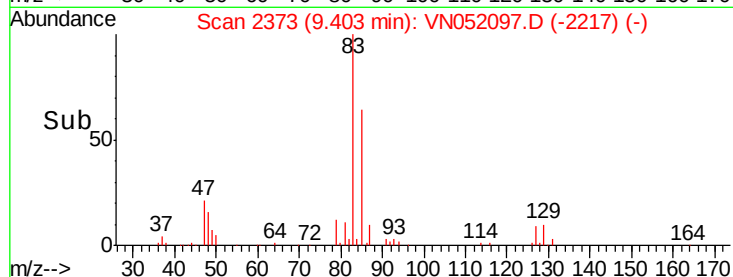
127 8.6 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VN052097.D (-2359) (-)

Ion 85.00 (84.70 to 85.70): VN052097.D (-2359) (-)

Ion 127.00 (126.70 to 127.70): VN052097.D (-2359) (-)



#42

Vinyl Acetate

Concen: 98.809 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052097.D

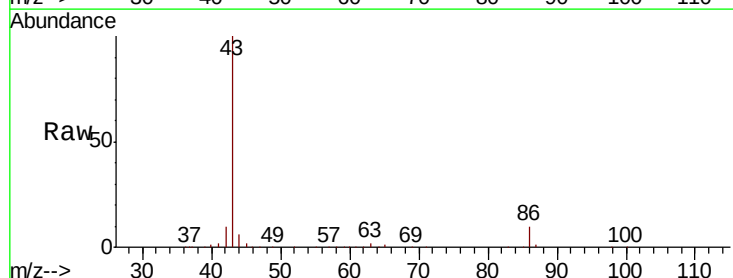
Acq: 1 Nov 2018 12:27

Tgt Ion: 43 Resp: 866723

Ion Ratio Lower Upper

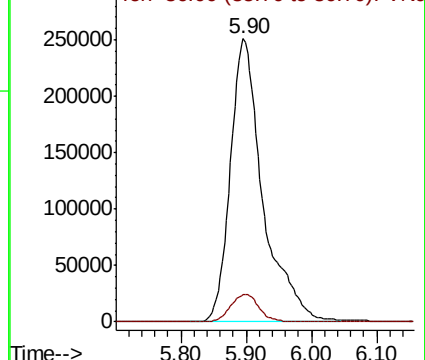
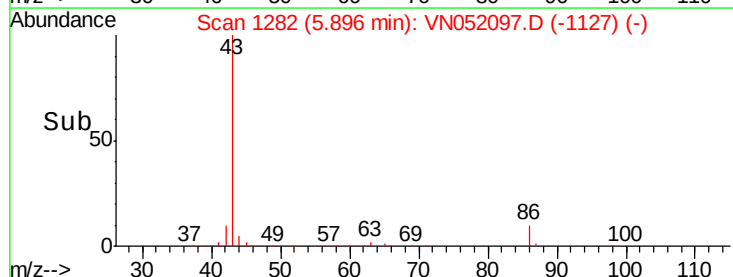
43 100

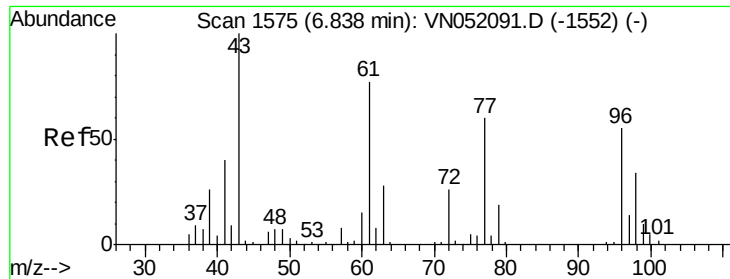
86 8.3 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN052097.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN052097.D (-1127) (-)





#43

Ethyl Acetate

Concen: 20.181 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

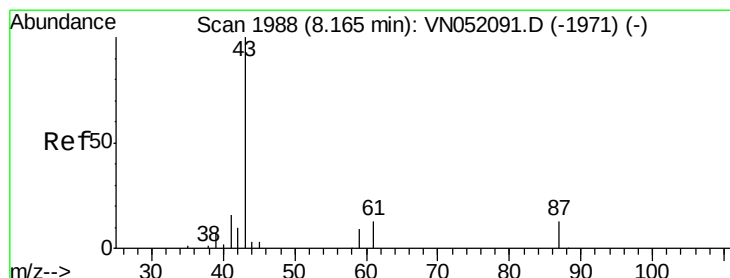
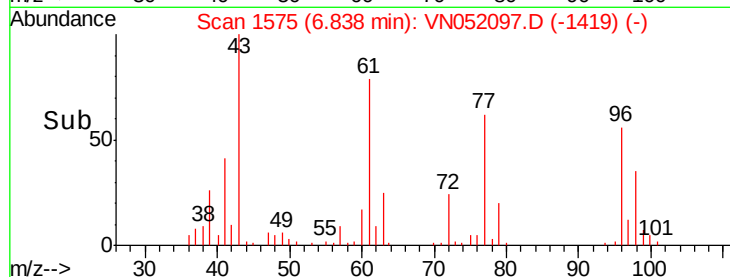
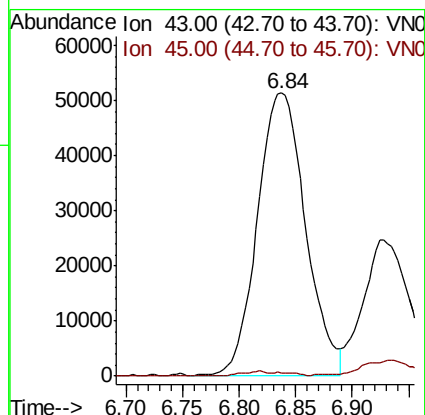
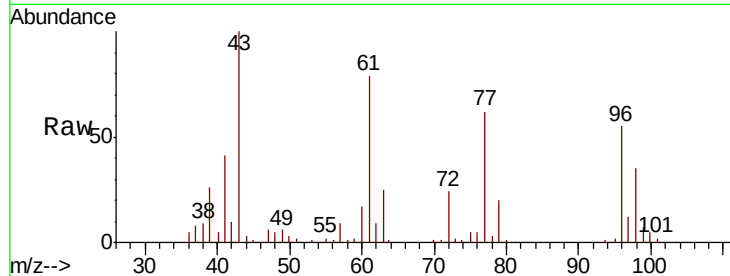
VN1101WBS01

Tgt Ion: 43 Resp: 151962

Ion Ratio Lower Upper

43 100

45 0.4 3.8 5.8#



#44

Isopropyl Acetate

Concen: 19.901 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052097.D

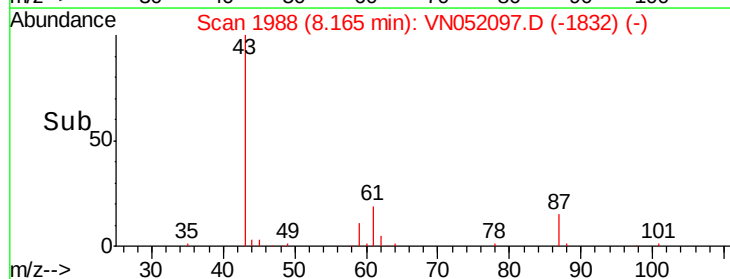
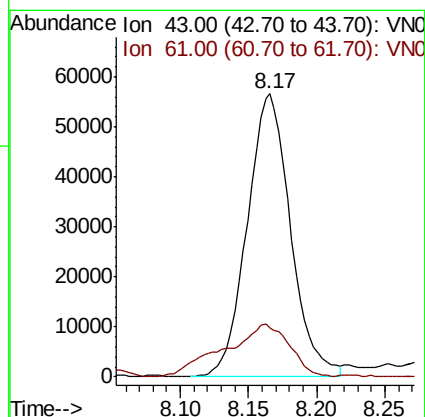
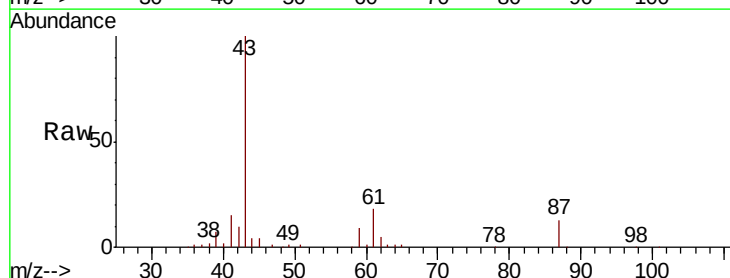
Acq: 1 Nov 2018 12:27

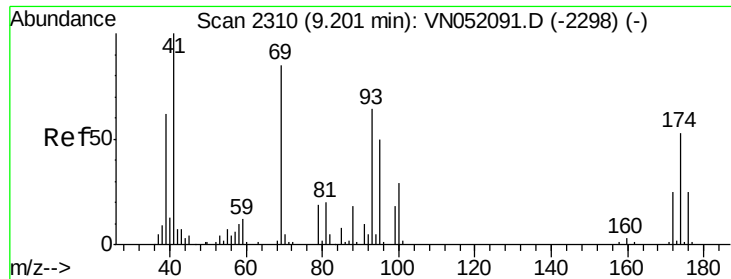
Tgt Ion: 43 Resp: 124070

Ion Ratio Lower Upper

43 100

61 17.5 16.2 24.2

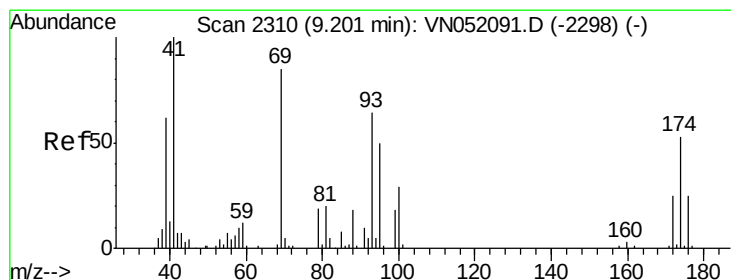
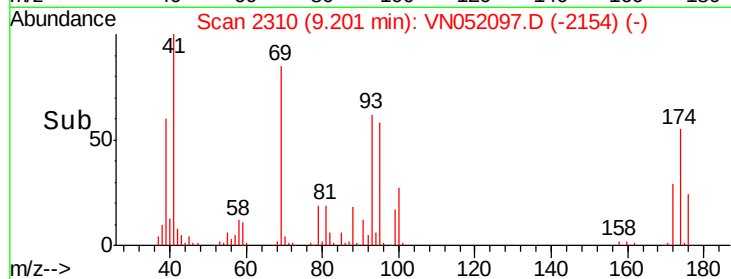
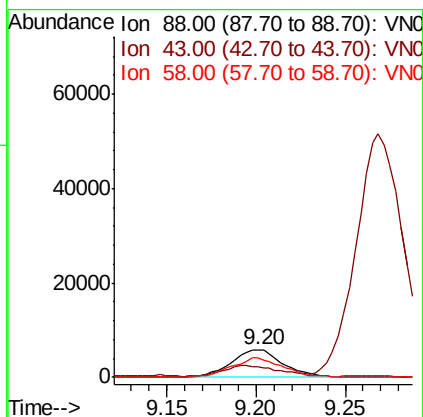
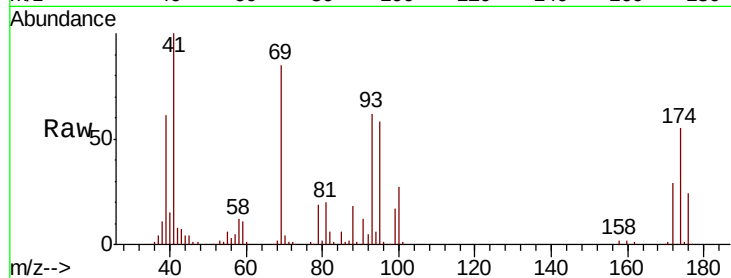




#45
1,4-Dioxane
Concen: 414.931 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

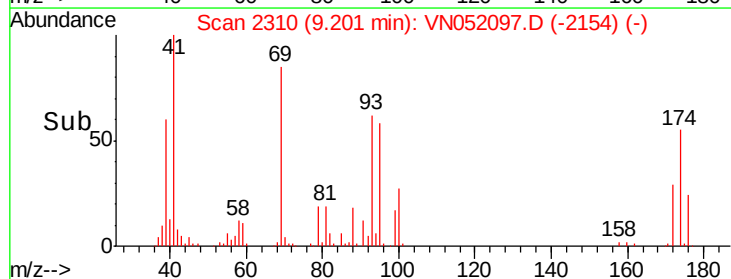
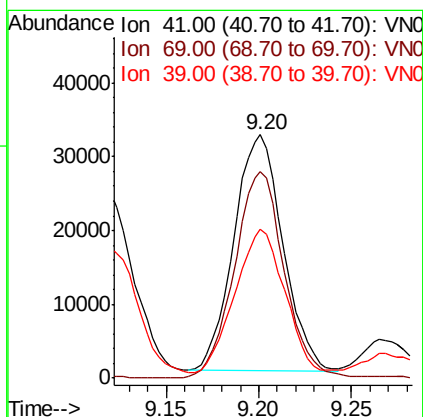
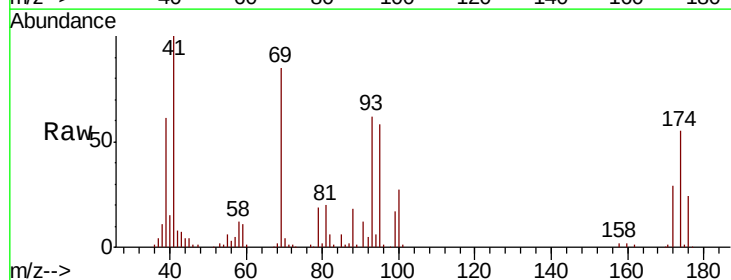
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

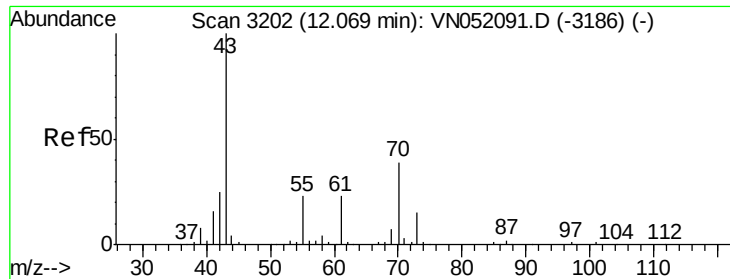
Tgt Ion: 88 Resp: 11801
Ion Ratio Lower Upper
88 100
43 43.0 28.6 43.0#
58 71.0 37.8 56.8#



#46
Methyl methacrylate
Concen: 18.894 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion: 41 Resp: 58636
Ion Ratio Lower Upper
41 100
69 86.9 42.5 127.6
39 60.9 31.1 93.3





#47

n-amyl Acetate

Concen: 18.705 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

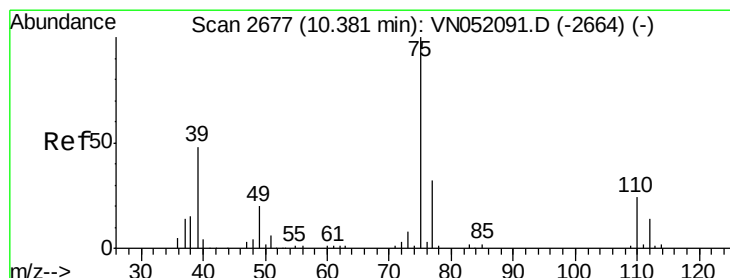
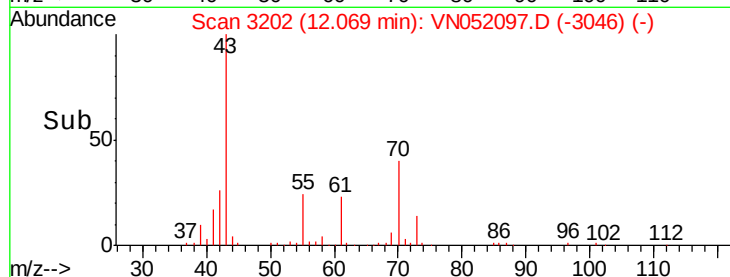
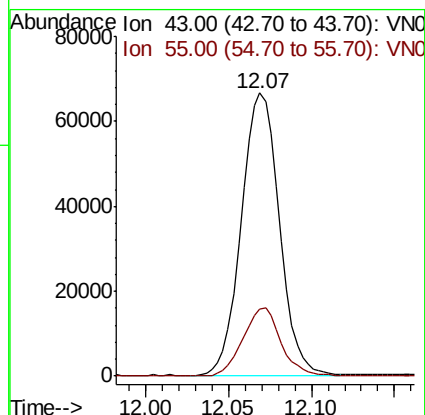
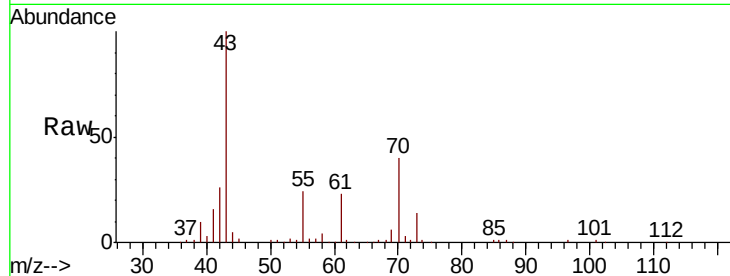
VN1101WBS01

