

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052016.D
 Acq On : 25 Oct 2018 17:50
 Operator : MD\SY
 Sample : VN1025WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Quant Time: Oct 26 01:03:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	179193	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1006671	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	896506	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	301184	27.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	92.07%
60) 4-Bromofluorobenzene	12.40	95	370354	28.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.50%
63) Toluene-d8	10.09	98	1153603	29.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	149686	21.501	ug/l 100
3) Chloromethane	2.06	50	133158	18.098	ug/l 99
4) Vinyl Chloride	2.19	62	168861	15.368	ug/l 99
5) Bromomethane	2.58	94	171009	17.615	ug/l 88
6) Chloroethane	2.71	64	129598	16.366	ug/l 99
7) Trichlorofluoromethane	3.02	101	325385	20.772	ug/l 94
8) Diethyl Ether	3.41	74	93107	20.417	ug/l 70
9) 1,1,2-Trichlorotrifluoroet	3.77	101	199051	22.313	ug/l # 39
10) 1,1-Dichloroethene	3.74	96	177330	21.494	ug/l # 82
11) Methyl Iodide	3.96	142	304258	25.369	ug/l 96
12) Methyl Acetate	4.33	43	105404	20.574	ug/l 91
13) Acrolein	3.61	56	15707	46.533	ug/l 98
14) Acrylonitrile	4.99	53	230711	100.760	ug/l # 60
15) Acetone	3.82	58	54193	95.744	ug/l 97
16) Carbon Disulfide	4.06	76	382278	17.643	ug/l 98
17) Allyl chloride	4.33	41	163284	16.670	ug/l 66
18) Methylene Chloride	4.55	84	201219	21.813	ug/l # 85
19) trans-1,2-Dichloroethene	5.05	96	203094	21.559	ug/l # 80
20) Diisopropyl ether	5.95	45	427796	19.611	ug/l # 84
21) 1,1-Dichloroethane	5.86	63	313866	20.591	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	241077	21.787	ug/l # 77
23) tert-Butyl Alcohol	4.78	59	43141	71.539	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	455442	19.161	ug/l # 66
25) Chloroform	7.37	83	387003	21.401	ug/l 100
26) Cyclohexane	7.66	56	243246	18.823	ug/l # 66
29) 1,1-Dichloropropene	7.80	75	265825	20.486	ug/l 93
30) 2-Butanone	6.84	43	247369	91.208	ug/l # 84
31) 2,2-Dichloropropane	6.83	77	275628	18.056	ug/l # 75
32) 1,1,1-Trichloroethane	7.57	97	346184	20.123	ug/l 94
33) Carbon Tetrachloride	7.78	117	311990	20.045	ug/l 91
34) Benzene	8.04	78	820985	21.389	ug/l # 65
35) Methacrylonitrile	7.18	41	49125	13.786	ug/l 73
36) 1,2-Dichloroethane	8.13	62	252954	20.568	ug/l # 95
37) Trichloroethene	8.84	130	258904	21.729	ug/l 95
38) Methylcyclohexane	9.08	83	316084	18.992	ug/l 77
39) 1,2-Dichloropropane	9.12	63	184156	20.373	ug/l 97
40) Dibromomethane	9.21	93	144855	21.592	ug/l 92

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Quant Time: Oct 26 01:03:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	275110	19.853	ug/l	98
42) Vinyl Acetate	5.90	43	1408586	92.260	ug/l #	88
43) Ethyl Acetate	6.93	43	113131	19.210	ug/l	97
44) Isopropyl Acetate	8.17	43	216916	18.441	ug/l	96
45) 1,4-Dioxane	9.20	88	27498	291.138	ug/l #	77
46) Methyl methacrylate	9.20	41	102261	18.848	ug/l	63
47) n-amyl Acetate	12.25	43	3120	0.317	ug/l	94
48) t-1,3-Dichloropropene	10.38	75	249748	18.482	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	288995	19.400	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	201365	21.724	ug/l	94
51) Ethyl methacrylate	10.43	69	203405	19.167	ug/l	83
52) 1,3-Dichloropropane	10.71	76	299411	20.929	ug/l	96
53) Dibromochloromethane	10.90	129	225029	19.624	ug/l	95
54) 1,2-Dibromoethane	11.00	107	202564	20.820	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	518428	114.276	ug/l #	90
56) Bromoform	12.13	173	131539	17.393	ug/l #	92
58) 4-Methyl-2-Pentanone	9.98	43	577163	96.204	ug/l #	85
59) 2-Hexanone	10.75	43	380902	94.110	ug/l #	87
61) Tetrachloroethene	10.63	164	245111	21.379	ug/l	97
62) Toluene	10.16	91	966231	21.695	ug/l	98
64) Chlorobenzene	11.43	112	648954	22.249	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	242815	21.688	ug/l	100
66) Ethyl Benzene	11.51	91	1040217	21.133	ug/l	98
67) m/p-Xylenes	11.62	106	849741	42.581	ug/l	93
68) o-Xylene	11.95	106	412785	20.982	ug/l	87
69) Styrene	11.96	104	652566	21.620	ug/l	94
70) Isopropylbenzene	12.25	105	1092934	20.833	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	201747	19.473	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	237704	29.165	ug/l	80
73) Bromobenzene	12.53	156	295252	22.721	ug/l	76
74) n-propylbenzene	12.59	91	1160040	20.557	ug/l	93
75) 2-Chlorotoluene	12.67	91	678538	20.510	ug/l	89
76) 1,3,5-Trimethylbenzene	12.73	105	881104	20.310	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	42323	15.701	ug/l	99
78) 4-Chlorotoluene	12.77	91	681078	20.953	ug/l	86
79) tert-butylbenzene	12.99	119	808333	20.261	ug/l	93
80) 1,2,4-Trimethylbenzene	13.04	105	888805	20.499	ug/l	95
81) sec-Butylbenzene	13.17	105	1044708	20.017	ug/l	95
82) p-Isopropyltoluene	13.29	119	936073	20.044	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	518995	22.635	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	490234	22.711	ug/l	98
85) n-Butylbenzene	13.61	91	682624	19.383	ug/l	95
86) Hexachloroethane	13.87	117	131719	16.357	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	477927	21.530	ug/l	94
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21144	13.666	ug/l #	54
89) 1,2,4-Trichlorobenzene	14.91	180	174363	19.629	ug/l	99
90) Hexachlorobutadiene	15.01	225	119128	16.653	ug/l	96
91) Naphthalene	15.13	128	329821	19.396	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	144811	14.338	ug/l	92

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ALS Vial : 20 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Quant Time: Oct 26 01:03:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

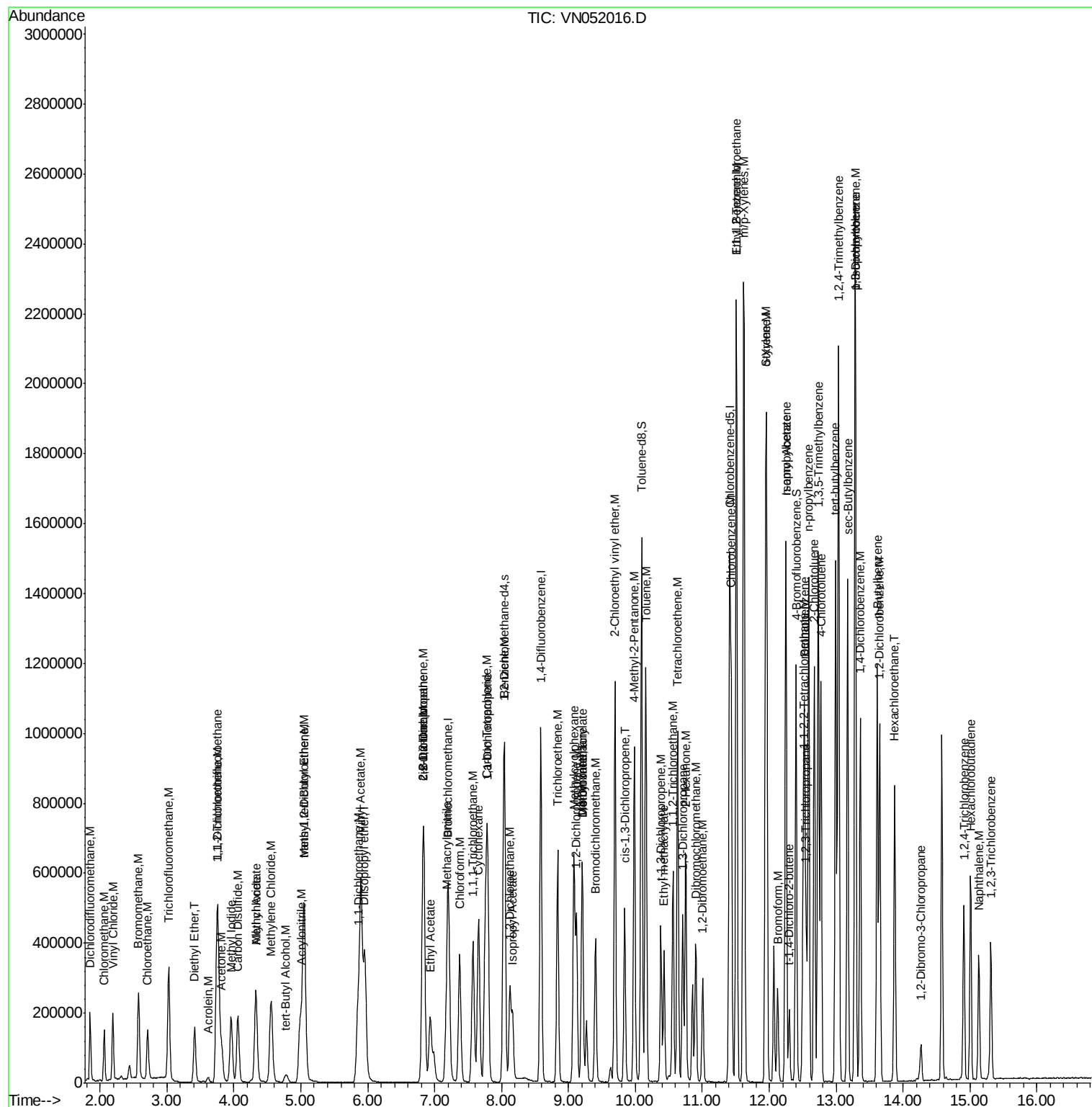
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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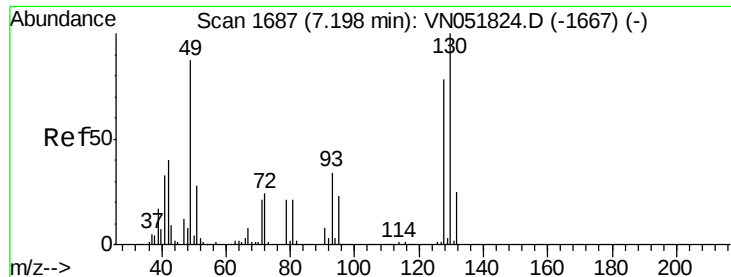
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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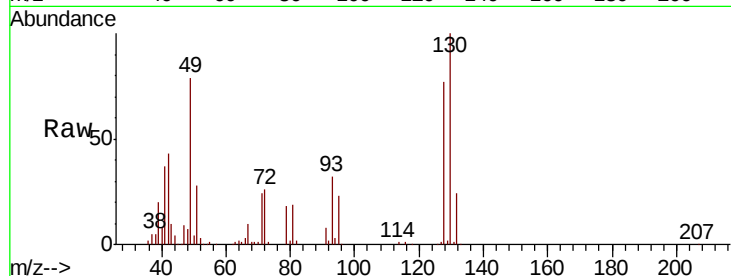