Tgt Ion: 43 Resp: 105706

Ion Ratio Lower Upper

43 100

55 24.4 0.0 0.0#



#48

t-1,3-Dichloropropene

Concen: 18.747 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052097.D

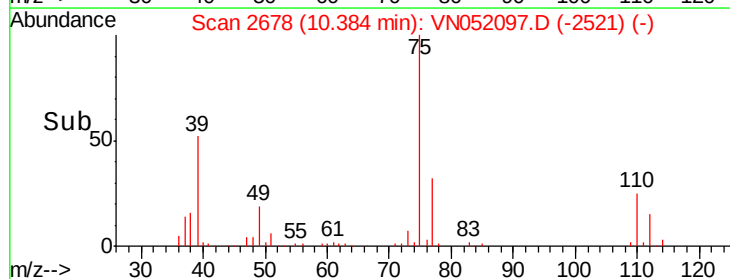
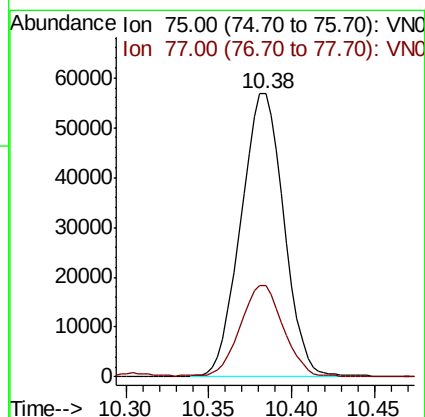
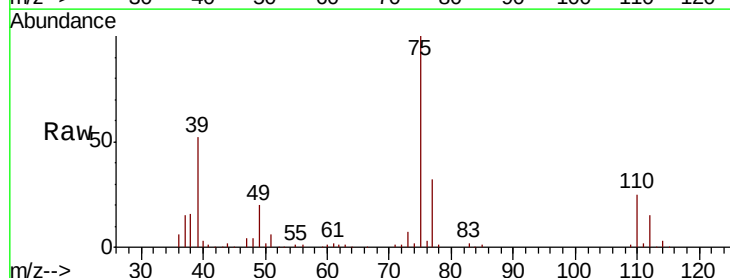
Acq: 1 Nov 2018 12:27

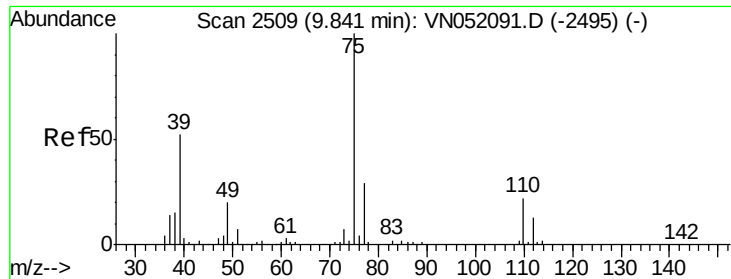
Tgt Ion: 75 Resp: 102956

Ion Ratio Lower Upper

75 100

77 31.8 26.3 39.5





#49

cis-1,3-Dichloropropene

Concen: 19.429 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

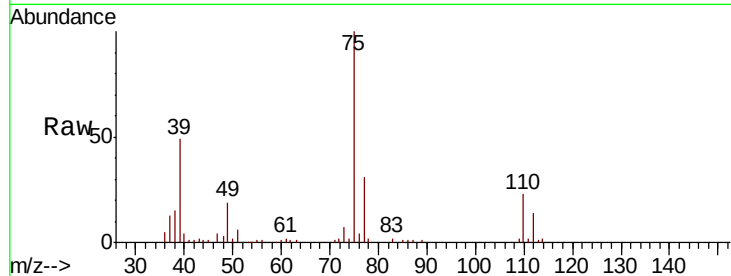
Tgt Ion: 75 Resp: 123154

Ion Ratio Lower Upper

75 100

77 30.9 23.3 34.9

39 48.9 41.6 62.4

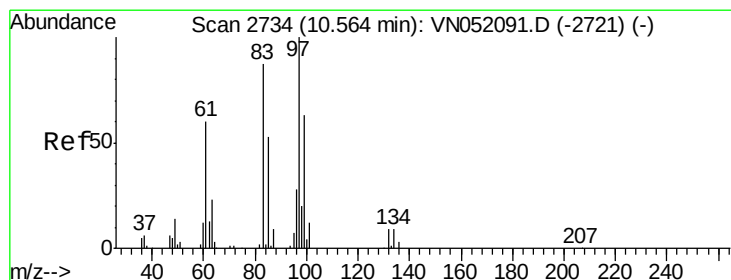
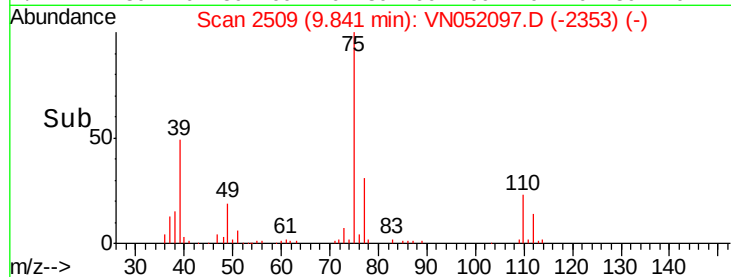
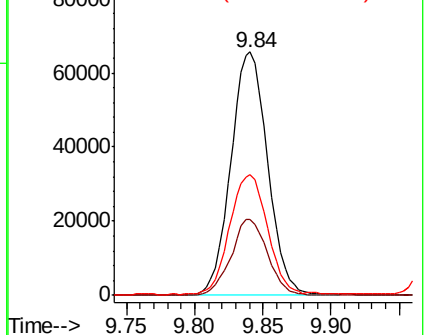


Abundance

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: 19.884 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Tgt Ion: 97 Resp: 71072

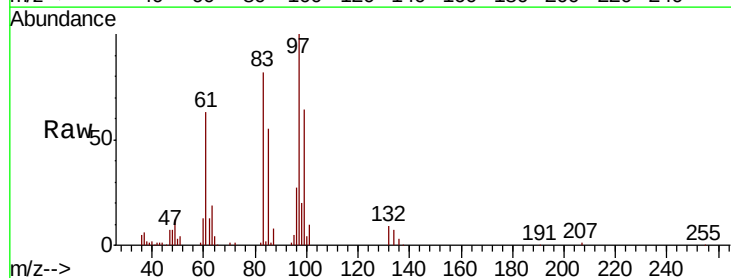
Ion Ratio Lower Upper

97 100

83 81.8 69.4 104.0

85 55.1 42.7 64.1

99 63.9 50.6 75.8



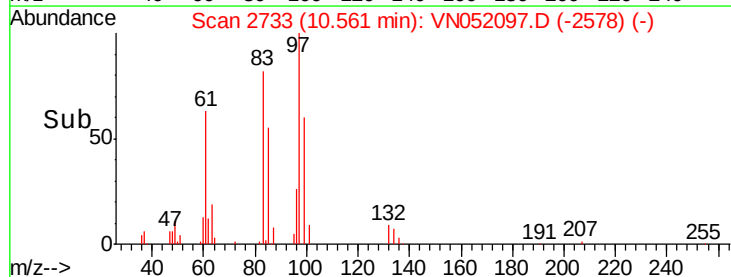
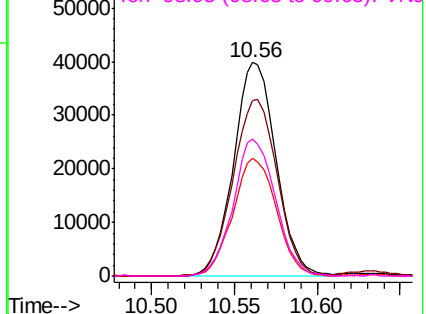
Abundance

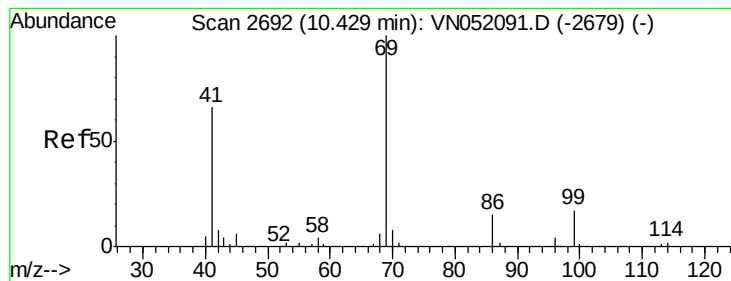
Ion 97.00 (96.70 to 97.70): VNO

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: 20.268 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

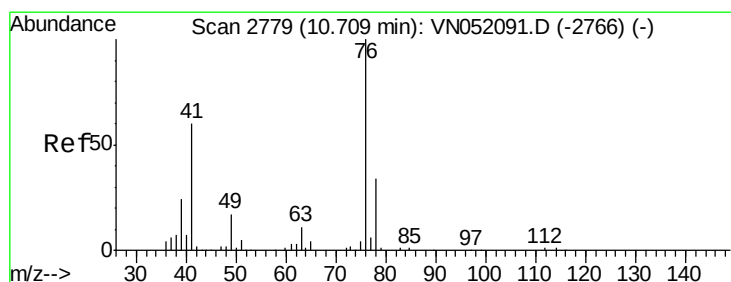
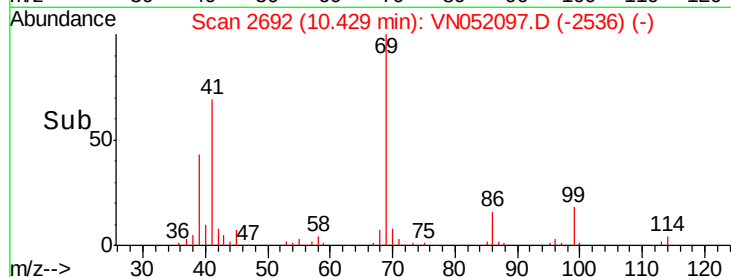
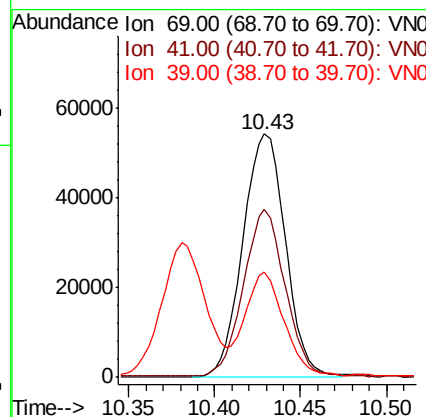
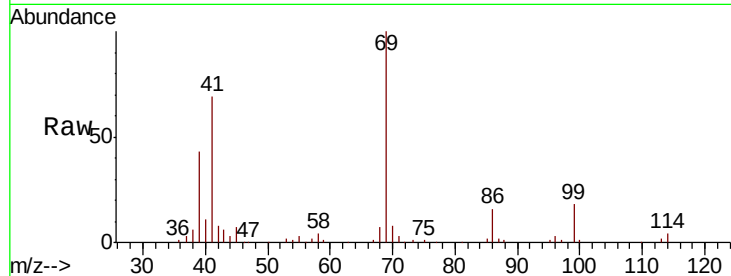
Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion:	69	Resp:	93628
Ion	Ratio	Lower	Upper
69	100		
41	68.1	33.0	99.0
39	42.2	20.7	62.1



#52

1,3-Dichloropropane

Concen: 19.708 ug/l

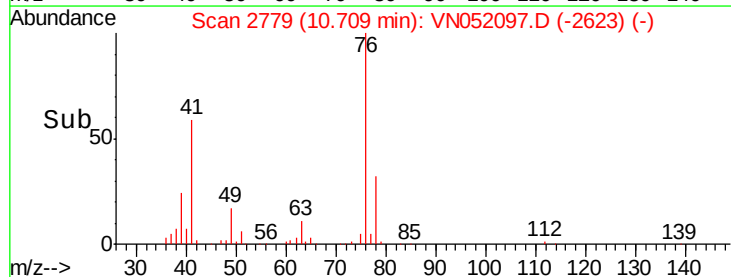
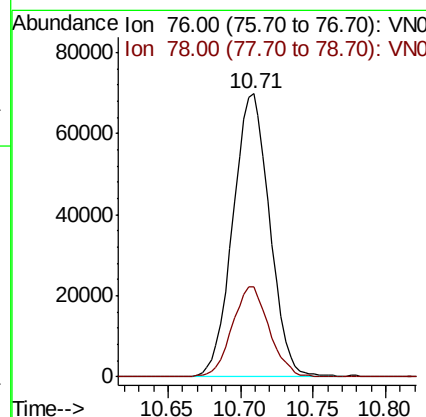
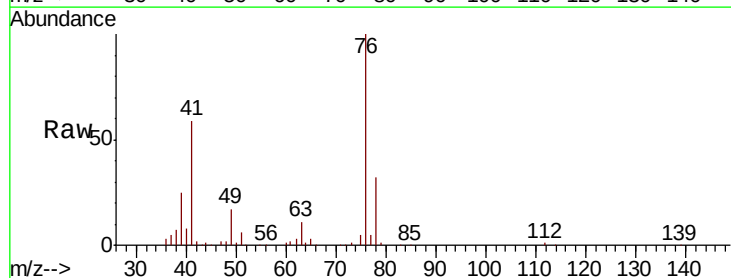
RT: 10.71 min Scan# 2779

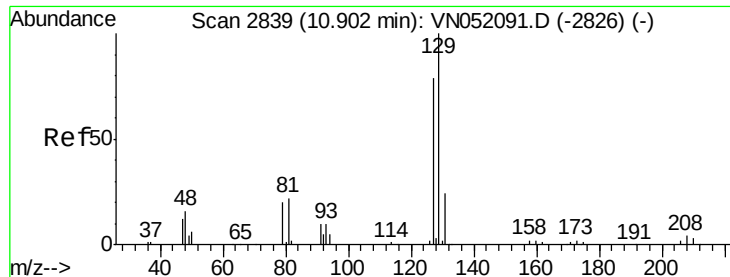
Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Tgt Ion:	76	Resp:	122704
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	65.0





#53

Dibromochloromethane

Concen: 18.305 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

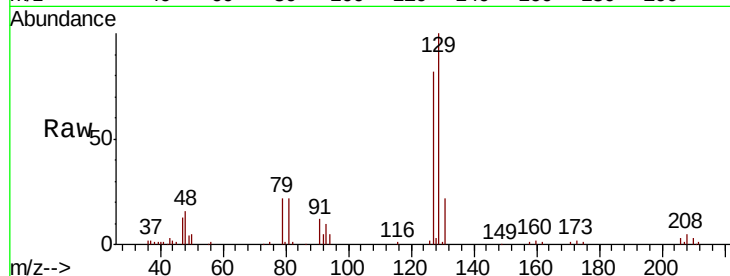
VN1101WBS01

Tgt Ion:129 Resp: 70637

Ion Ratio Lower Upper

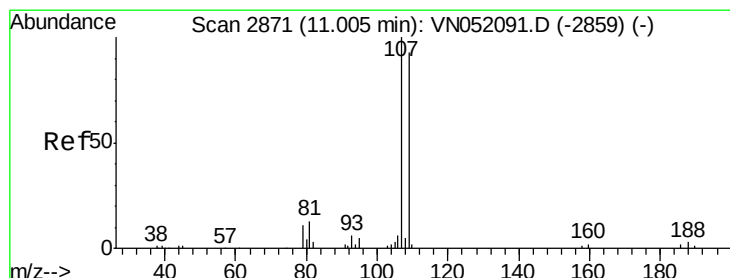
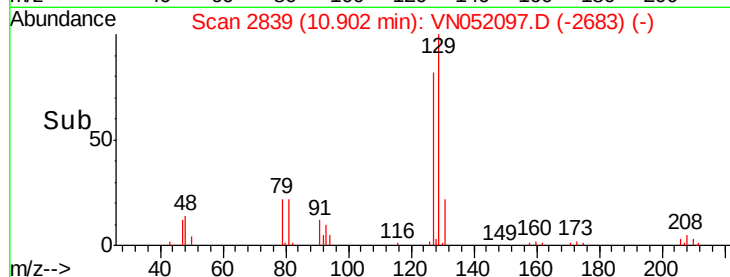
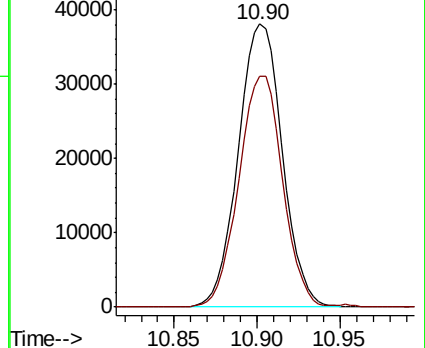
129 100

127 81.1 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.465 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052097.D

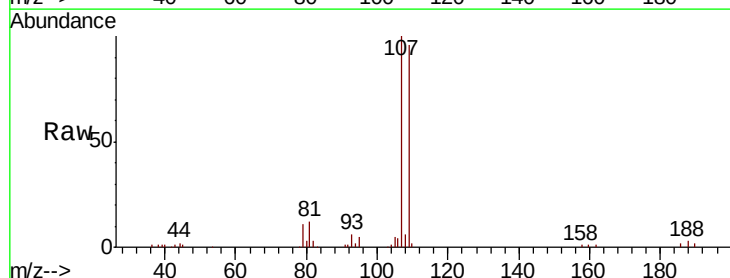
Acq: 1 Nov 2018 12:27

Tgt Ion:107 Resp: 70553

Ion Ratio Lower Upper

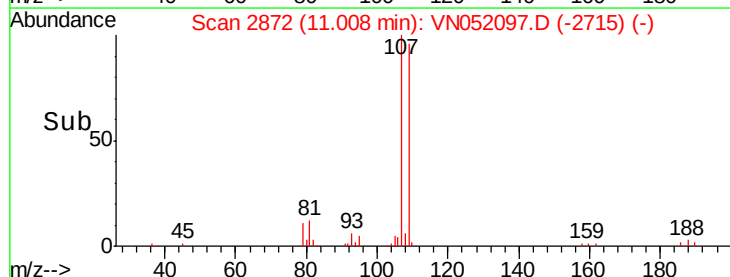
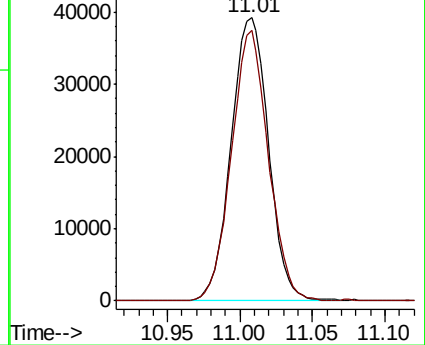
107 100

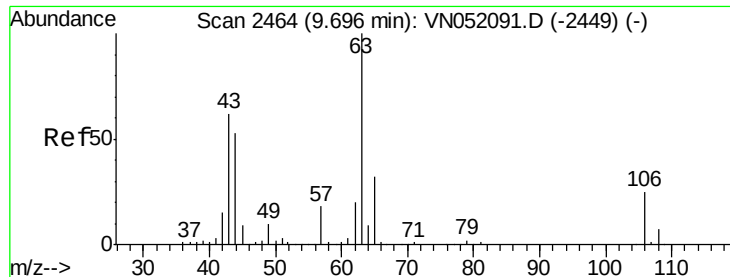
109 93.9 77.0 115.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

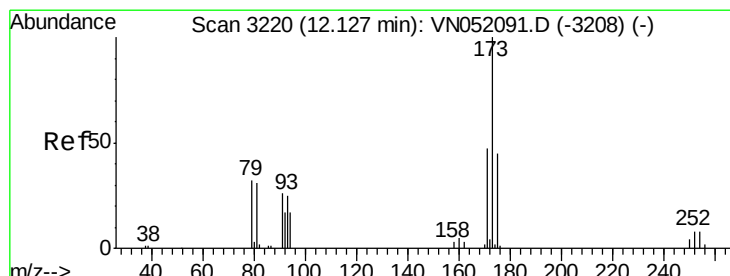
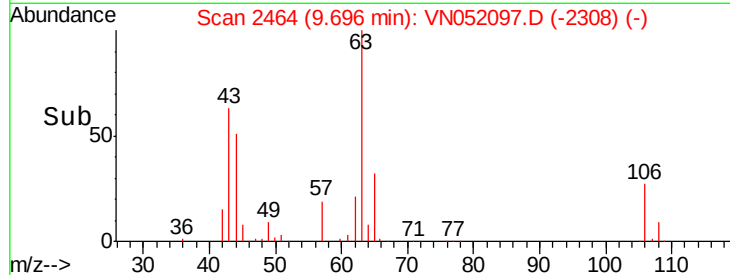
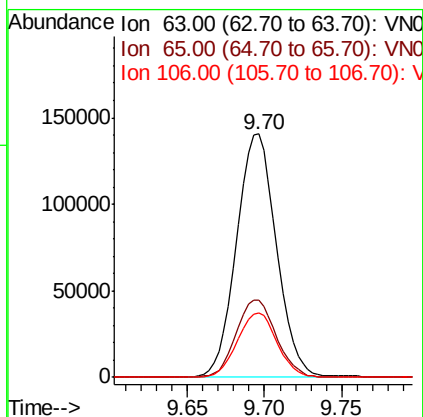
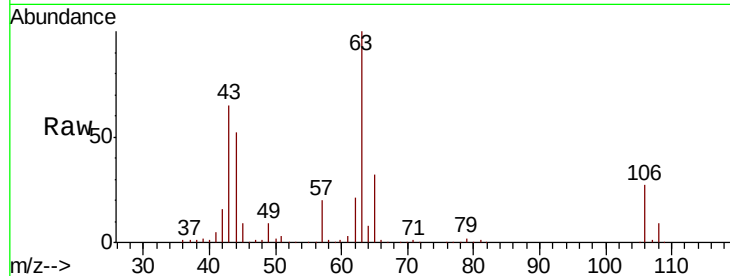




#55
 2-Chloroethyl vinyl ether
 Concen: 99.866 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

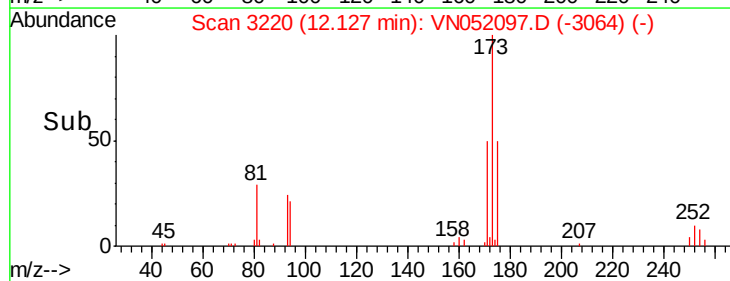
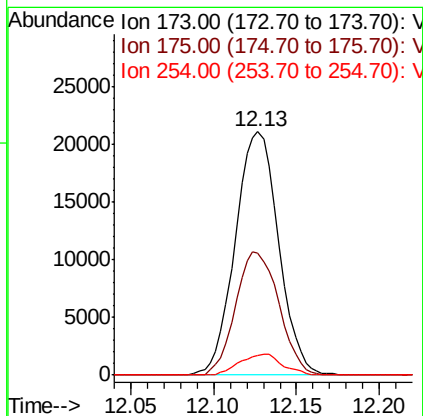
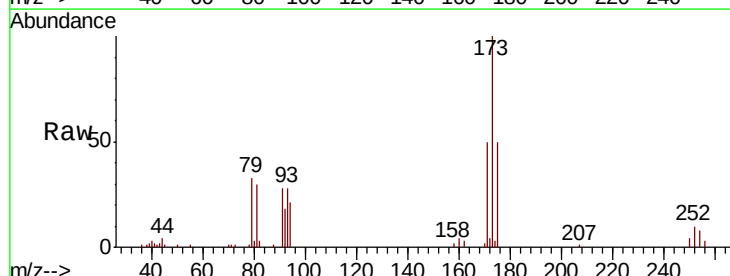
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

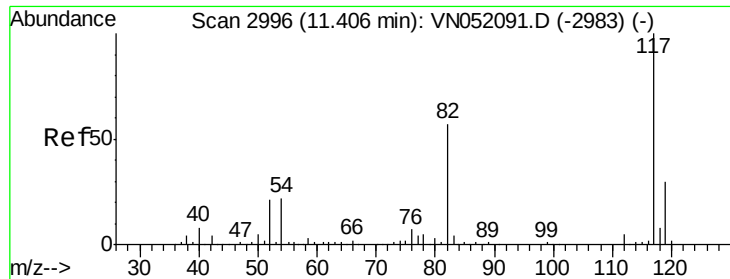
Tgt Ion: 63 Resp: 252627
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.5 38.3
 106 26.4 20.4 30.6



#56
 Bromoform
 Concen: 17.171 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion: 173 Resp: 38270
 Ion Ratio Lower Upper
 173 100
 175 50.5 37.3 55.9
 254 8.4 7.0 10.6

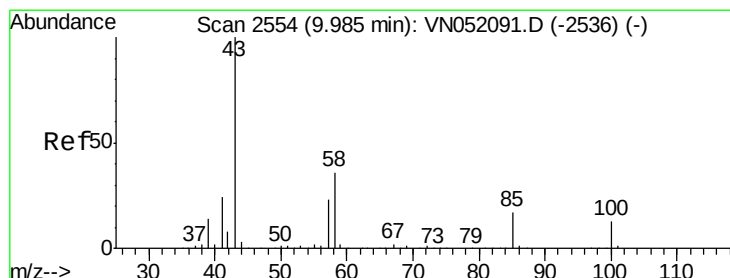
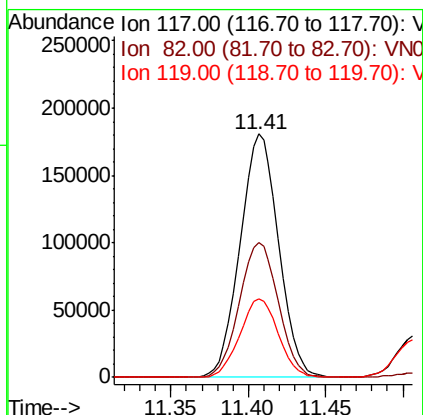
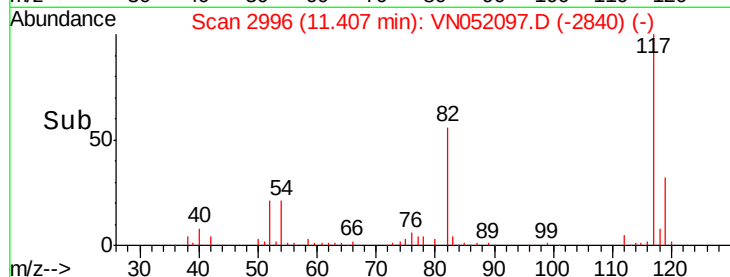
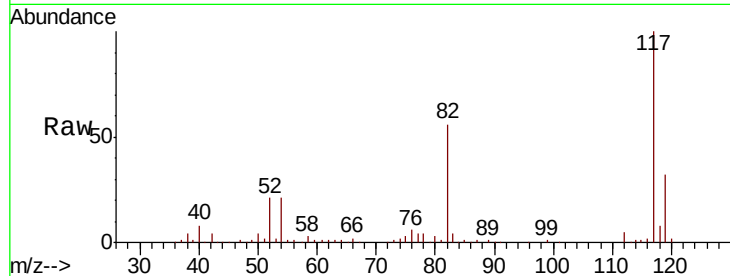




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

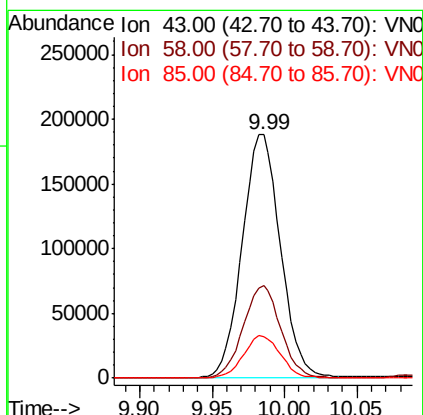
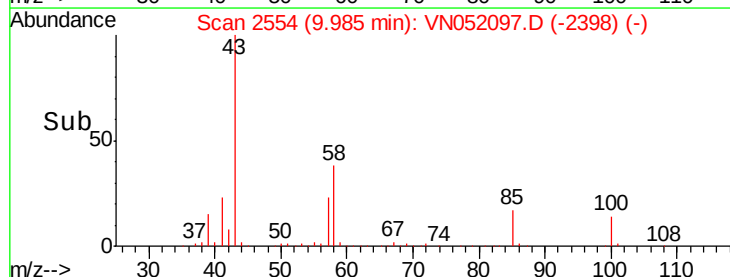
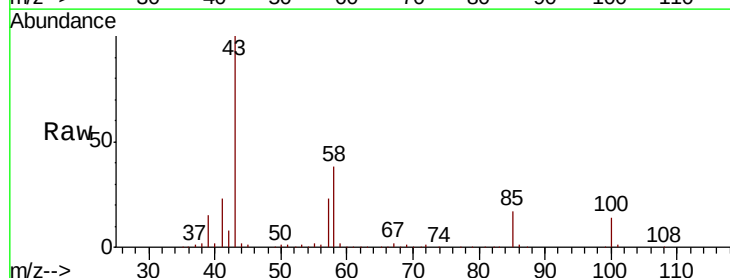
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

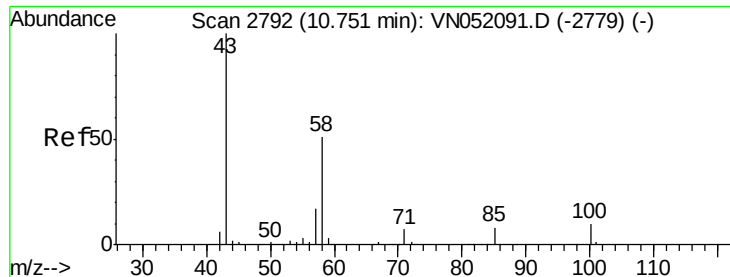
Tgt Ion:117 Resp: 313098
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.6
119 32.2 24.2 36.4



#58
4-Methyl-2-Pentanone
Concen: 102.669 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion: 43 Resp: 344455
Ion Ratio Lower Upper
43 100
58 37.3 29.0 43.6
85 17.1 13.4 20.2

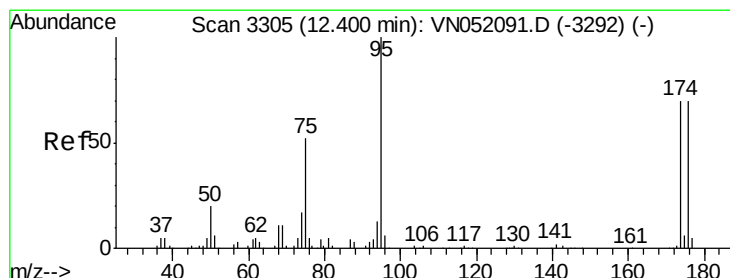
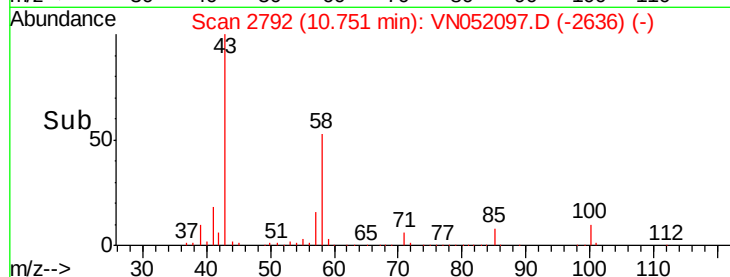
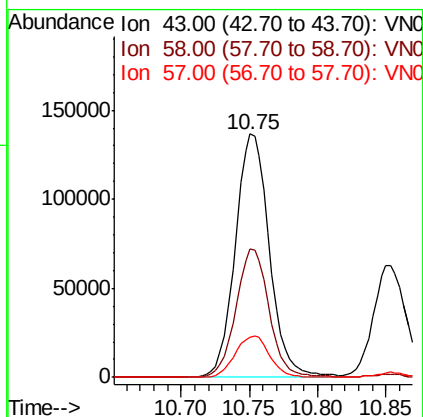
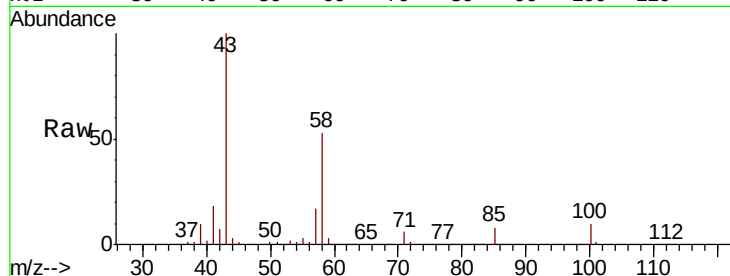




#59
2-Hexanone
Concen: 101.760 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

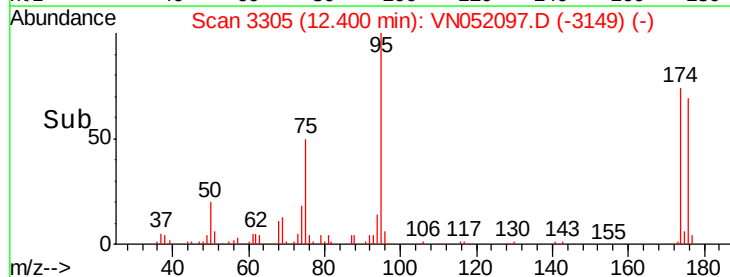
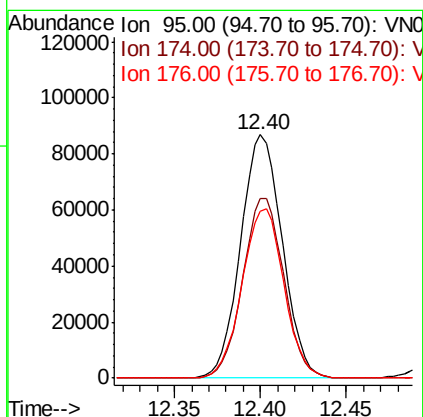
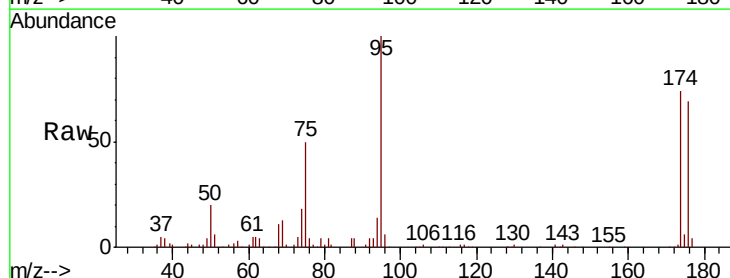
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