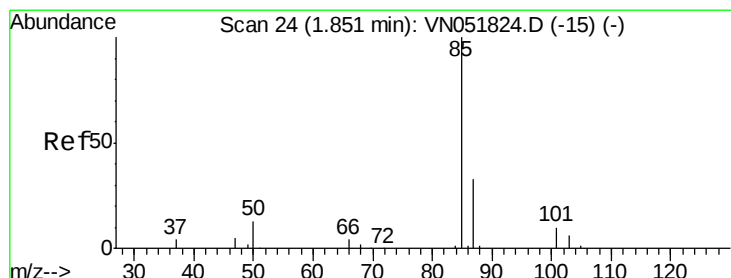
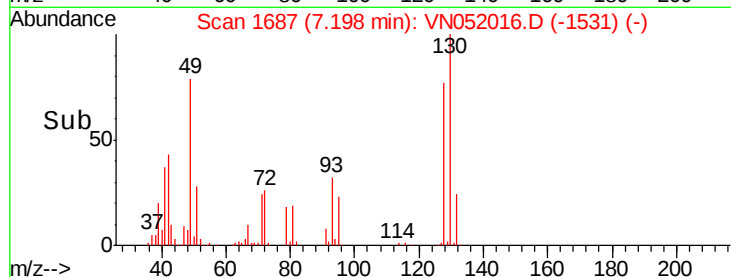
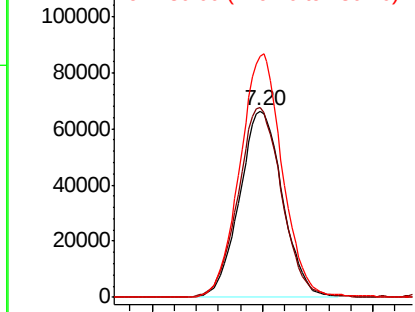
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Instrument :
MSVOA_N
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VN1025WBSD02

Tot Ion:128 Resp: 179193
Ion Ratio Lower Upper
128 100
49 103.7 0.0 403.3
130 128.9 0.0 326.0

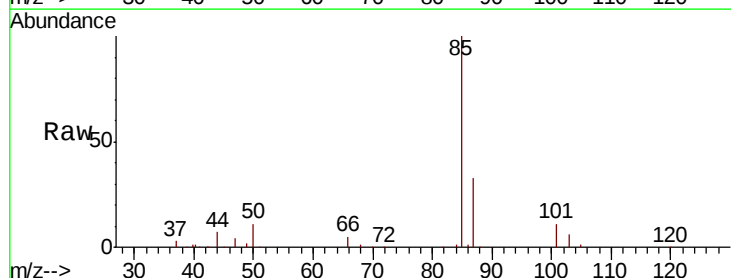


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

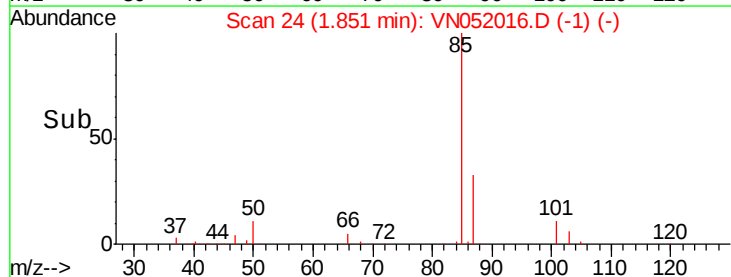
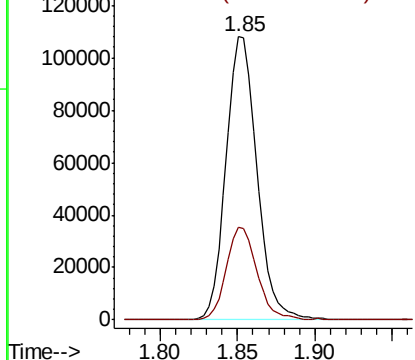


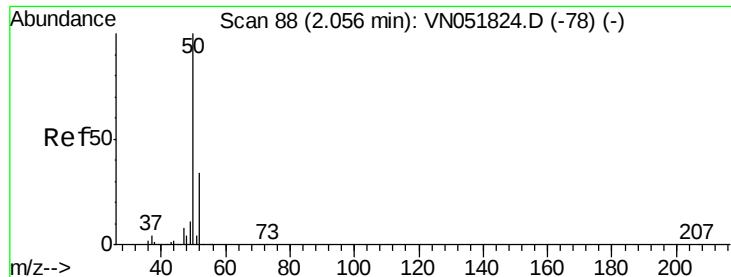
#2
Dichlorodifluoromethane
Concen: 21.501 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion: 85 Resp: 149686
Ion Ratio Lower Upper
85 100
87 32.6 16.3 48.8



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





#3

Chloromethane

Concen: 18.098 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

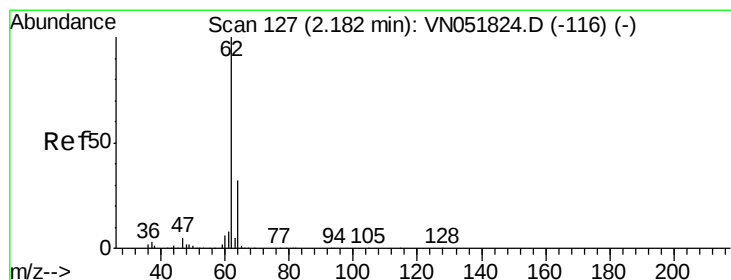
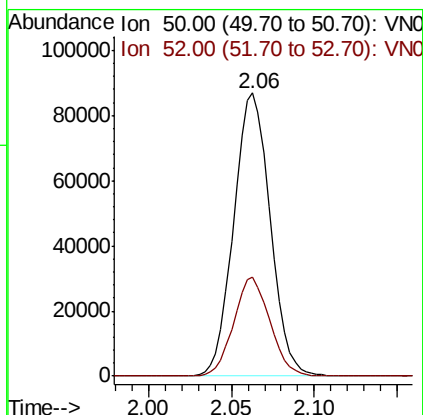
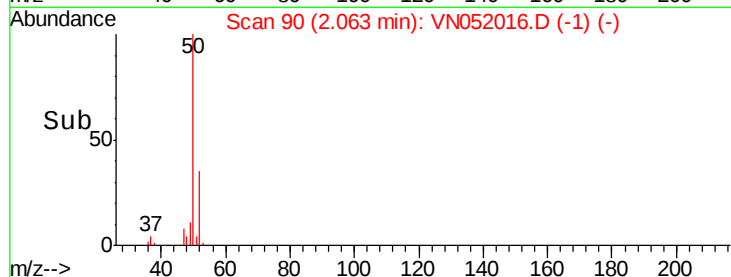
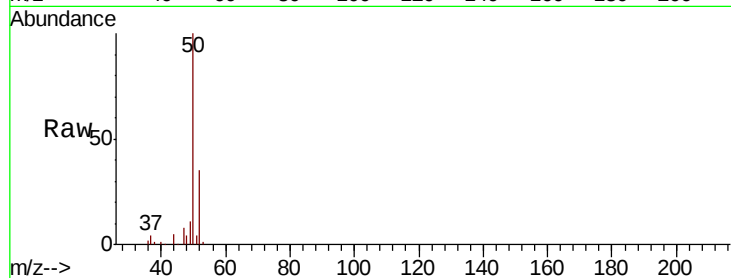
VN1025WBSD02

Tot Ion: 50 Resp: 133158

Ion Ratio Lower Upper

50 100

52 34.8 27.2 40.8



#4

Vinyl Chloride

Concen: 15.368 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN052016.D

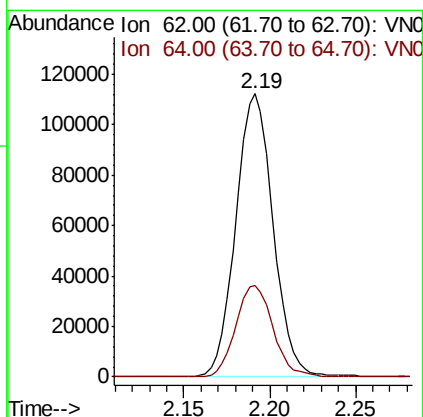
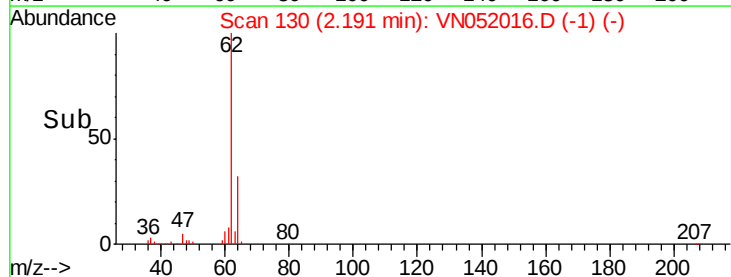
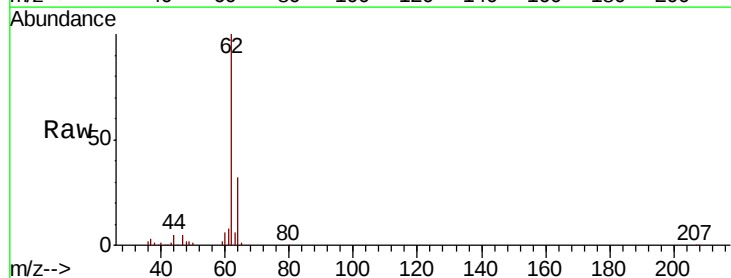
Acq: 25 Oct 2018 17:50

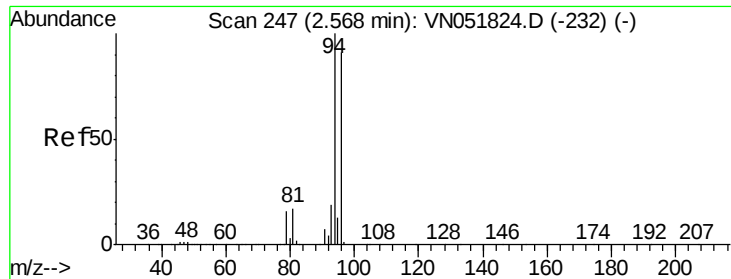
Tgt Ion: 62 Resp: 168861

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 17.615 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

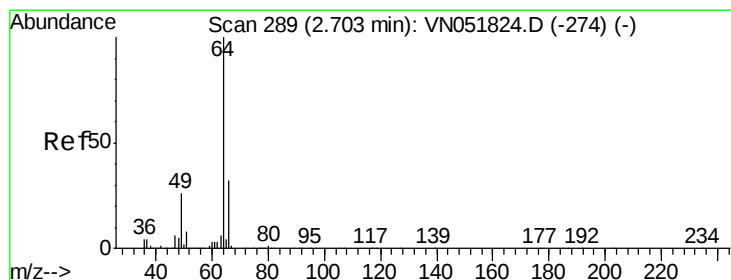
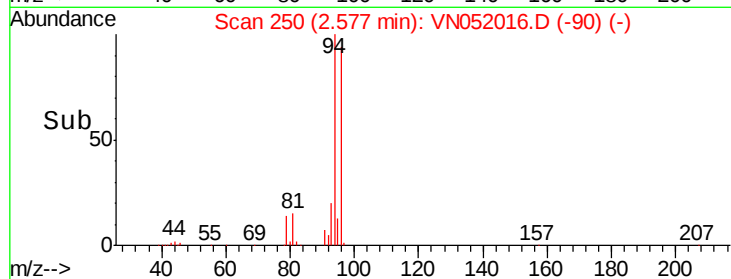
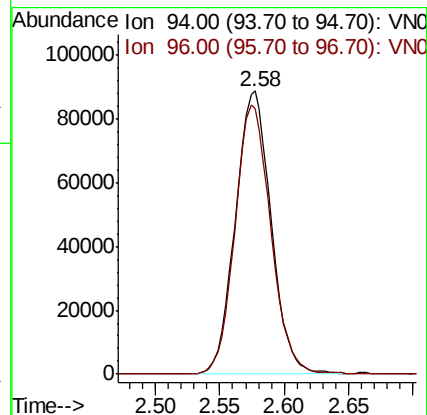
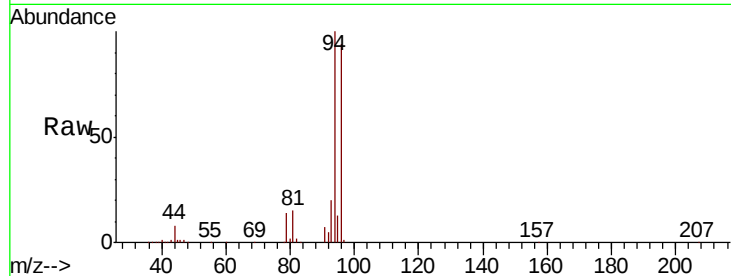
VN1025WBSD02

Tot Ion: 94 Resp: 171009

Ion Ratio Lower Upper

94 100

96 93.6 66.4 99.6



#6

Chloroethane

Concen: 16.366 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN052016.D

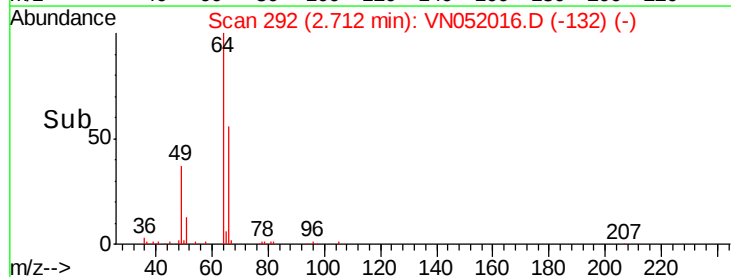
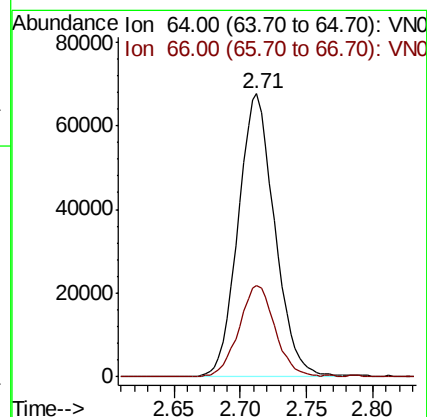
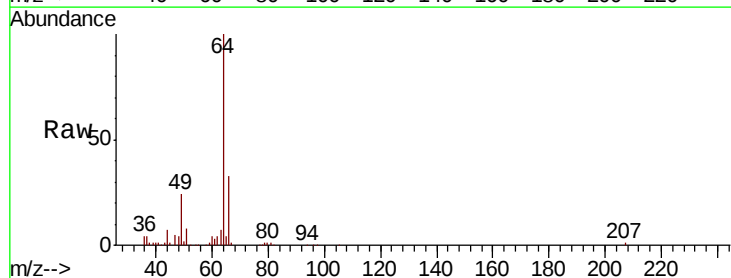
Acq: 25 Oct 2018 17:50

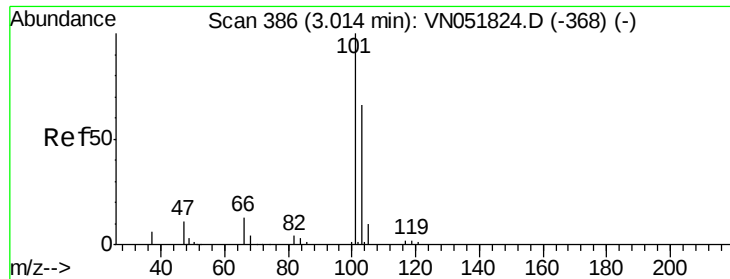
Tgt Ion: 64 Resp: 129598

Ion Ratio Lower Upper

64 100

66 32.5 25.8 38.6



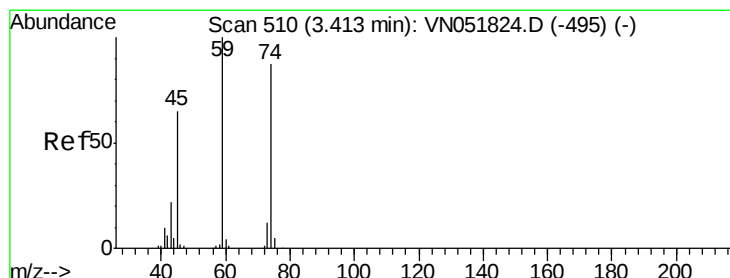
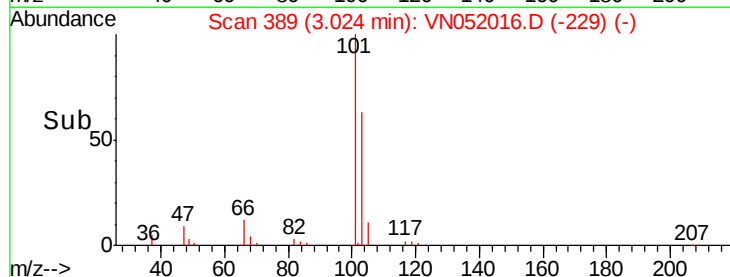
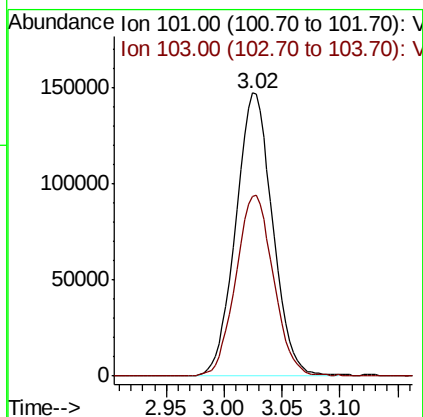
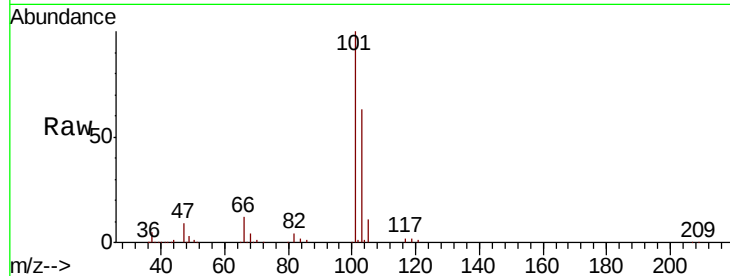


#7

Trichlorofluoromethane
Concen: 20.772 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

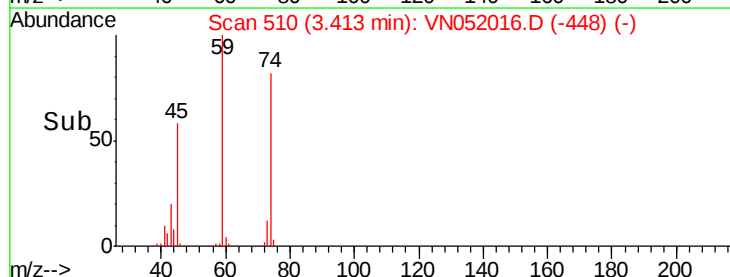
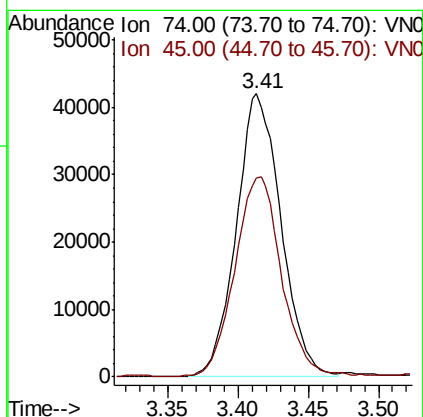
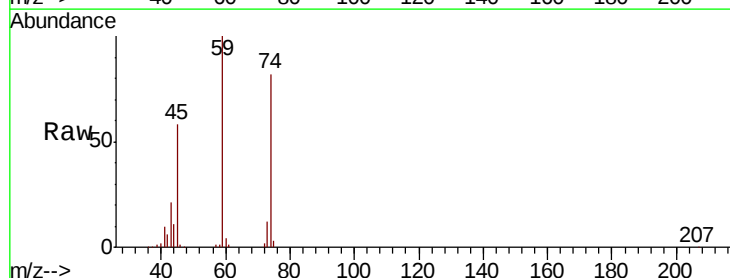
Tot Ion:101 Resp: 325385
Ion Ratio Lower Upper
101 100
103 63.4 54.8 82.2

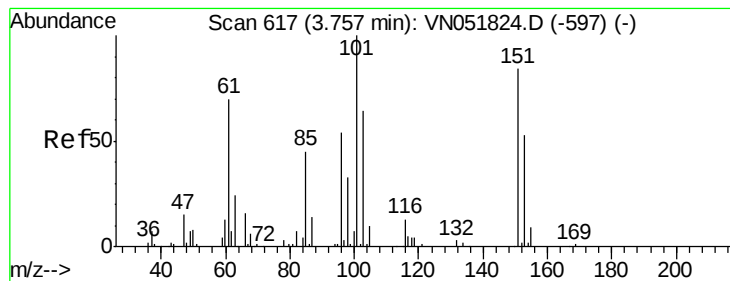


#8

Diethyl Ether
Concen: 20.417 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion: 74 Resp: 93107
Ion Ratio Lower Upper
74 100
45 73.4 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.313 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