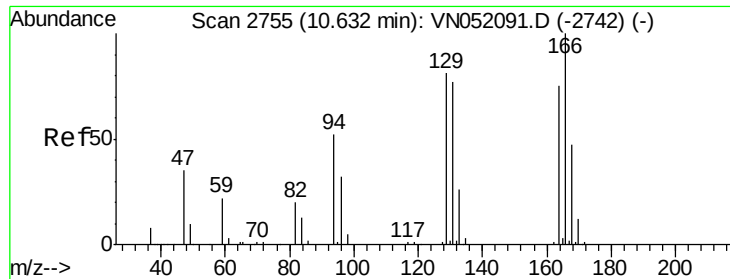
Tgt Ion: 43 Resp: 235070
Ion Ratio Lower Upper
43 100
58 52.0 40.8 61.2
57 17.5 13.8 20.8



#60
4-Bromofluorobenzene
Concen: 101.760 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion: 95 Resp: 145821
Ion Ratio Lower Upper
95 100
174 72.9 55.0 82.6
176 70.1 54.2 81.4





#61

Tetrachloroethene

Concen: 20.372 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

Tgt Ion:164 Resp: 69370

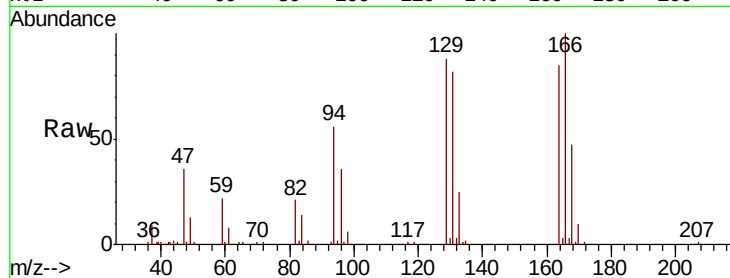
Ion Ratio Lower Upper

164 100

166 117.1 106.4 159.6

129 102.6 87.0 130.4

131 96.5 81.4 122.2

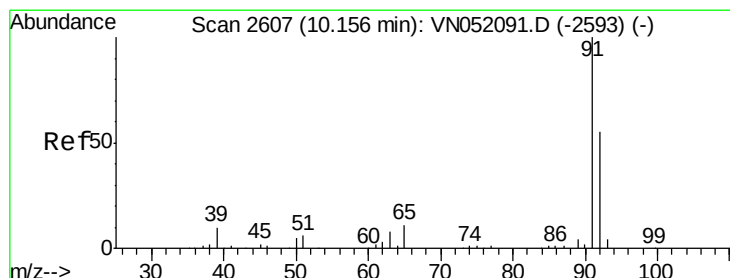
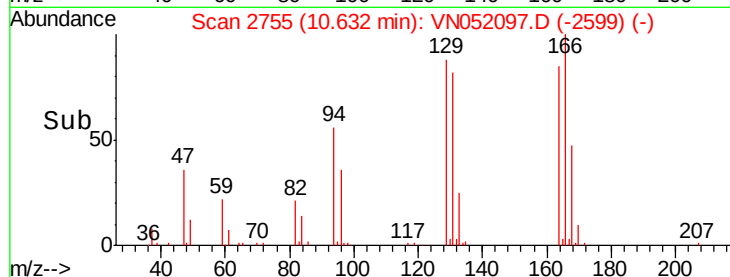
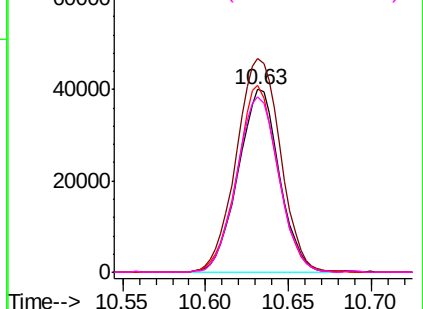


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.349 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052097.D

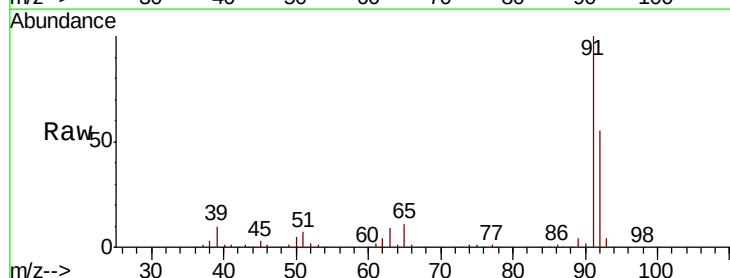
Acq: 1 Nov 2018 12:27

Tgt Ion: 91 Resp: 357660

Ion Ratio Lower Upper

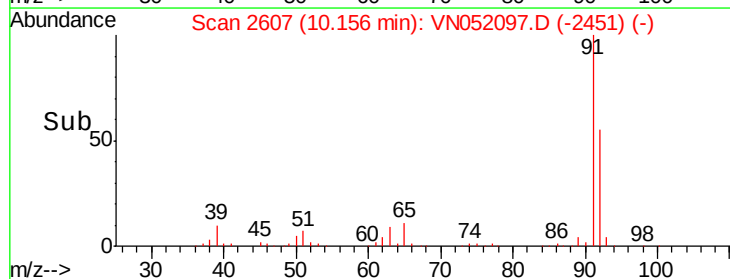
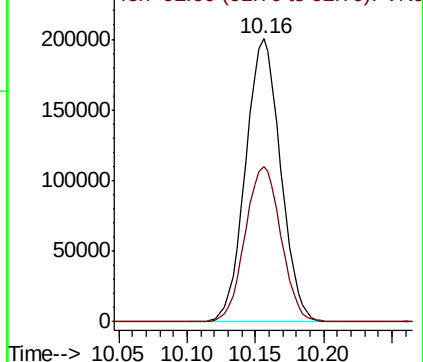
91 100

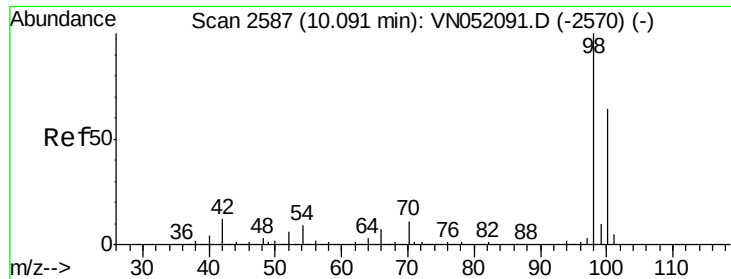
92 56.2 44.6 67.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.349 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampled :

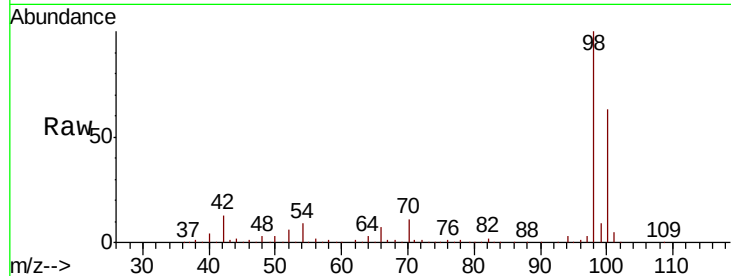
VN1101WBS01

Tgt Ion: 98 Resp: 441379

Ion Ratio Lower Upper

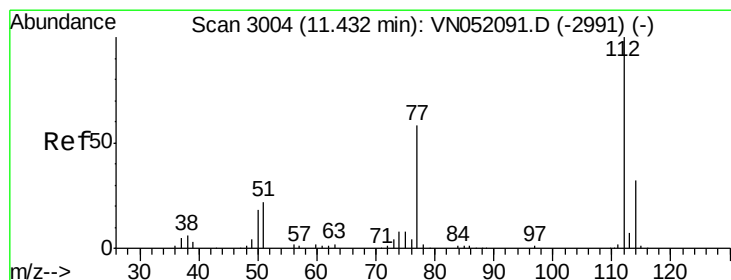
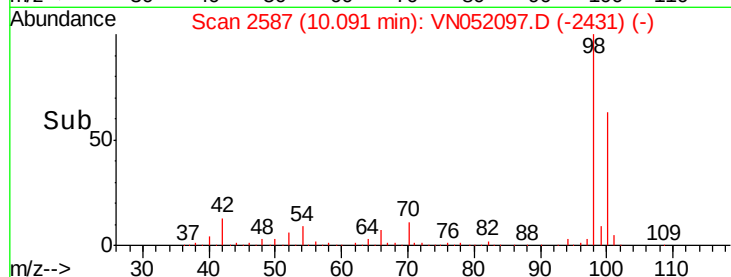
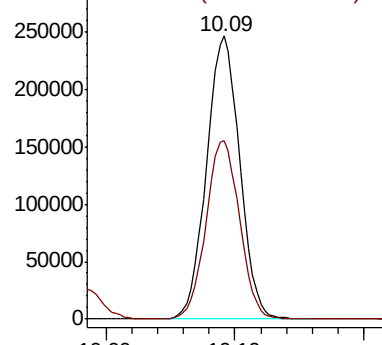
98 100

100 63.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 19.449 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052097.D

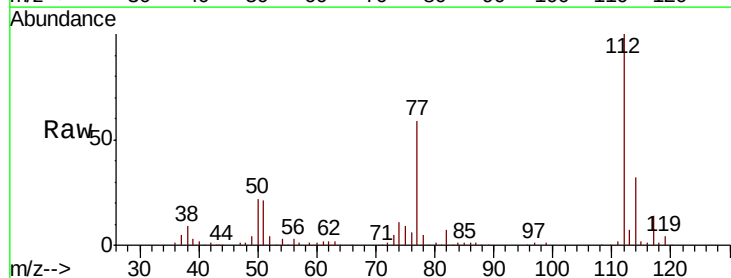
Acq: 1 Nov 2018 12:27

Tgt Ion: 112 Resp: 216647

Ion Ratio Lower Upper

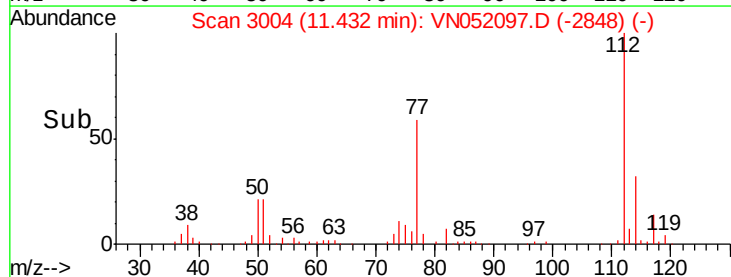
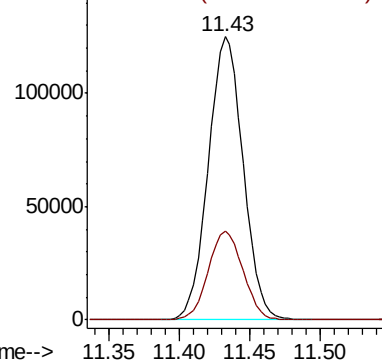
112 100

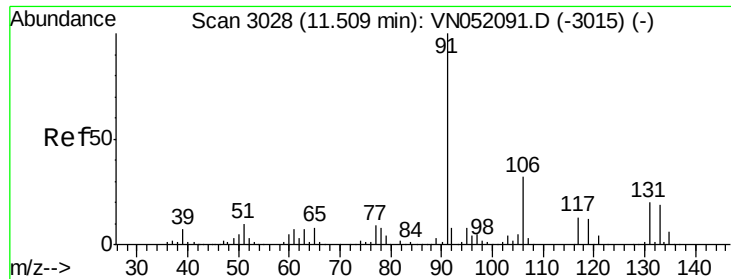
114 31.5 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

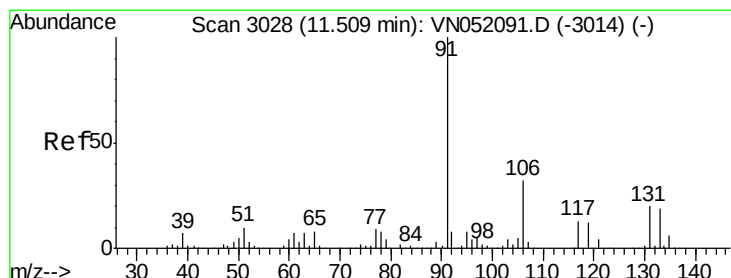
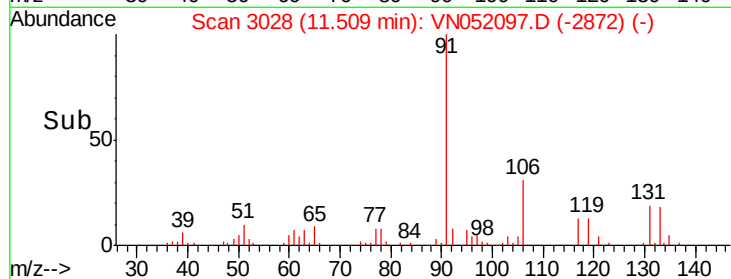
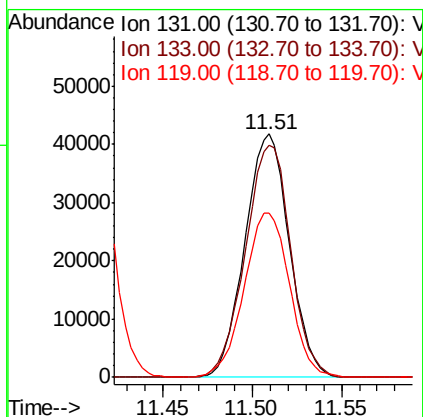
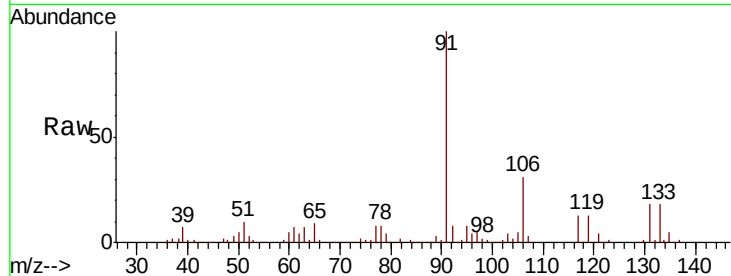




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.237 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

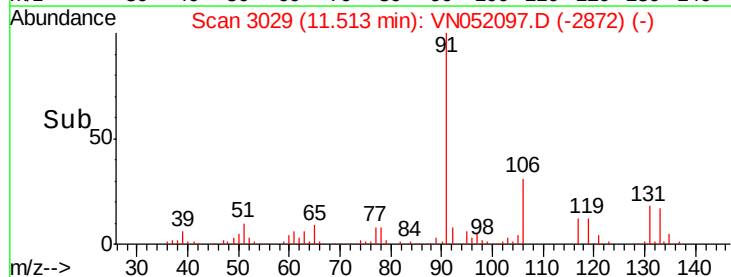
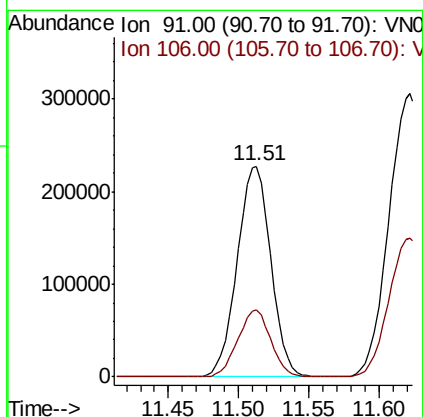
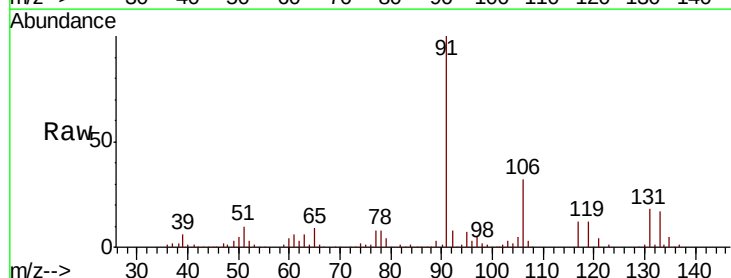
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

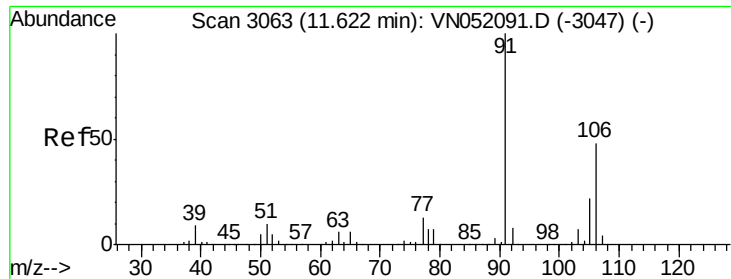
Tgt Ion: 131 Resp: 72934
 Ion Ratio Lower Upper
 131 100
 133 97.1 0.0 188.8
 119 69.0 0.0 131.4



#66
 Ethyl Benzene
 Concen: 20.034 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion: 91 Resp: 380348
 Ion Ratio Lower Upper
 91 100
 106 32.1 25.7 38.5





#67

m/p-Xylenes

Concen: 39.812 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampled :

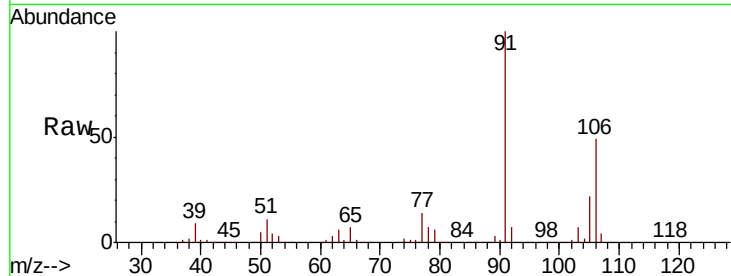
VN1101WBS01

Tgt Ion:106 Resp: 290996

Ion Ratio Lower Upper

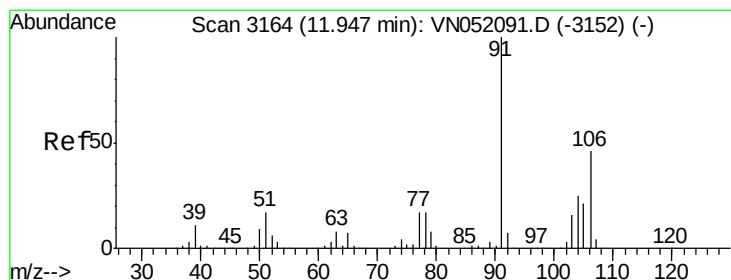
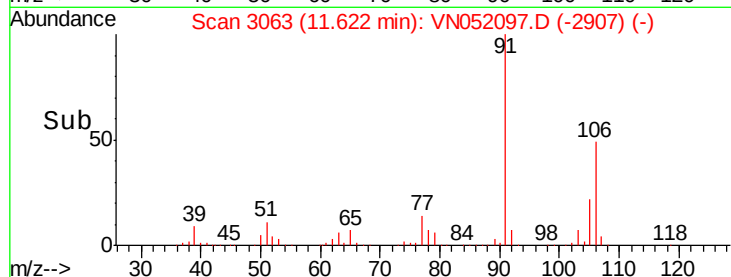
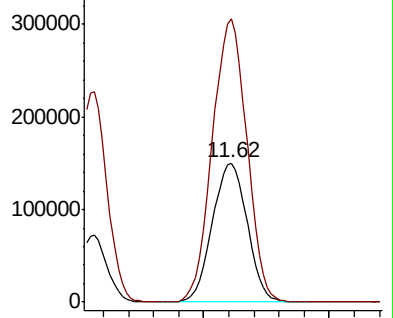
106 100

91 201.6 163.6 245.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.209 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN052097.D

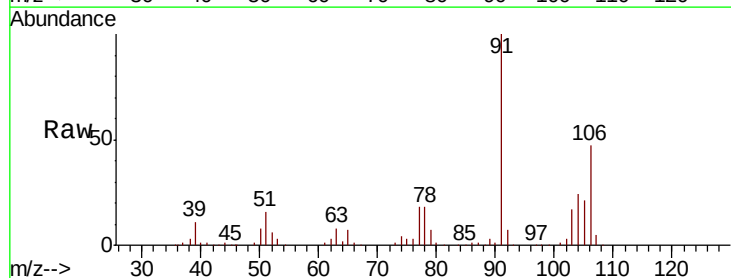
Acq: 1 Nov 2018 12:27

Tgt Ion:106 Resp: 140831

Ion Ratio Lower Upper

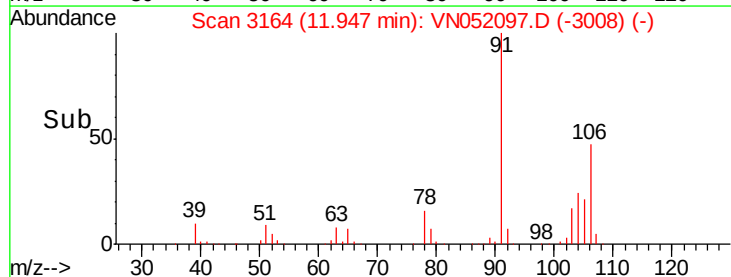
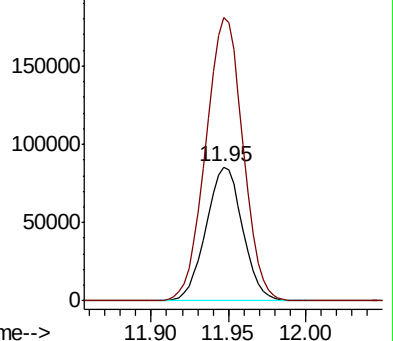
106 100

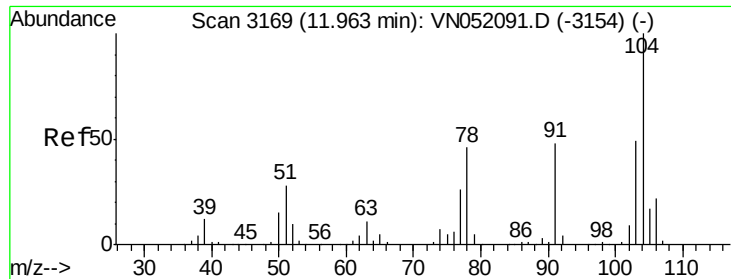
91 214.9 110.0 330.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#69

Styrene

Concen: 19.592 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

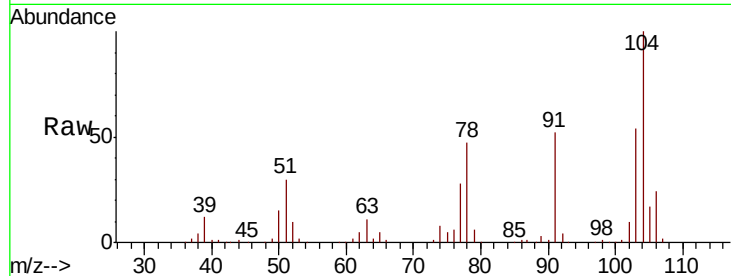
Tgt Ion:104 Resp: 220005

Ion Ratio Lower Upper

104 100

78 52.2 41.3 61.9

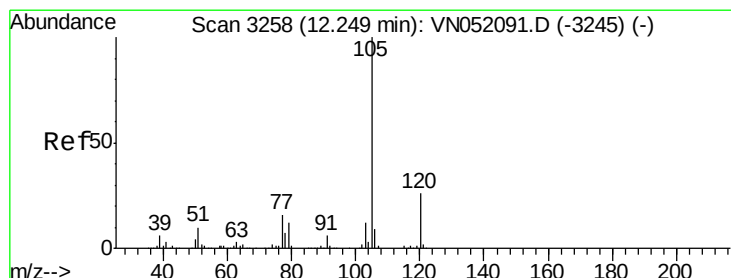
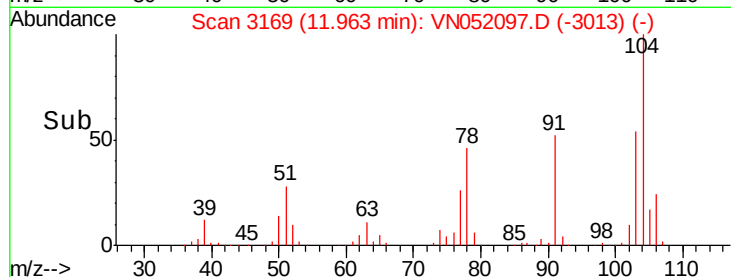
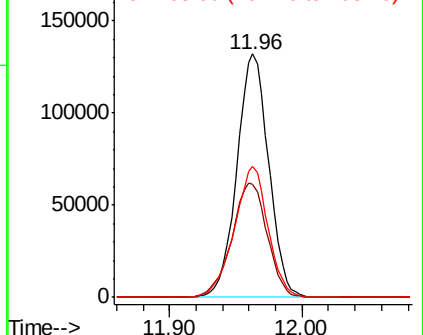
103 57.0 43.3 64.9



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: 20.108 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052097.D

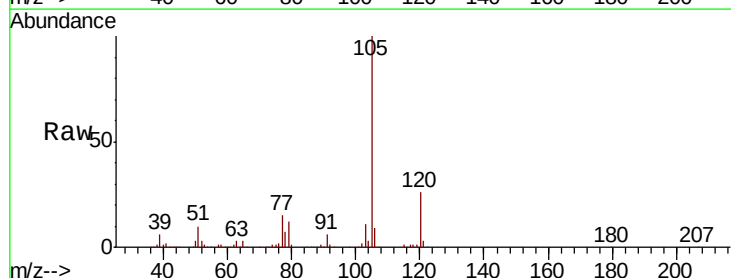
Acq: 1 Nov 2018 12:27

Tgt Ion:105 Resp: 376164

Ion Ratio Lower Upper

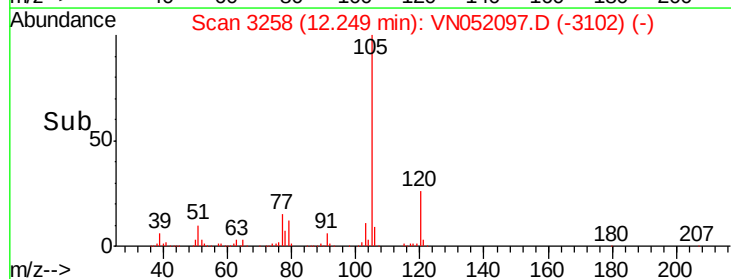
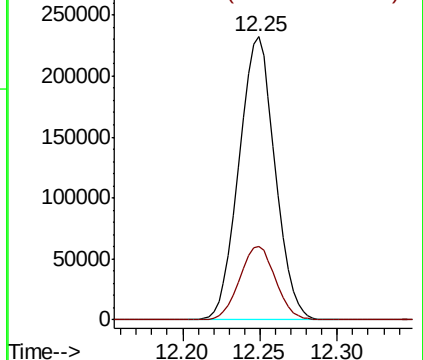
105 100

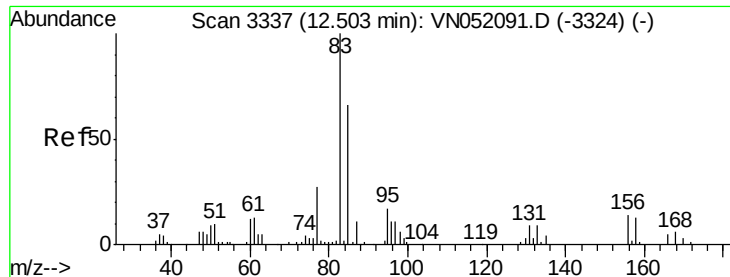
120 25.9 18.4 34.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

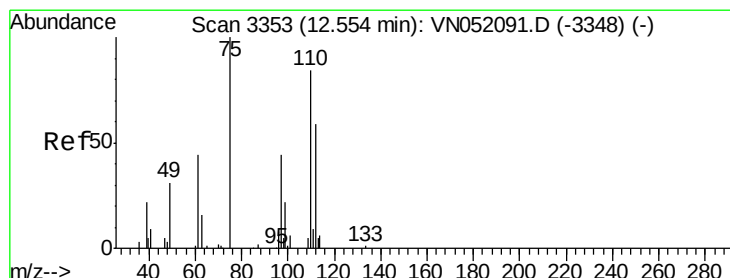
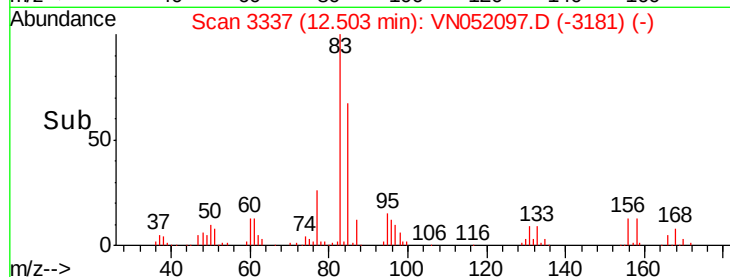
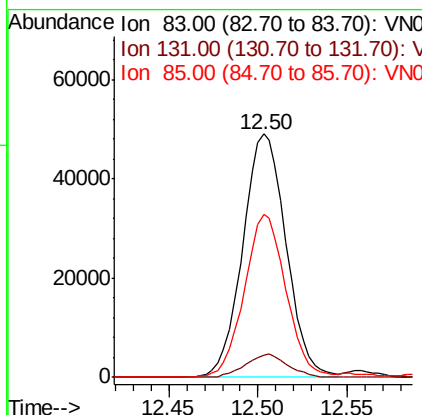
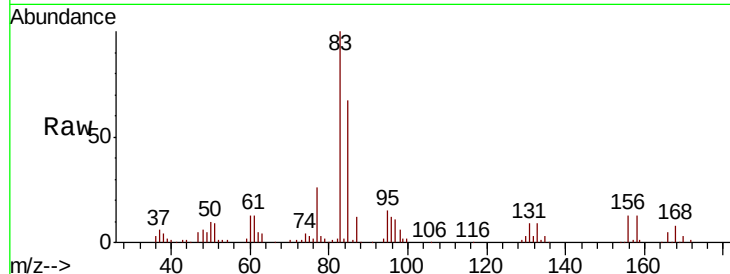




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.299 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

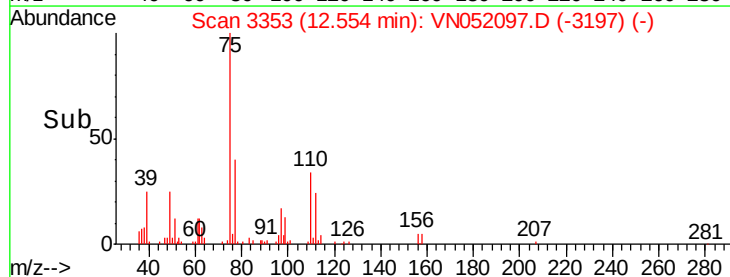
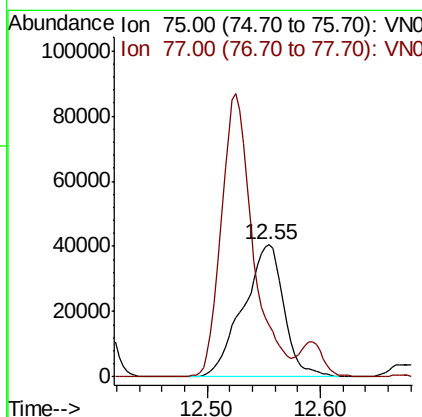
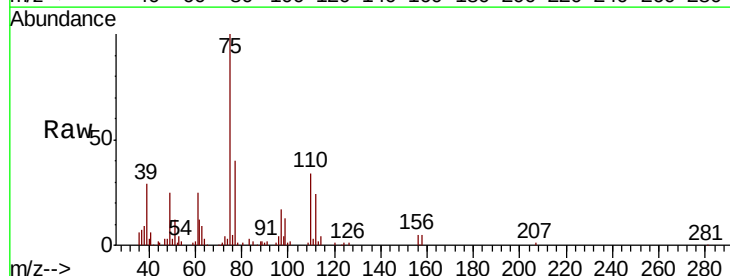
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

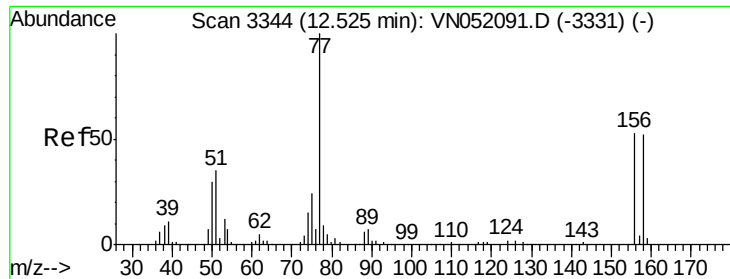
Tgt Ion: 83 Resp: 83524
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.8 14.3
 85 64.2 32.7 98.1



#72
 1,2,3-Trichloropropane
 Concen: 28.118 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion: 75 Resp: 101726
 Ion Ratio Lower Upper
 75 100
 77 166.3 0.0 481.8





#73

Bromobenzene

Concen: 19.523 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampled :