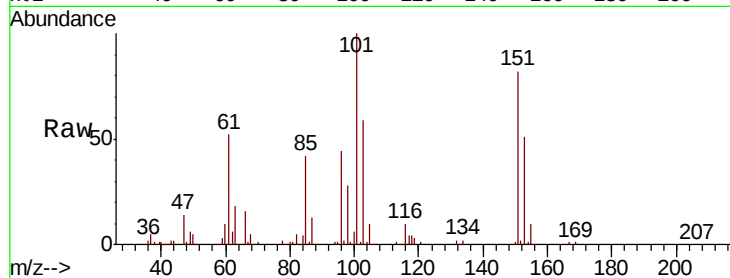
Tot Ion:101 Resp: 199051

Ion Ratio Lower Upper

101 100

85 41.8 0.0 46.0

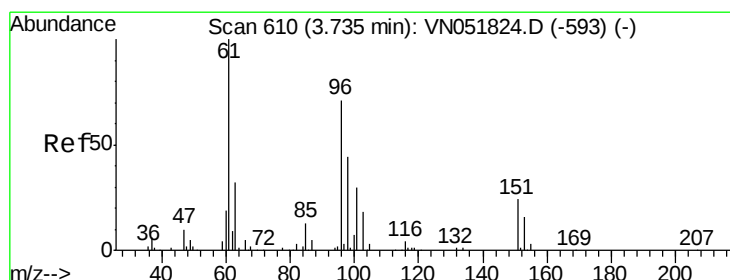
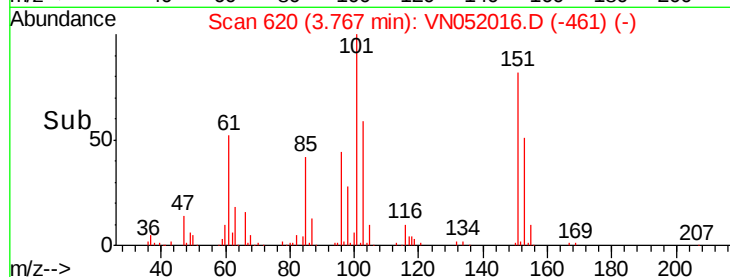
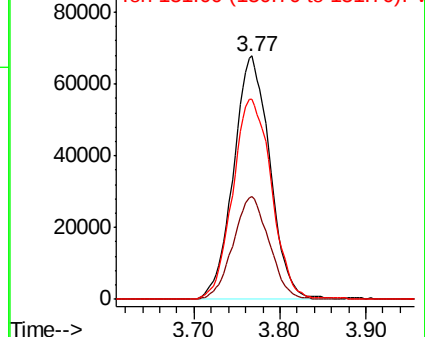
151 87.5 0.0 82.2#



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: 21.494 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

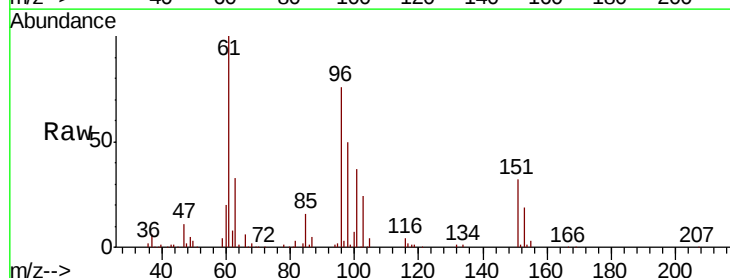
Tgt Ion: 96 Resp: 177330

Ion Ratio Lower Upper

96 100

61 131.7 133.0 199.6#

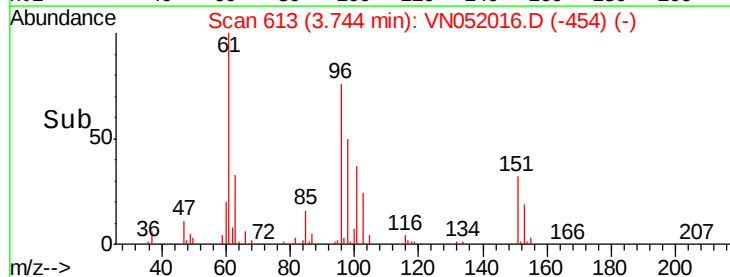
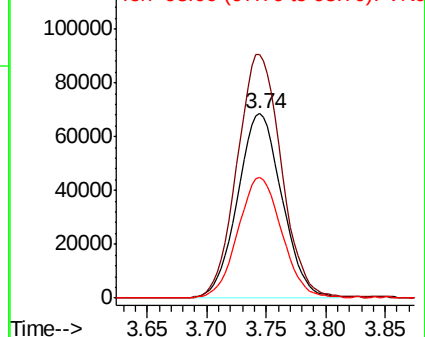
98 65.9 52.6 78.8

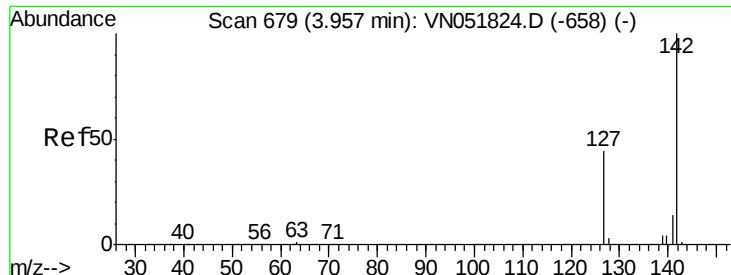


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

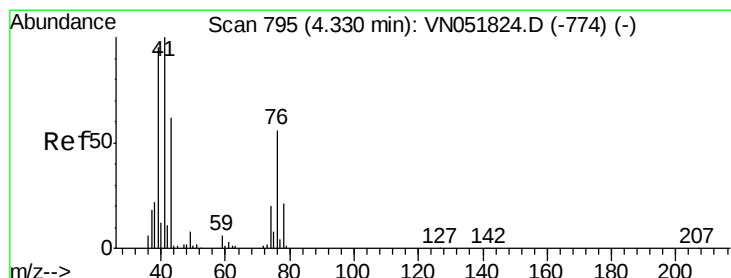
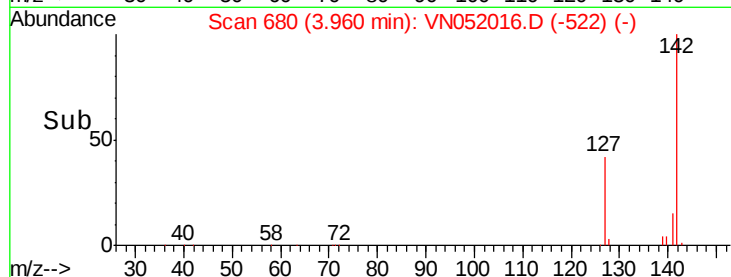
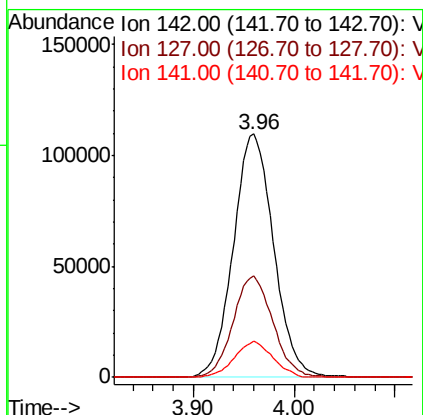
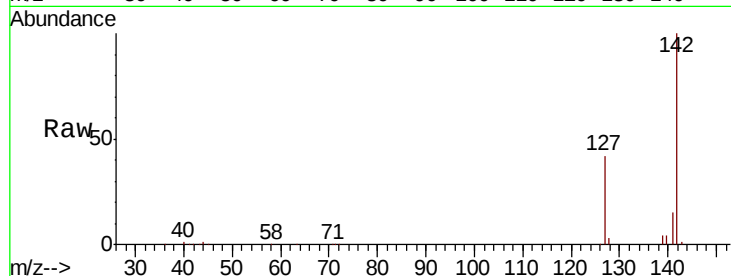




#11
Methvl Iodide
Concen: 25.369 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

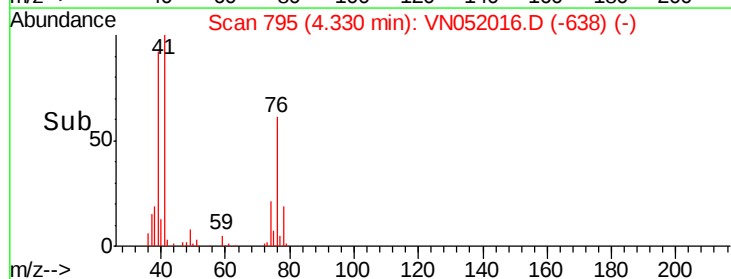
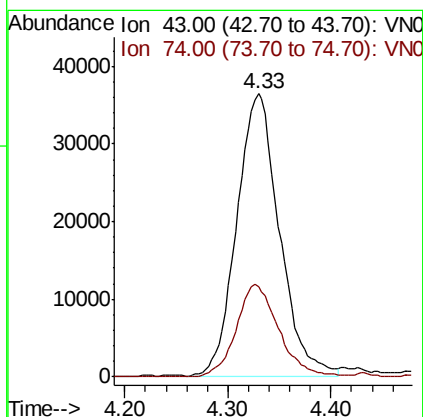
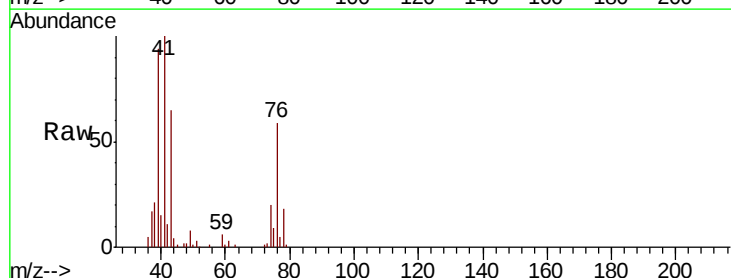
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

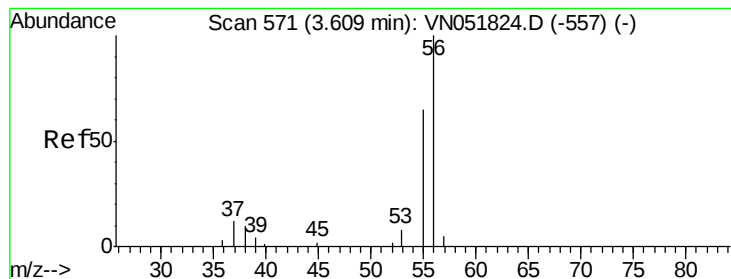
Tot Ion:142 Resp: 304258
Ion Ratio Lower Upper
142 100
127 41.5 19.7 59.0
141 14.7 6.3 18.9



#12
Methyl Acetate
Concen: 20.574 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion: 43 Resp: 105404
Ion Ratio Lower Upper
43 100
74 31.8 21.8 32.6





#13

Acrolein

Concen: 46.533 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

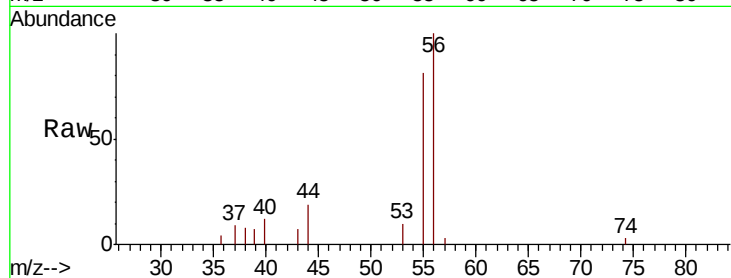
VN1025WBSD02

Tot Ion: 56 Resp: 15707

Ion Ratio Lower Upper

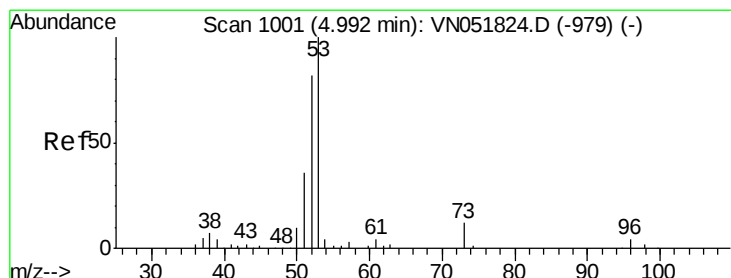
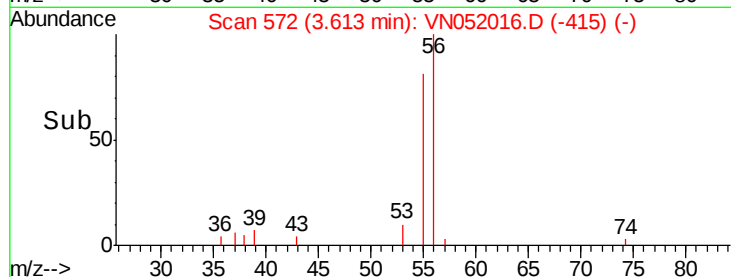
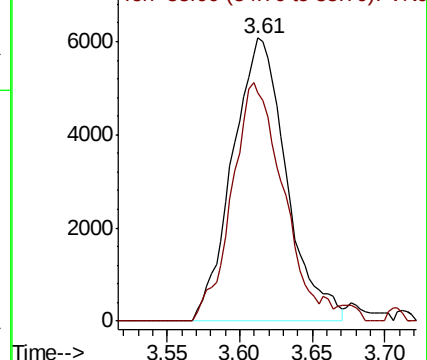
56 100

55 78.5 64.0 96.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 100.760 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

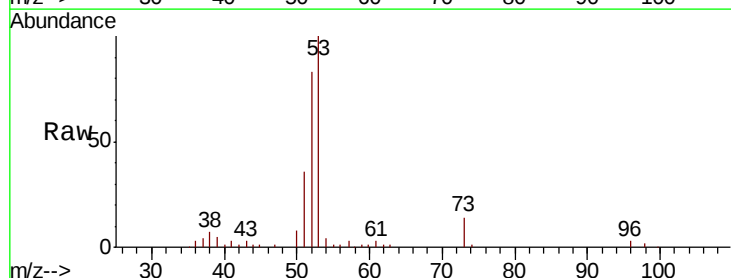
Tgt Ion: 53 Resp: 230711

Ion Ratio Lower Upper

53 100

52 82.8 18.3 54.8#

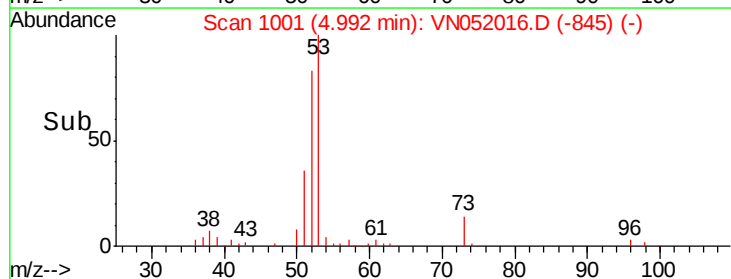
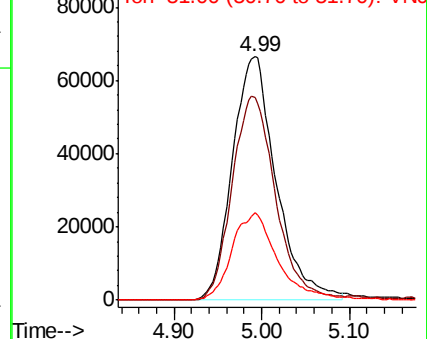
51 37.1 19.7 59.1

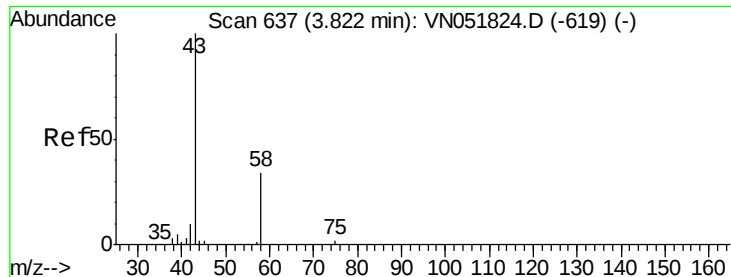


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 95.744 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

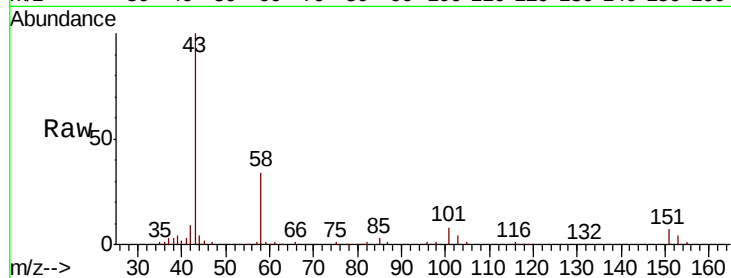
VN1025WBSD02

Tot Ion: 58 Resp: 54193

Ion Ratio Lower Upper

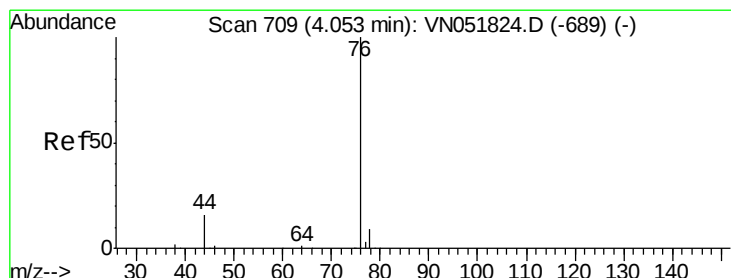
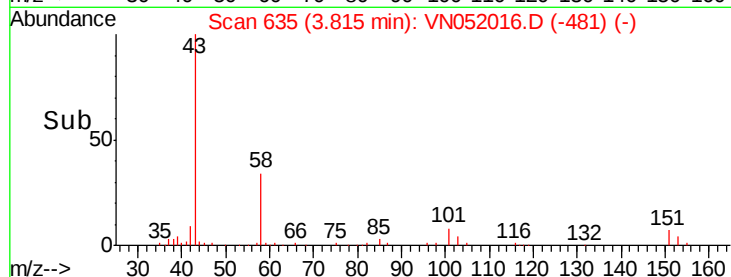
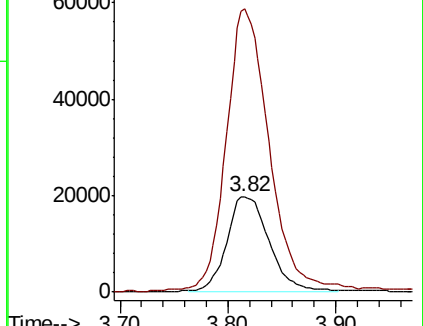
58 100

43 295.7 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN051824.D (-619) (-)

Ion 43.00 (42.70 to 43.70): VN051824.D (-619) (-)



#16

Carbon Disulfide

Concen: 17.643 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN052016.D

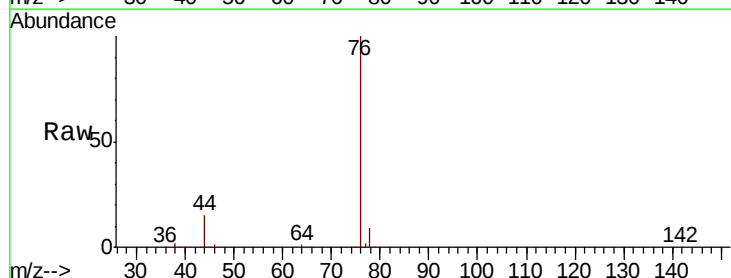
Acq: 25 Oct 2018 17:50

Tgt Ion: 76 Resp: 382278

Ion Ratio Lower Upper

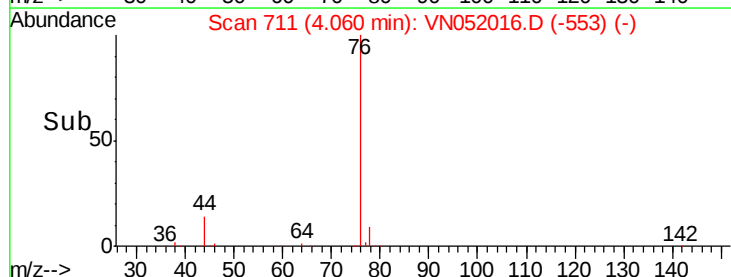
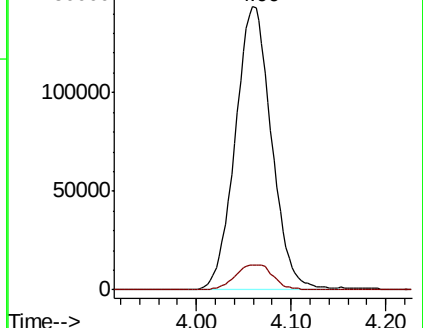
76 100

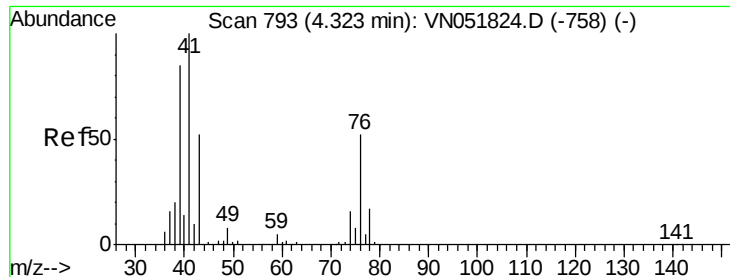
78 8.9 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN051824.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN051824.D (-689) (-)