VN1101WBS01

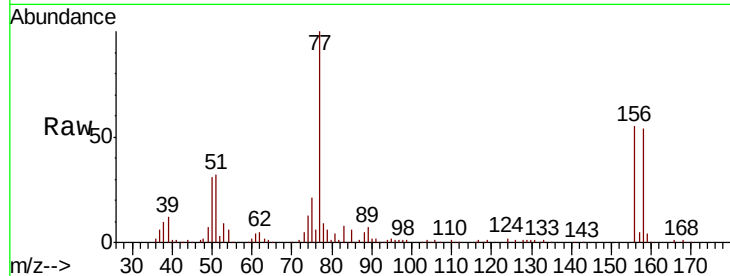
Tgt Ion:156 Resp: 80926

Ion Ratio Lower Upper

156 100

77 209.0 0.0 428.0

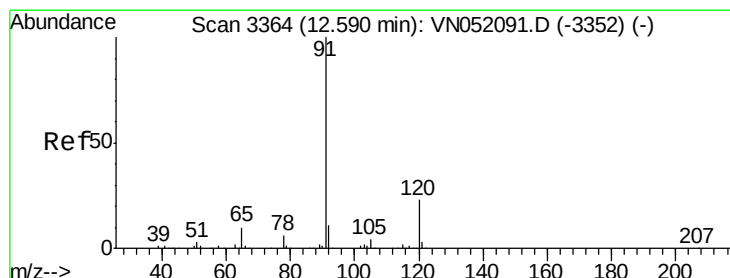
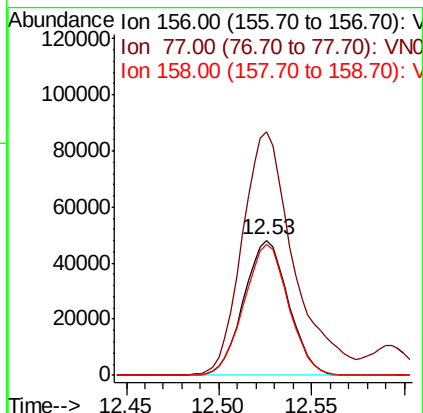
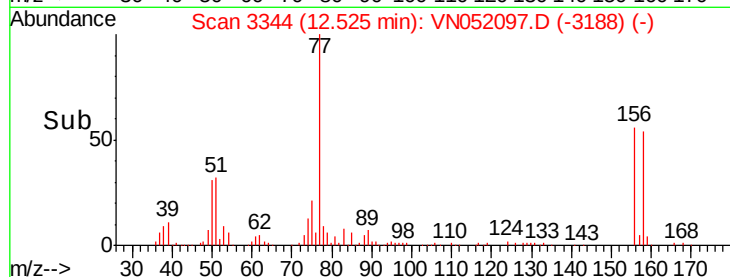
158 96.8 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.563 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052097.D

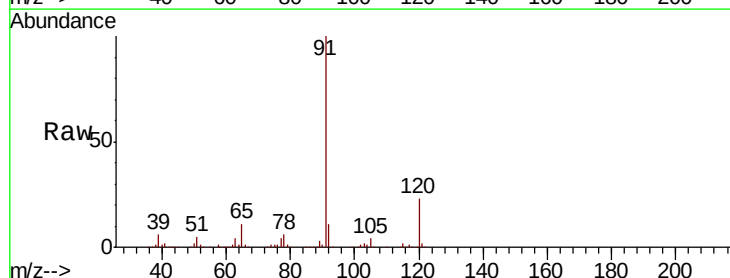
Acq: 1 Nov 2018 12:27

Tgt Ion: 91 Resp: 426167

Ion Ratio Lower Upper

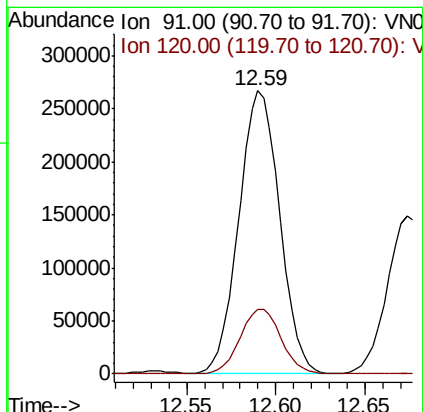
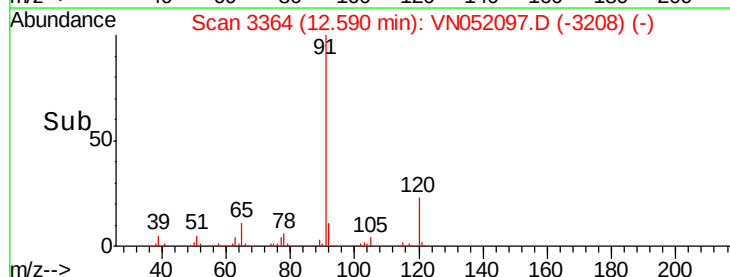
91 100

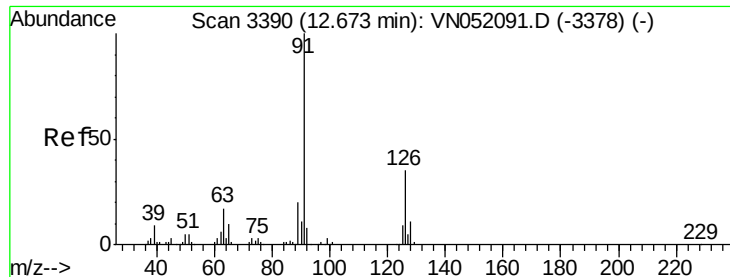
120 23.1 0.0 44.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.754 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampled :

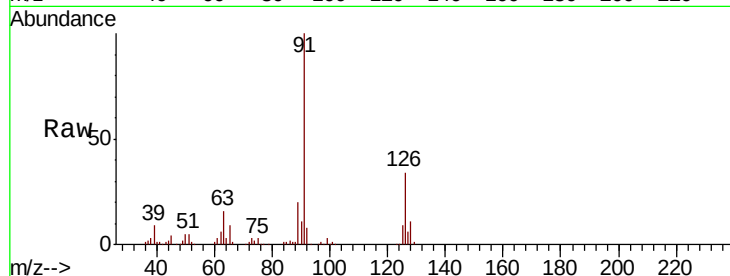
VN1101WBS01

Tgt Ion: 91 Resp: 248098

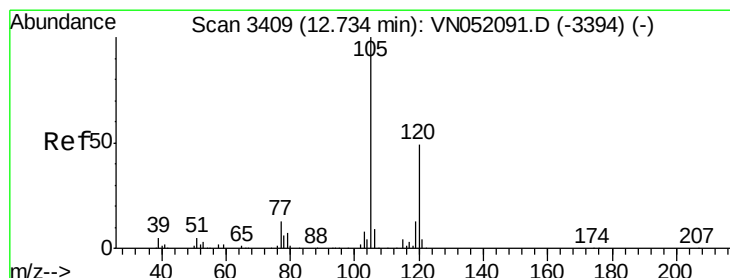
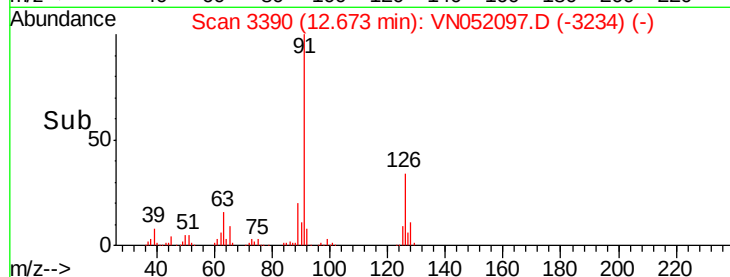
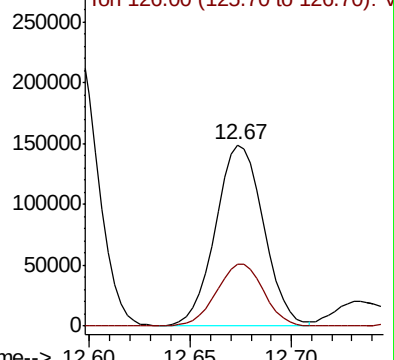
Ion Ratio Lower Upper

91 100

126 33.9 0.0 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN052097.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.965 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052097.D

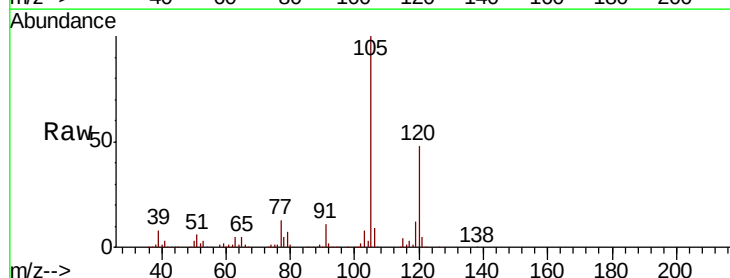
Acq: 1 Nov 2018 12:27

Tgt Ion: 105 Resp: 299493

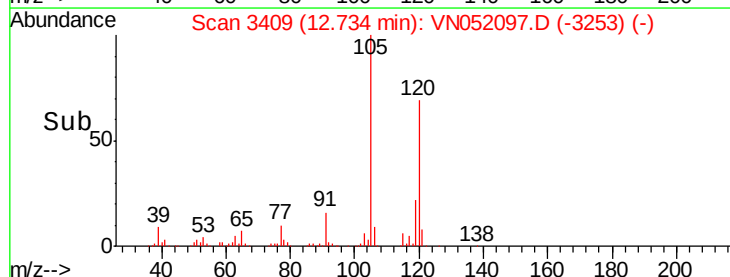
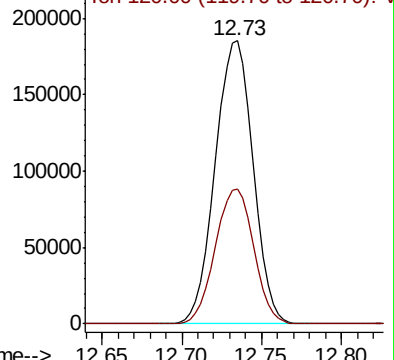
Ion Ratio Lower Upper

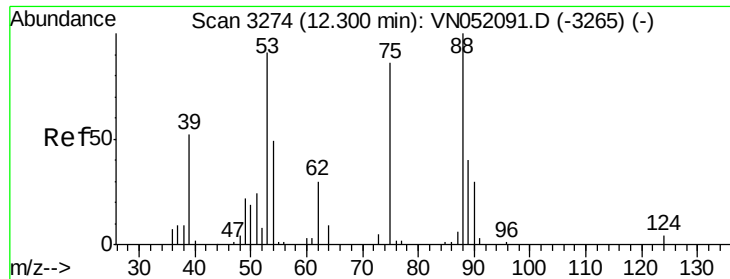
105 100

120 48.3 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN052097.D (-3394) (-)

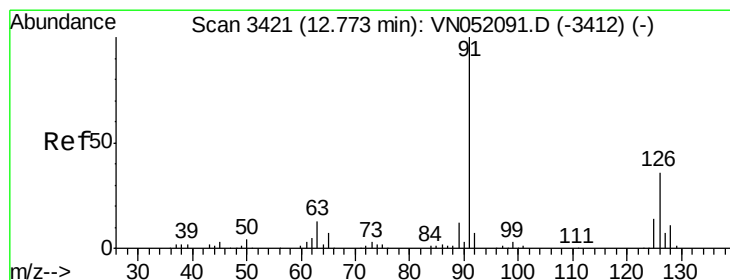
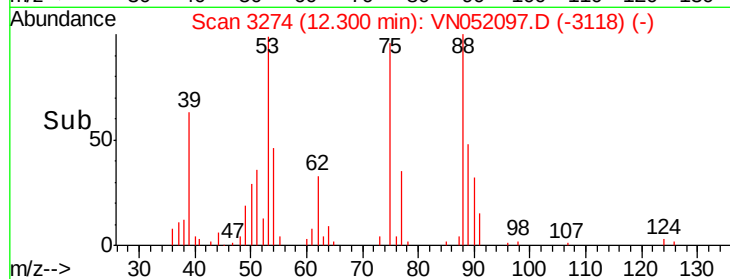
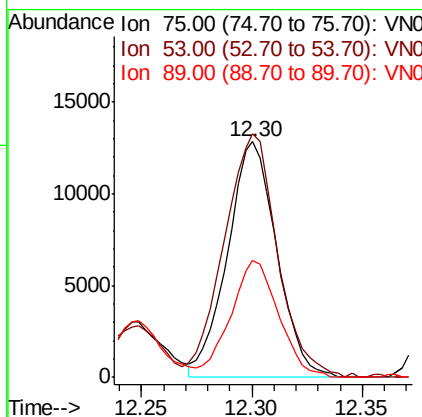
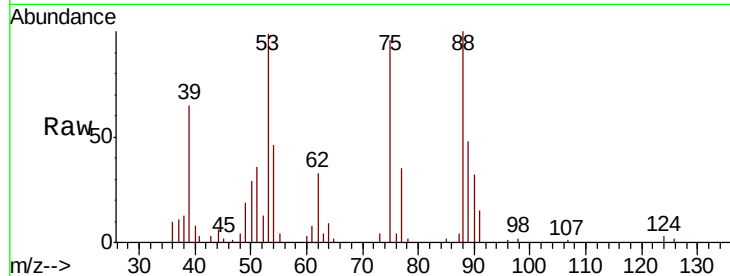




#77
t-1,4-Dichloro-2-butene
Concen: 17.601 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

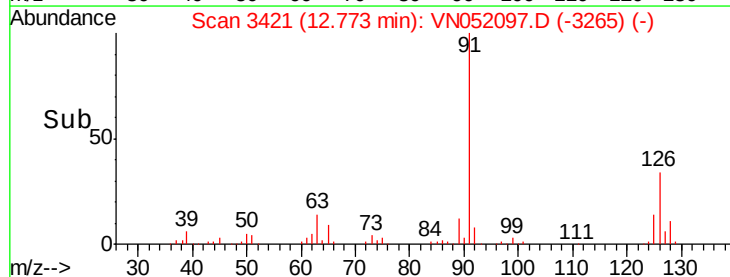
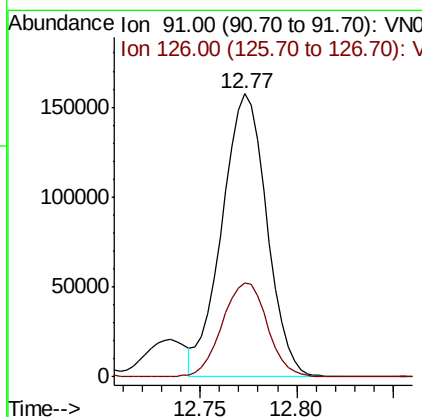
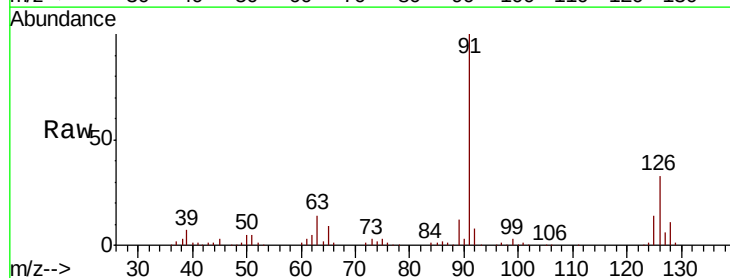
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

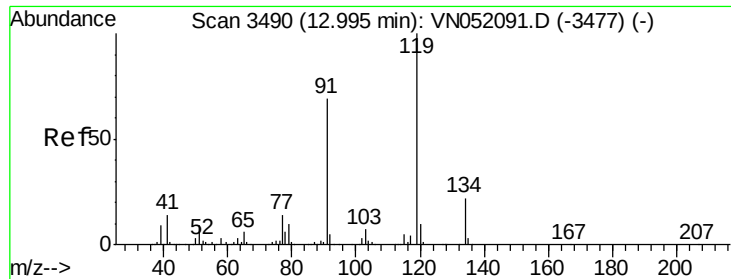
Tgt Ion: 75 Resp: 19925
Ion Ratio Lower Upper
75 100
53 101.5 50.7 152.1
89 49.8 23.8 71.5



#78
4-Chlorotoluene
Concen: 20.000 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion: 91 Resp: 252956
Ion Ratio Lower Upper
91 100
126 33.7 0.0 68.0

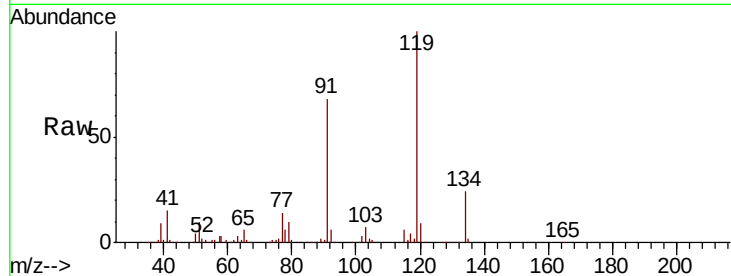




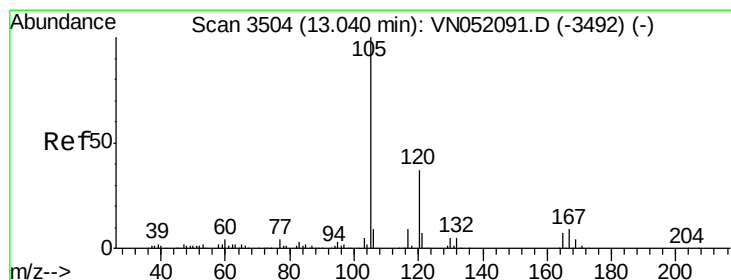
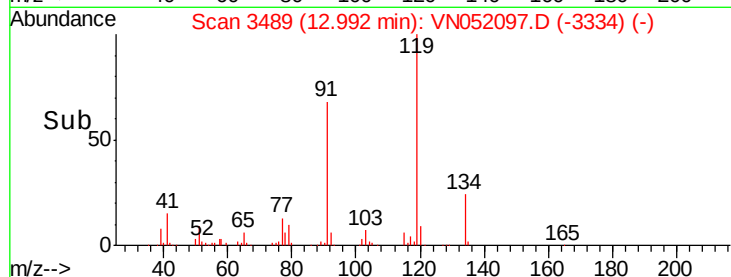
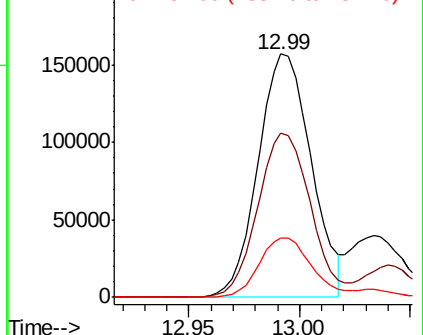
#79
tert-butylbenzene
Concen: 20.054 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:119 Resp: 262049
Ion Ratio Lower Upper
119 100
91 66.7 0.0 131.2
134 24.1 0.0 45.8