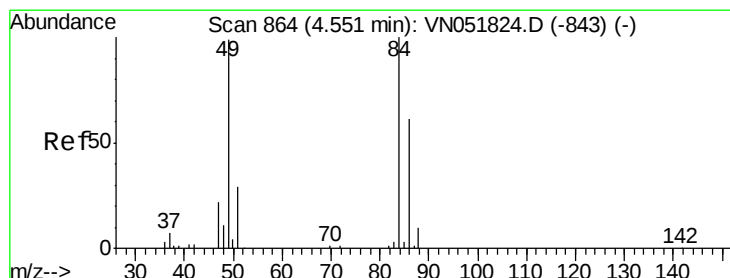
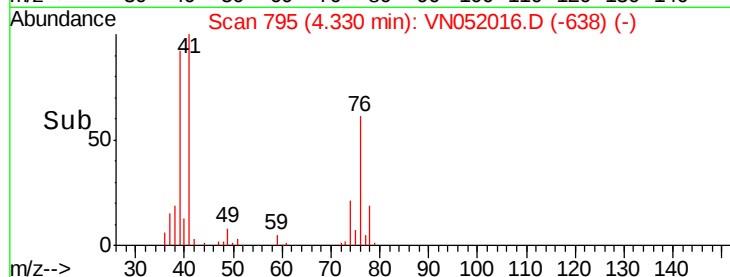
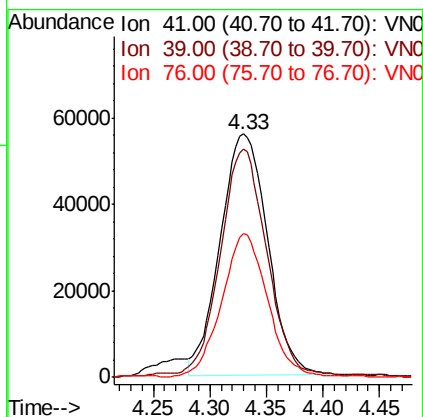
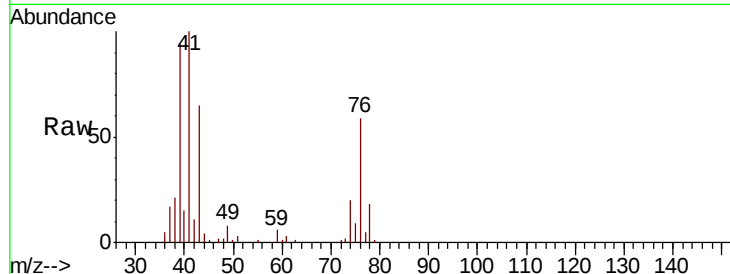




#17
Allvl chloride
Concen: 16.670 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

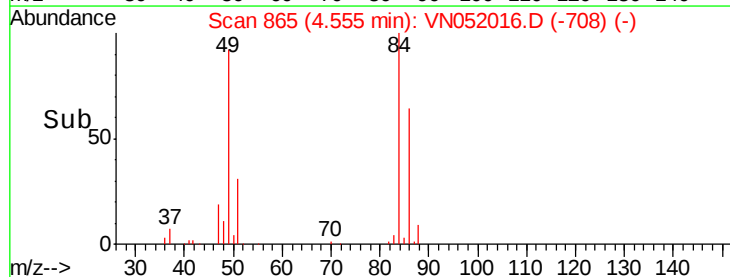
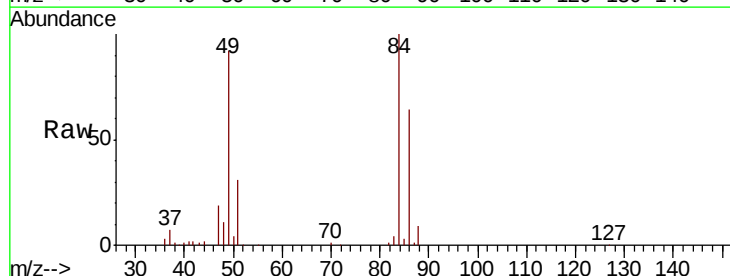
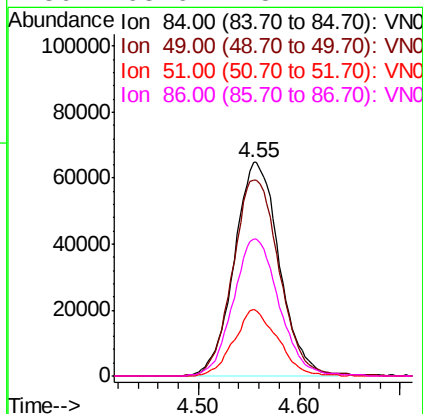
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

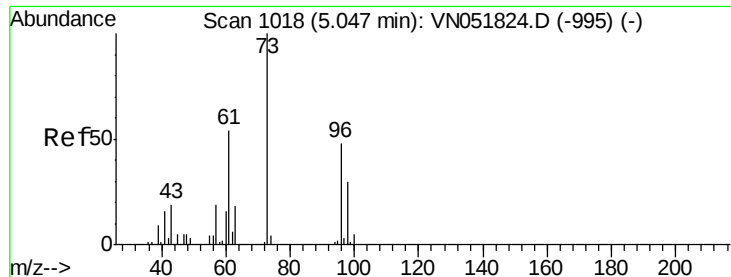
Tot Ion: 41 Resp: 163284
Ion Ratio Lower Upper
41 100
39 94.0 32.6 97.8
76 59.4 20.2 60.5



#18
Methylene Chloride
Concen: 21.813 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion: 84 Resp: 201219
Ion Ratio Lower Upper
84 100
49 91.3 91.6 137.4#
51 30.9 29.8 44.6
86 63.6 48.2 72.4

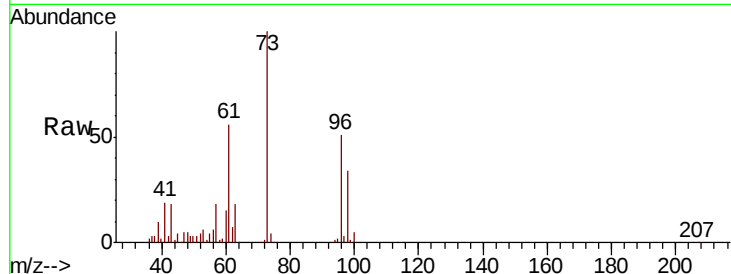




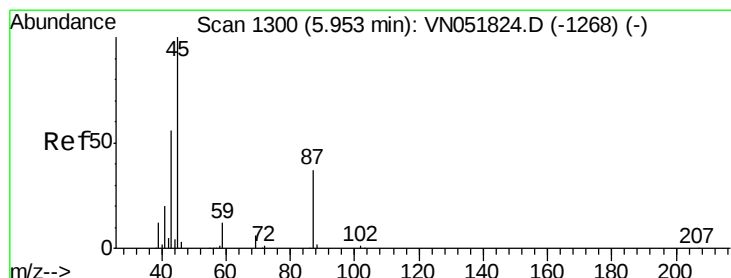
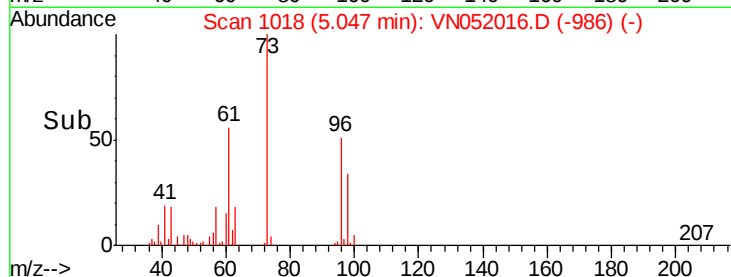
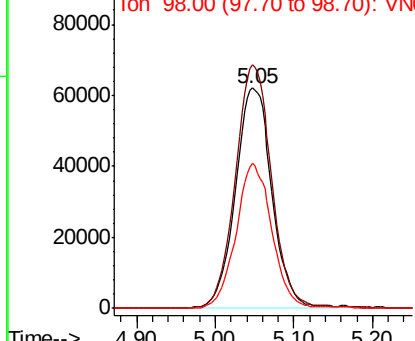
#19
trans-1,2-Dichloroethene
Concen: 21.559 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion: 96 Resp: 203094
Ion Ratio Lower Upper
96 100
61 110.6 112.3 168.5#
98 66.0 47.1 70.7

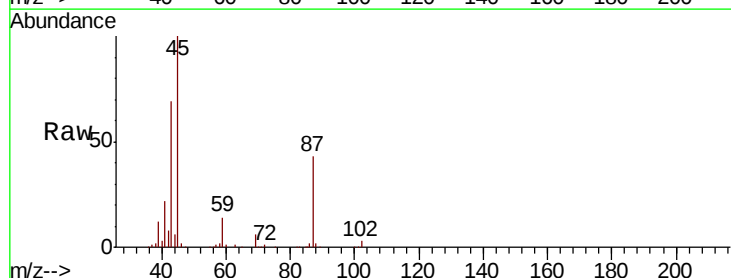


Abundance Ion 96.00 (95.70 to 96.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

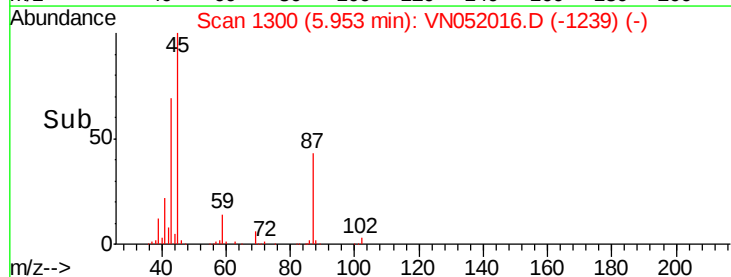
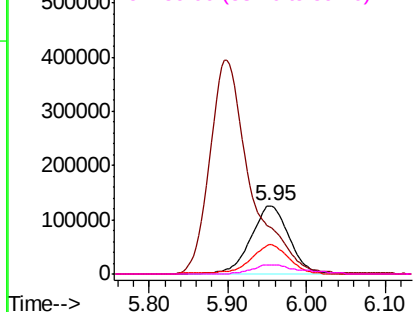


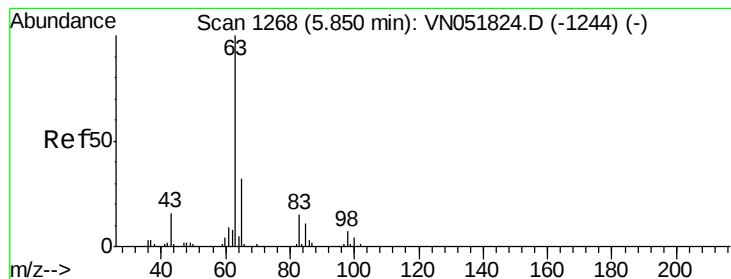
#20
Diisopropyl ether
Concen: 19.611 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion: 45 Resp: 427796
Ion Ratio Lower Upper
45 100
43 67.0 62.1 93.1
87 42.5 19.9 29.9#
59 13.2 9.8 14.6



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





#21

1,1-Dichloroethane

Concen: 20.591 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

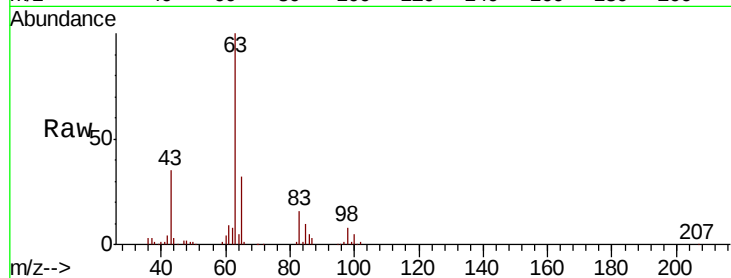
Tot Ion: 63 Resp: 313866

Ion Ratio Lower Upper

63 100

98 8.5 4.1 12.3

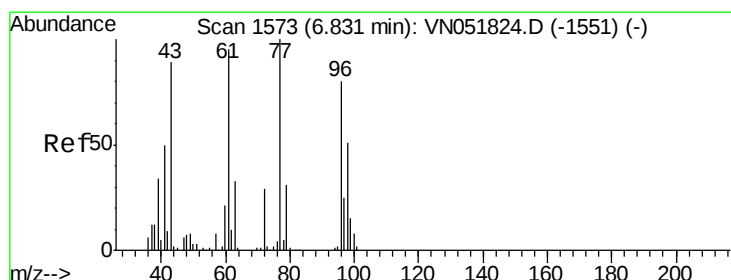
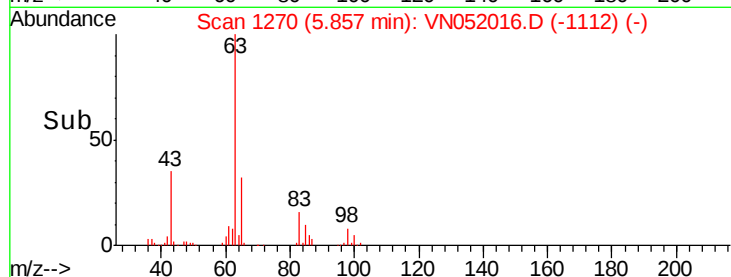
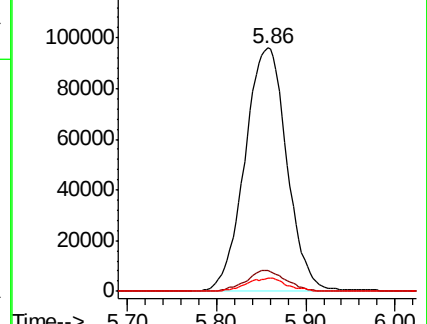
100 5.2 1.6 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VN051824.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051824.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 21.787 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

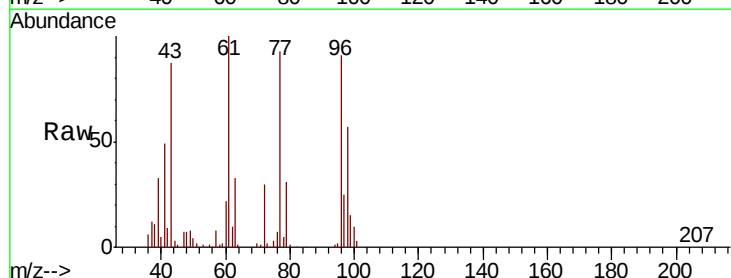
Tgt Ion: 96 Resp: 241077

Ion Ratio Lower Upper

96 100

61 114.8 124.5 186.7#

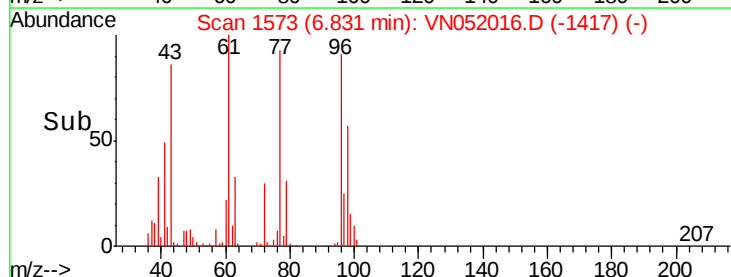
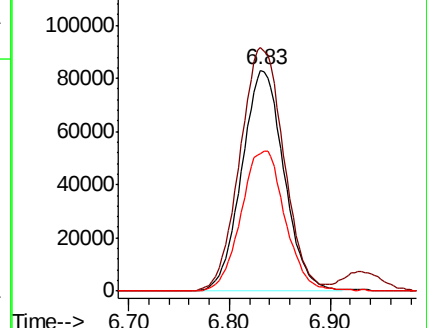
98 65.8 51.9 77.9

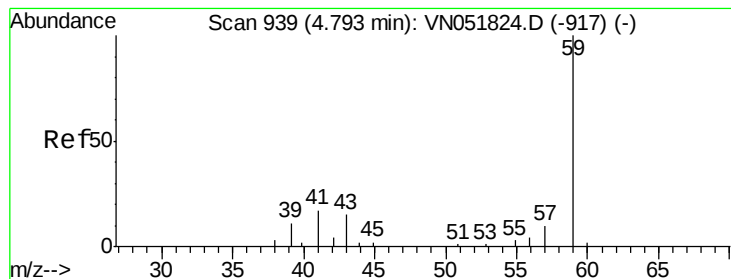


Abundance Ion 96.00 (95.70 to 96.70): VN051824.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN051824.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-1551) (-)



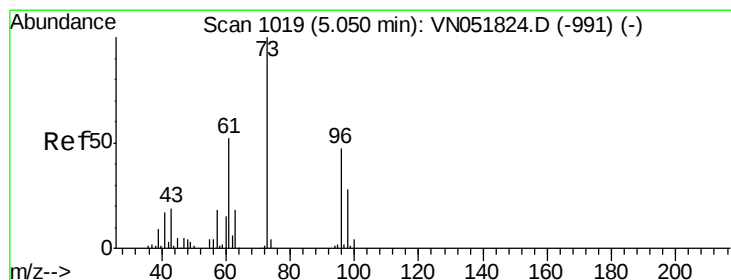
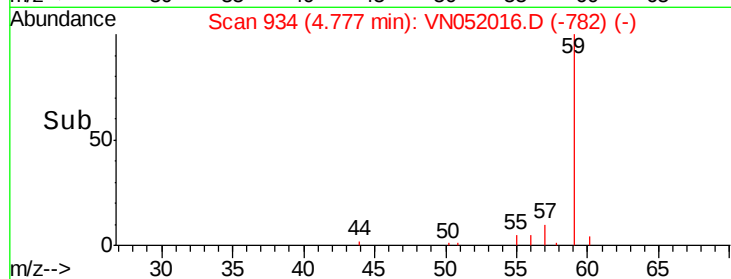
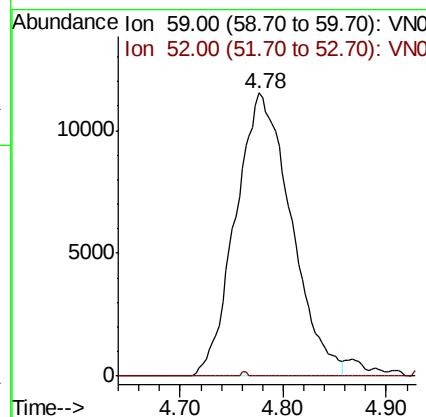
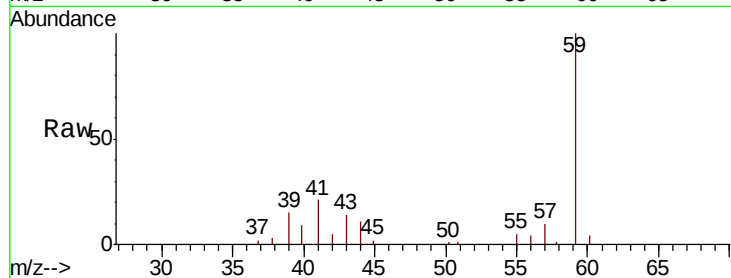


#23

tert-Butyl Alcohol
 Concen: 71.539 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VN052016.D
 Acq: 25 Oct 2018 17:50

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1025WBSD02

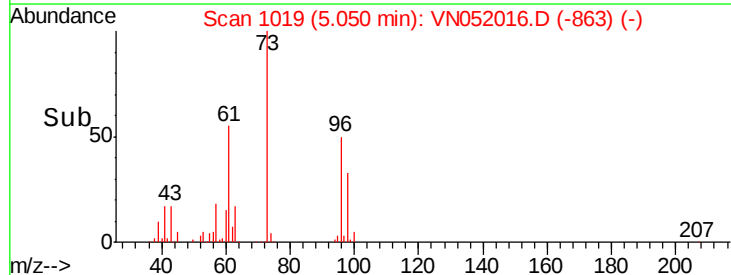
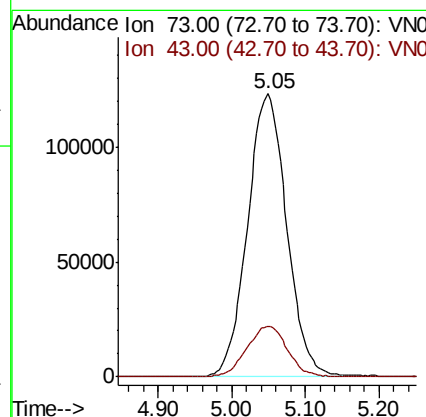
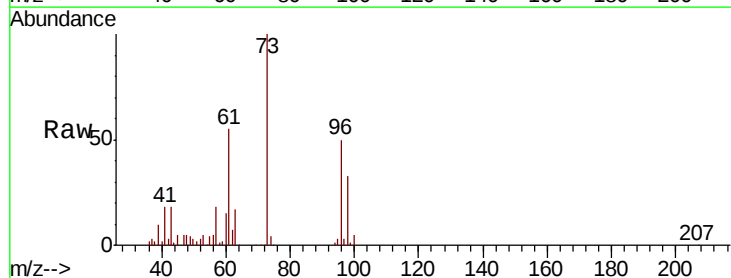
Tot Ion: 59 Resp: 43141
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

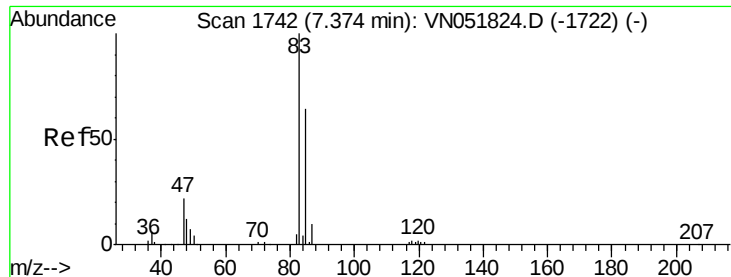


#24

Methyl tert-Butyl Ether
 Concen: 19.161 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052016.D
 Acq: 25 Oct 2018 17:50

Tgt Ion: 73 Resp: 455442
 Ion Ratio Lower Upper
 73 100
 43 18.3 5.4 8.0#





#25

Chloroform

Concen: 21.401 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

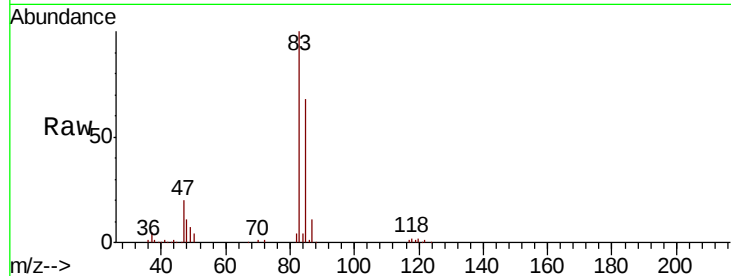
VN1025WBSD02

Tot Ion: 83 Resp: 387003

Ion Ratio Lower Upper

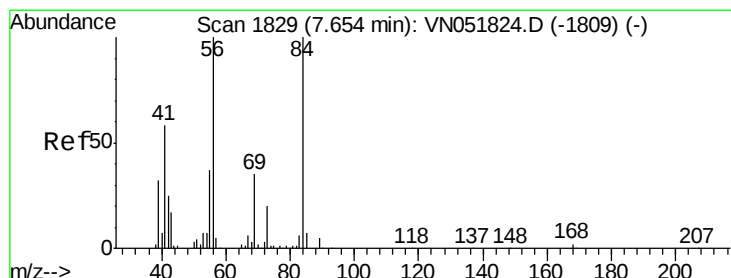
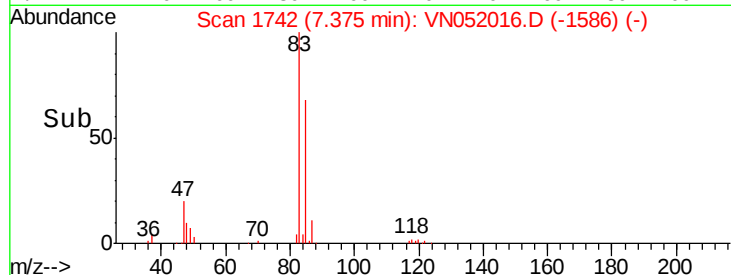
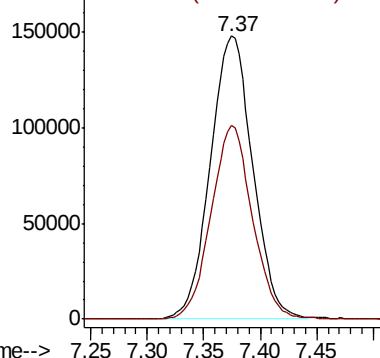
83 100