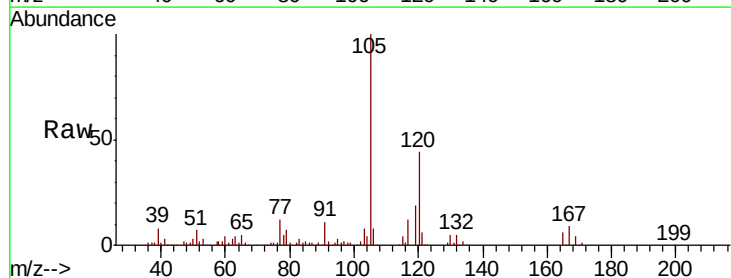


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

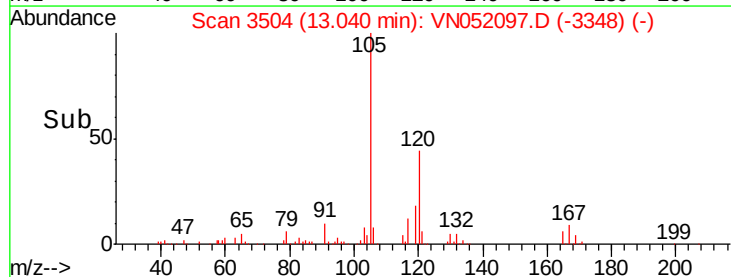
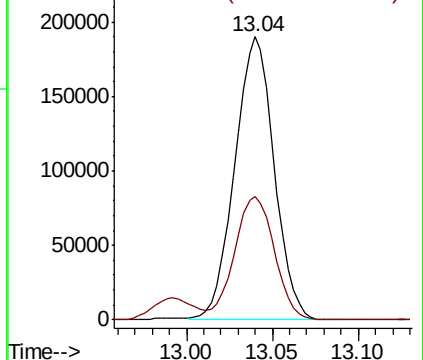


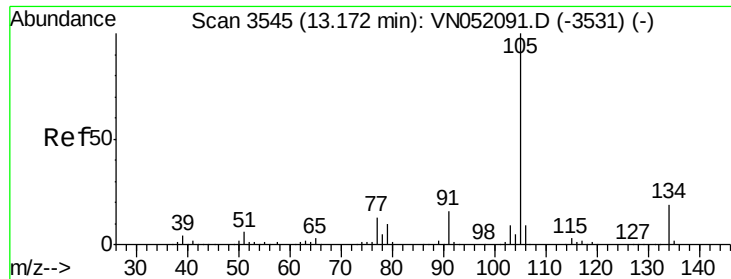
#80
1,2,4-Trimethylbenzene
Concen: 20.265 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052097.D
Acq: 1 Nov 2018 12:27

Tgt Ion:105 Resp: 302837
Ion Ratio Lower Upper
105 100
120 44.1 0.0 89.4



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

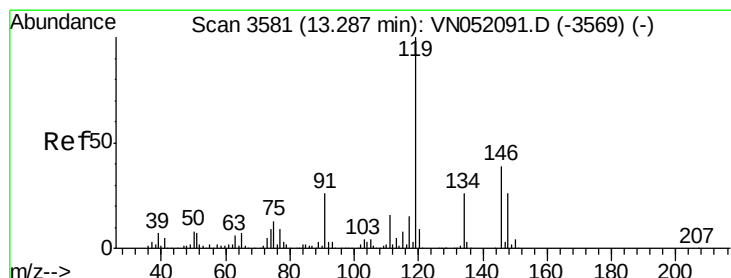
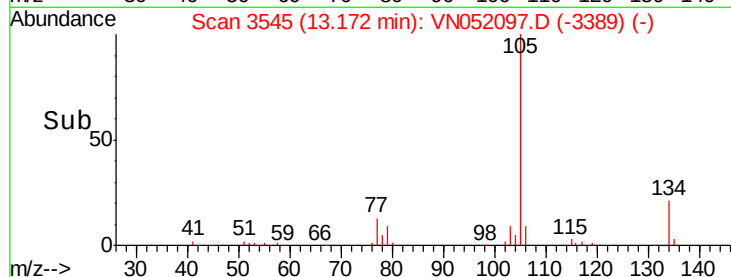
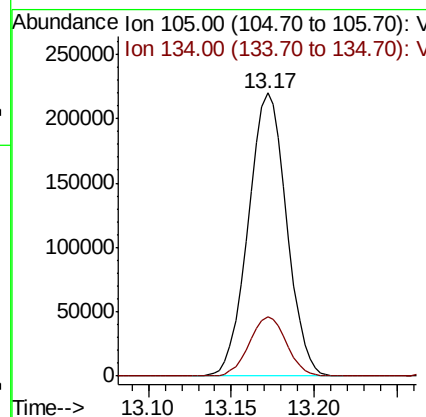
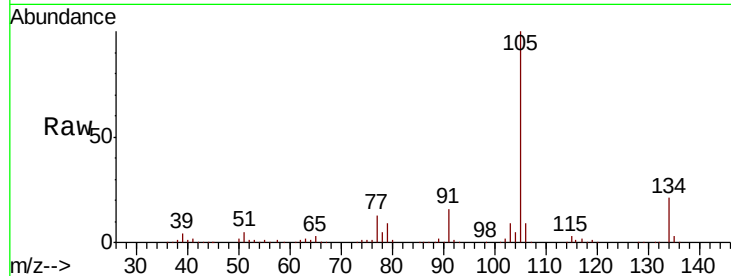




#81
 sec-Butylbenzene
 Concen: 19.577 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

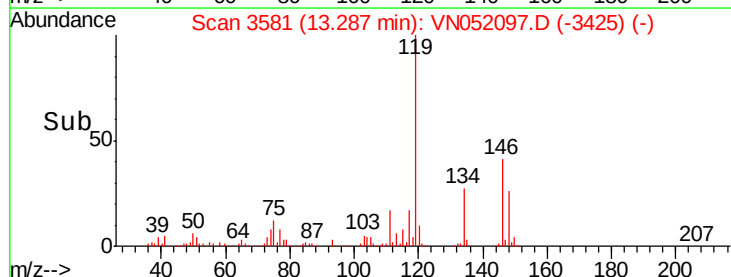
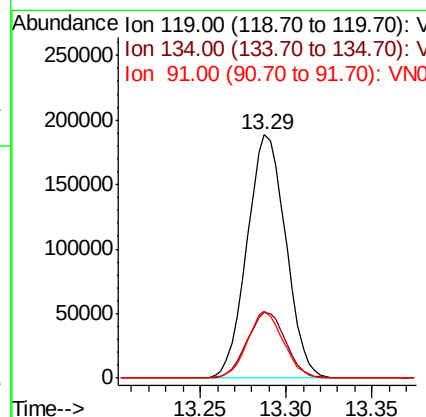
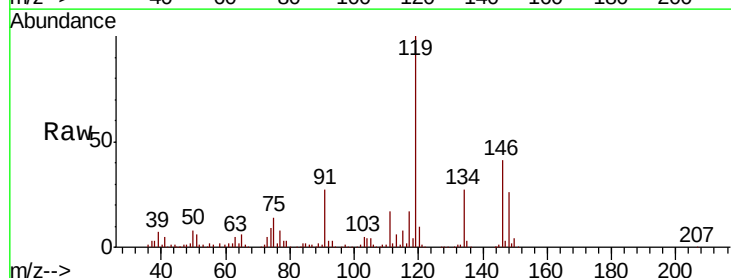
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

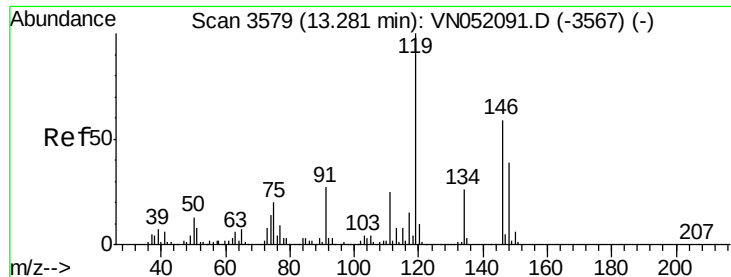
Tgt Ion:105 Resp: 352054
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 38.6



#82
 p-Isopropyltoluene
 Concen: 19.415 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion:119 Resp: 295048
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 52.0
 91 25.5 0.0 50.8

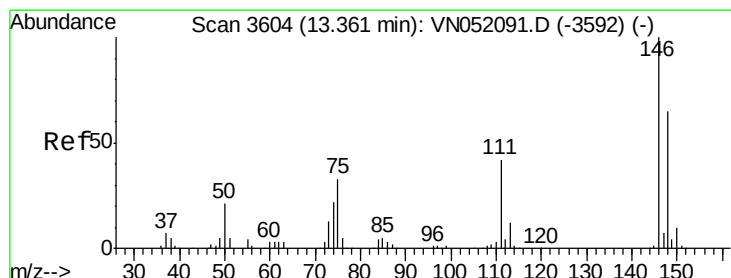
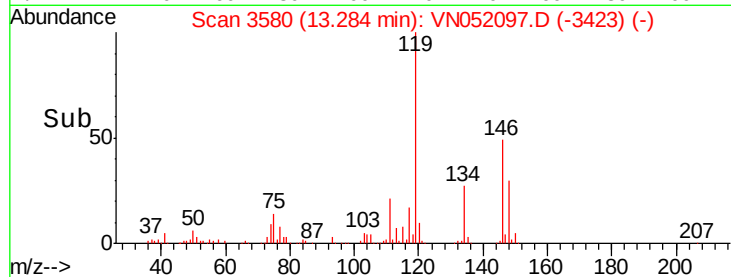
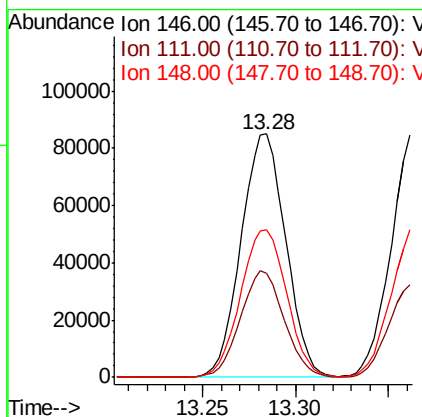
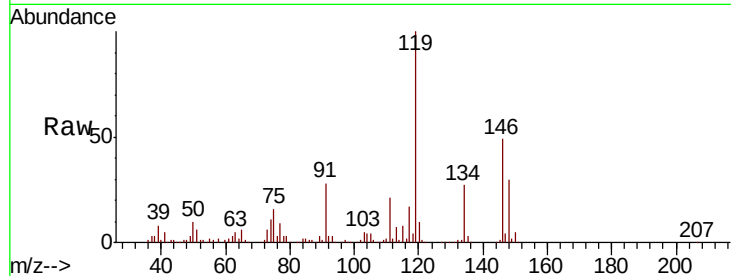




#83
 1,3-Dichlorobenzene
 Concen: 19.387 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

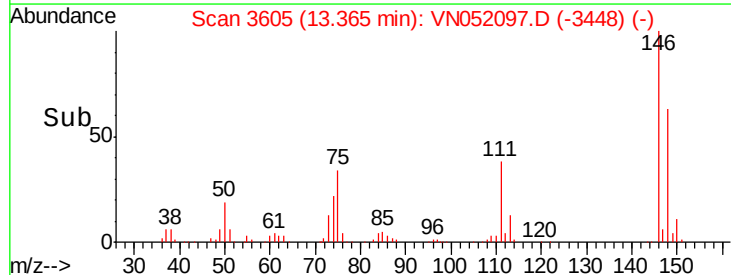
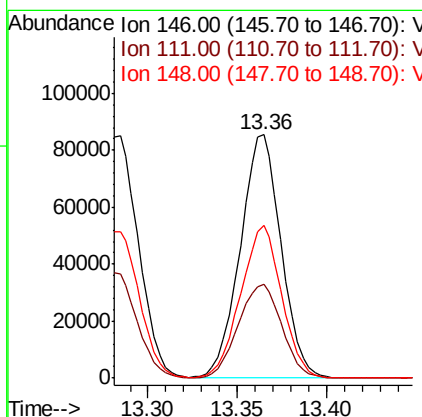
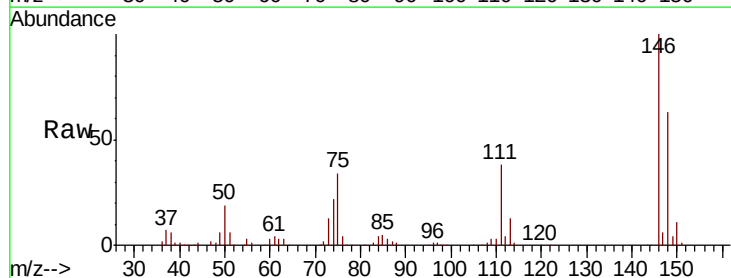
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

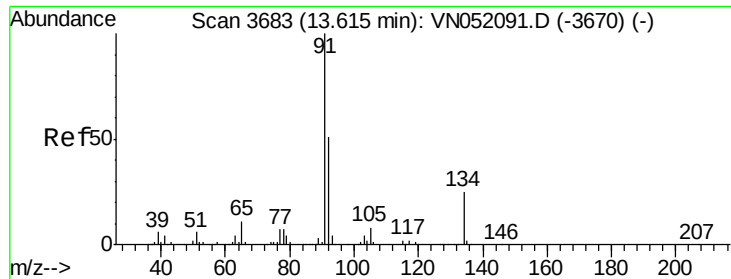
Tgt Ion:146 Resp: 142151
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.0 63.0
 148 62.6 33.4 100.2



#84
 1,4-Dichlorobenzene
 Concen: 18.916 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion:146 Resp: 137297
 Ion Ratio Lower Upper
 146 100
 111 40.9 21.4 64.2
 148 62.8 32.6 98.0





#85

n-Butylbenzene

Concen: 19.839 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBS01

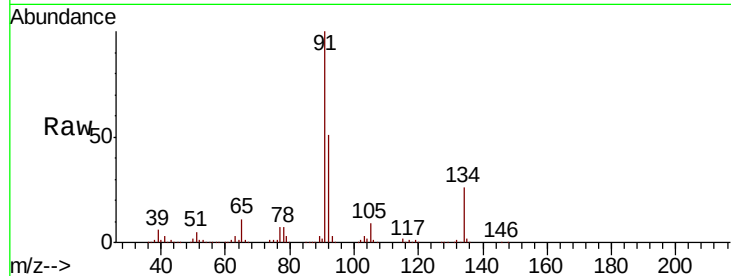
Tgt Ion: 91 Resp: 260943

Ion Ratio Lower Upper

91 100

92 51.0 0.0 102.8

134 24.8 0.0 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN052091.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN052091.D (-3670) (-)

13.62

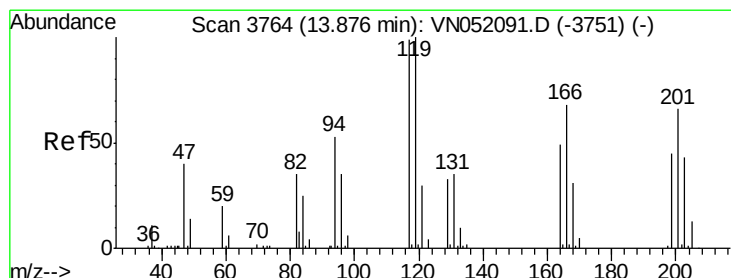
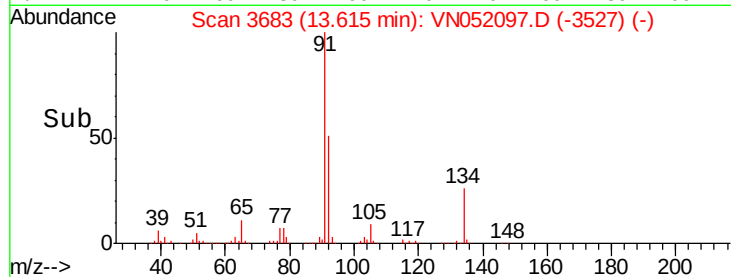
150000

100000

50000

0

Time--> 13.55 13.60 13.65



#86

Hexachloroethane

Concen: 17.772 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN052097.D

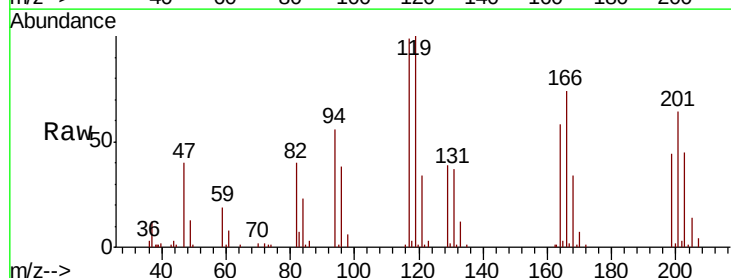
Acq: 1 Nov 2018 12:27

Tgt Ion: 117 Resp: 45576

Ion Ratio Lower Upper

117 100

201 65.9 32.2 96.6



Abundance Ion 117.00 (116.70 to 117.70): VN052091.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN052091.D (-3751) (-)

13.87

30000

25000

20000

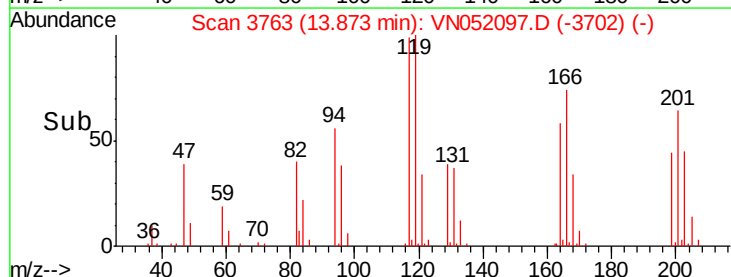
15000

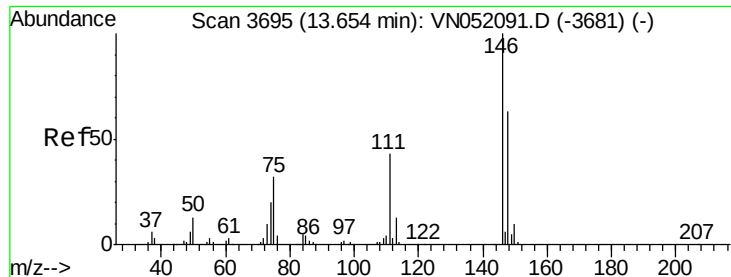
10000

5000

0

Time--> 13.80 13.85 13.90

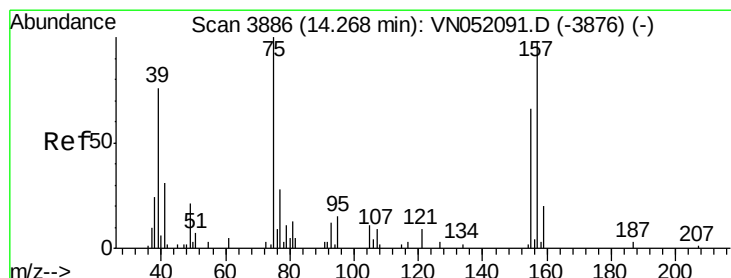
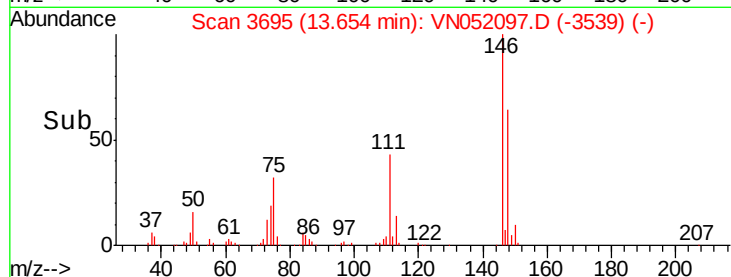
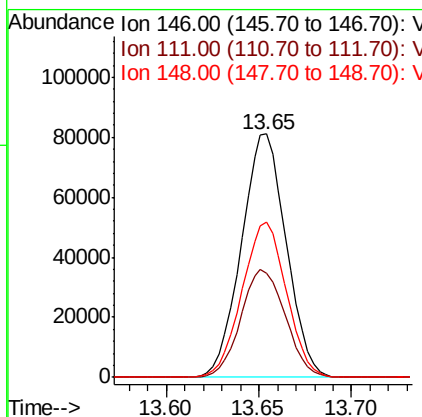
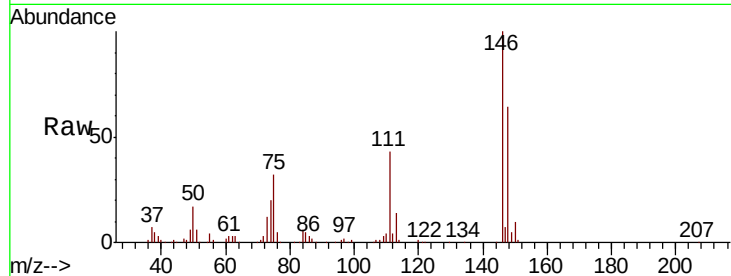




#87
 1,2-Dichlorobenzene
 Concen: 19.555 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

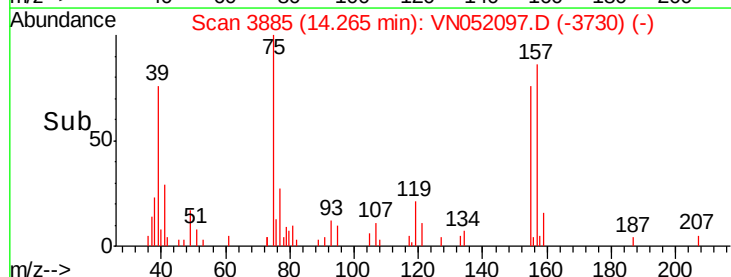
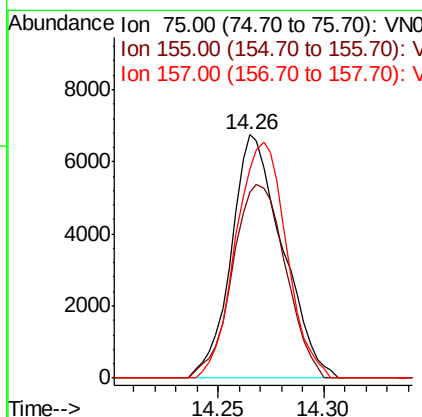
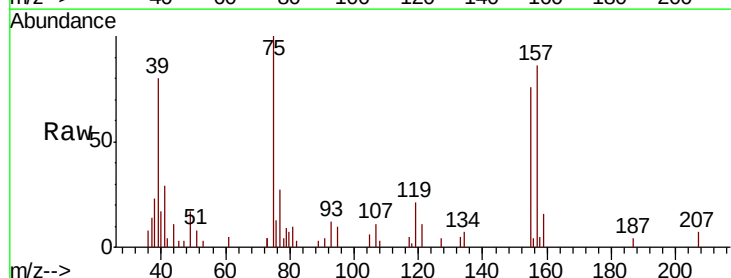
Instrument :
 MSVOA_N
 ClientSampled :
 VN1101WBS01

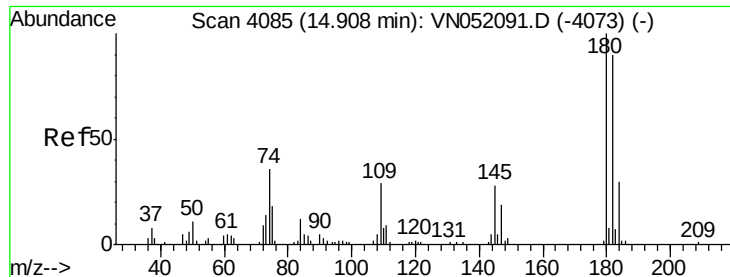
Tgt Ion:146 Resp: 136225
 Ion Ratio Lower Upper
 146 100
 111 44.0 22.4 67.0
 148 63.1 32.5 97.4



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.156 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion: 75 Resp: 11341
 Ion Ratio Lower Upper
 75 100
 155 83.0 56.7 85.1
 157 96.0 80.4 120.6

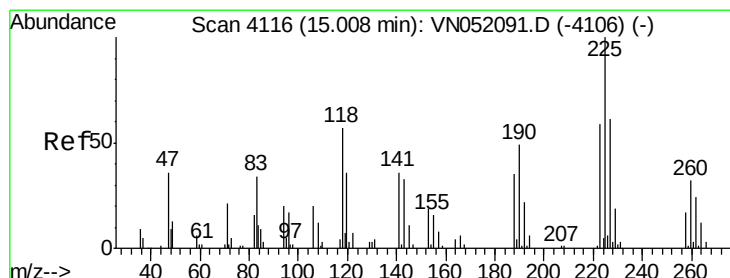
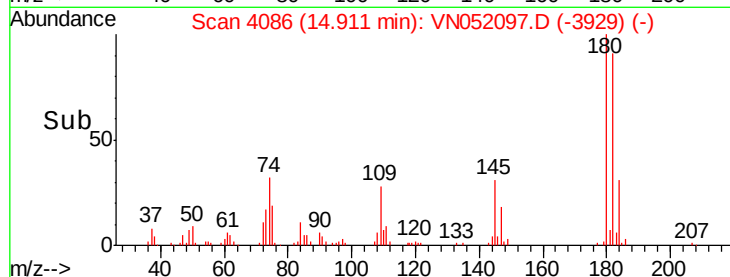
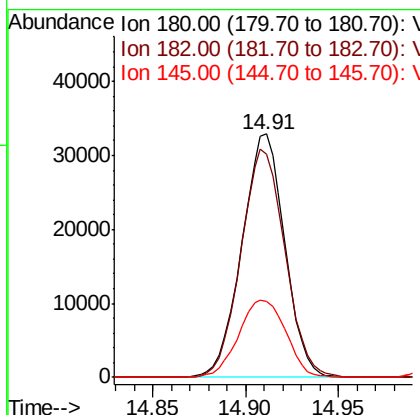
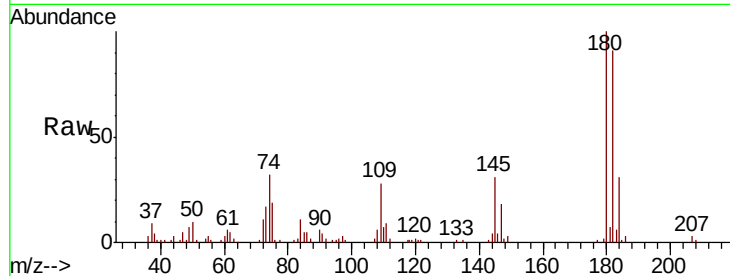




#89
 1,2,4-Trichlorobenzene
 Concen: 18.698 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

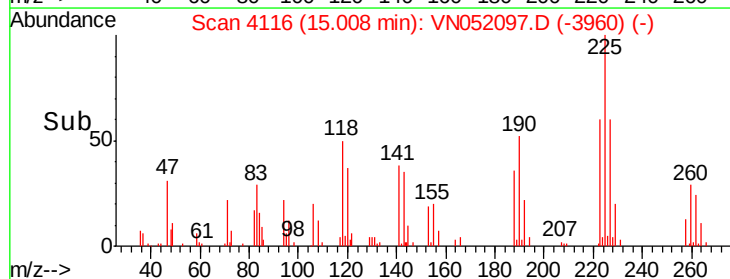
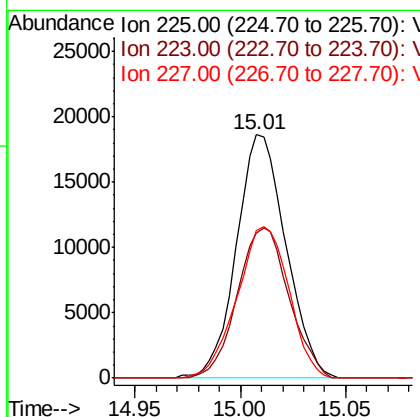
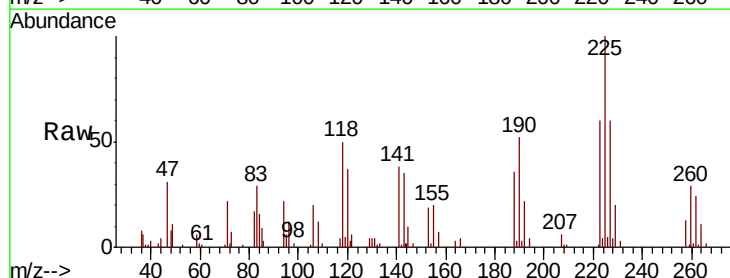
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBS01

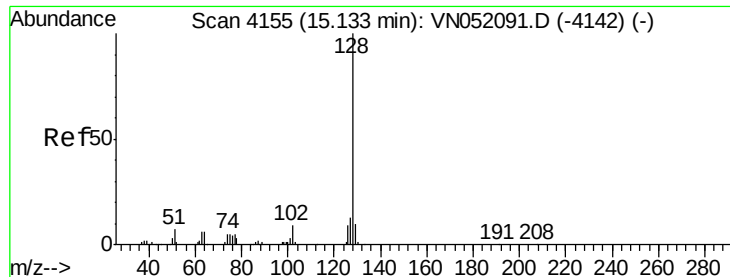
Tgt Ion:180 Resp: 52875
 Ion Ratio Lower Upper
 180 100
 182 95.9 74.0 111.0
 145 35.0 24.6 36.8



#90
 Hexachlorobutadiene
 Concen: 19.597 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052097.D
 Acq: 1 Nov 2018 12:27

Tgt Ion:225 Resp: 30319
 Ion Ratio Lower Upper
 225 100
 223 64.5 0.0 121.2
 227 65.3 0.0 127.2





#91

Naphthalene

Concen: 20.291 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

Instrument :

MSVOA_N

ClientSampled :

VN1101WBS01

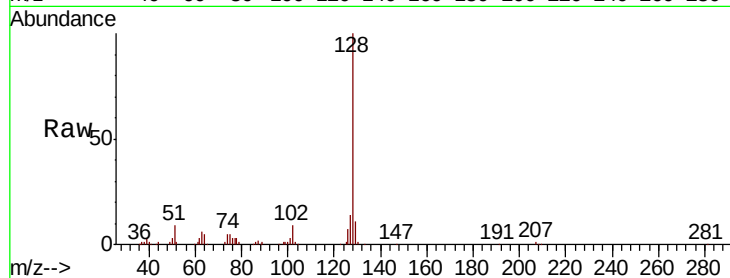
Tgt Ion:128 Resp: 132252

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.4 8.3 12.5

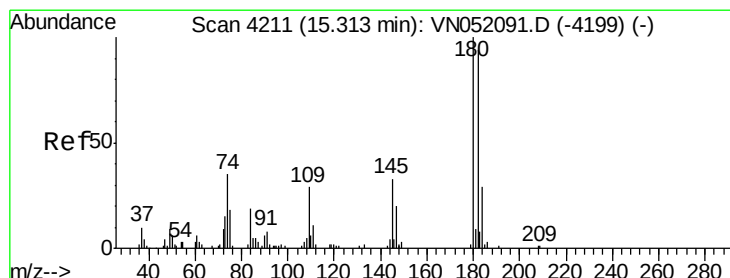
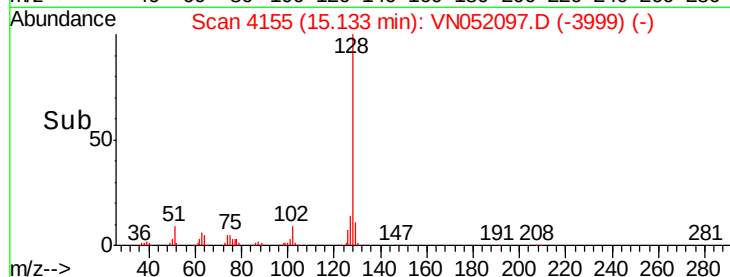
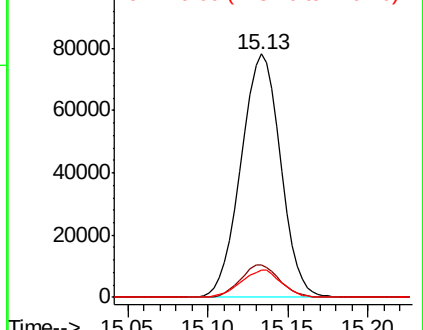


Abundance

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: 19.845 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052097.D

Acq: 1 Nov 2018 12:27

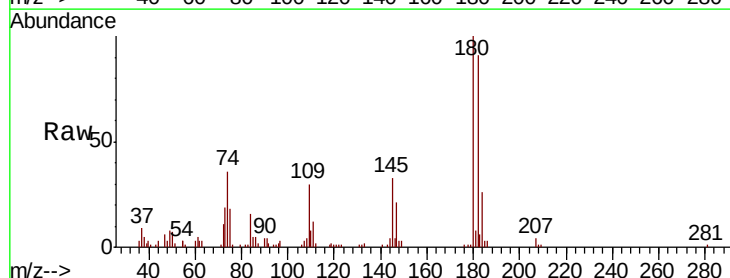
Tgt Ion:180 Resp: 48910

Ion Ratio Lower Upper

180 100

182 94.0 0.0 186.6

145 32.0 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