85 68.4 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 18.823 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

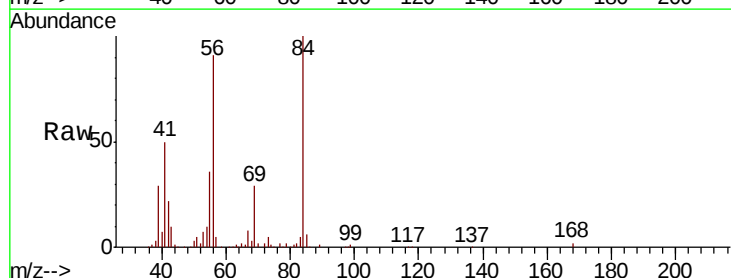
Tgt Ion: 56 Resp: 243246

Ion Ratio Lower Upper

56 100

89 1.5 1.5 2.3#

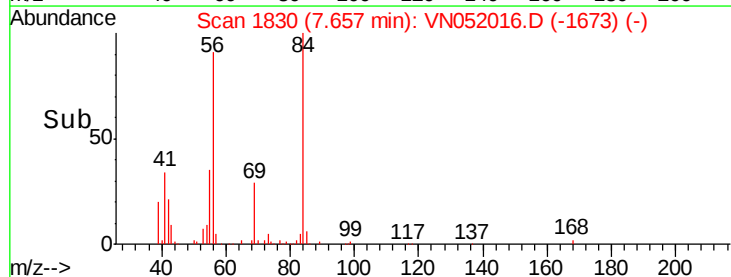
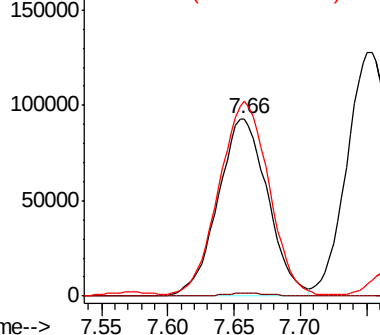
84 110.9 64.2 96.4#

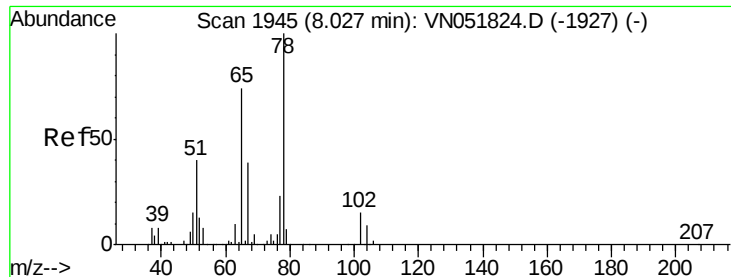


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 18.823 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

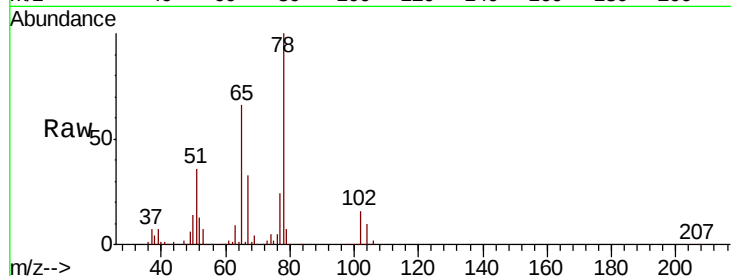
VN1025WBSD02

Tot Ion: 65 Resp: 301184

Ion Ratio Lower Upper

65 100

67 52.2 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN051824.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN051824.D (-1927) (-)

8.03

150000

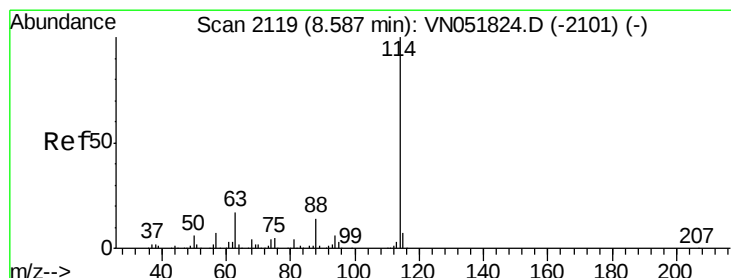
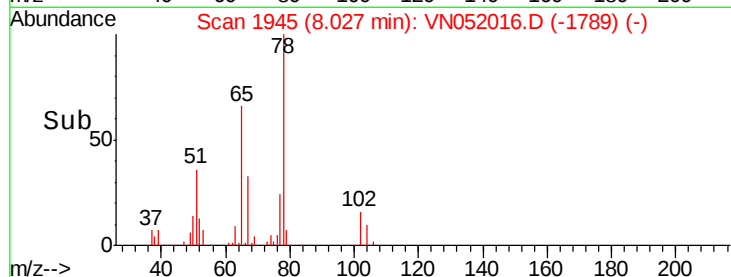
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

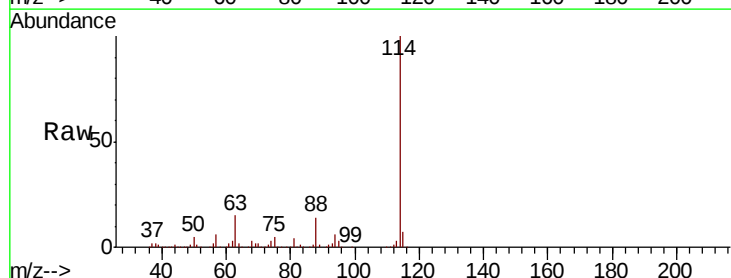
Tgt Ion: 114 Resp: 1006671

Ion Ratio Lower Upper

114 100

63 15.4 16.2 24.2#

88 13.4 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051824.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051824.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN051824.D (-2101) (-)

8.59

600000

500000

400000

300000

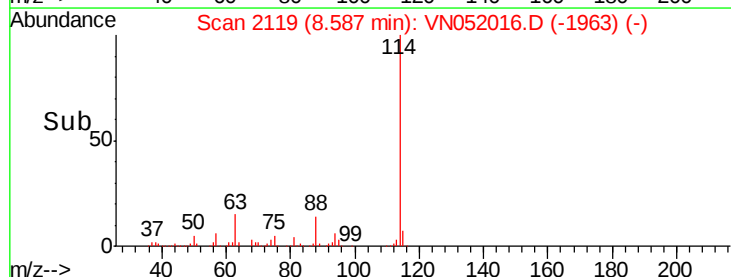
200000

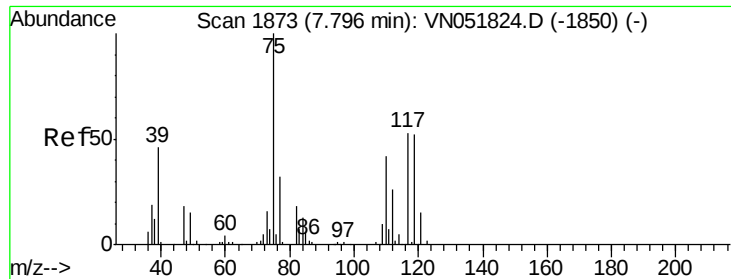
100000

0

8.50 8.60 8.70

Time-->

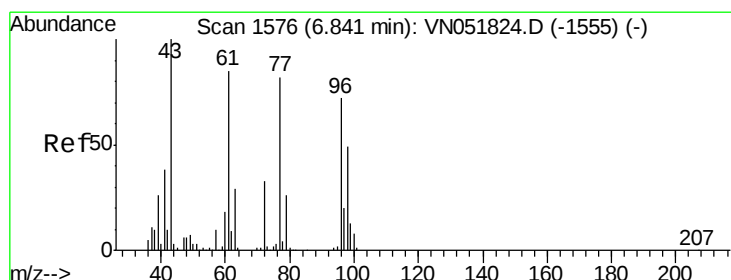
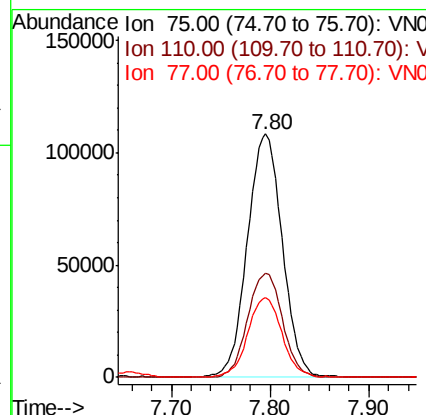
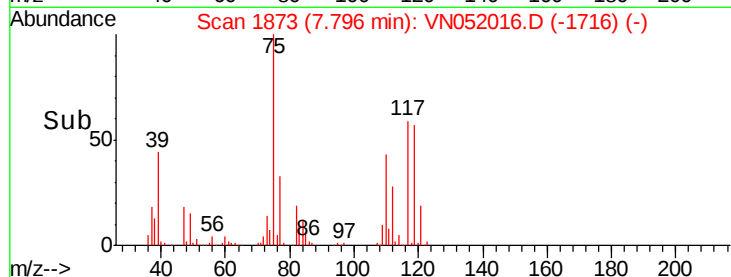
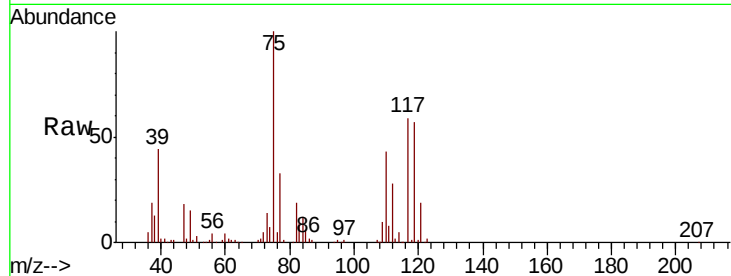




#29
 1,1-Dichloropropene
 Concen: 20.486 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052016.D
 Acq: 25 Oct 2018 17:50

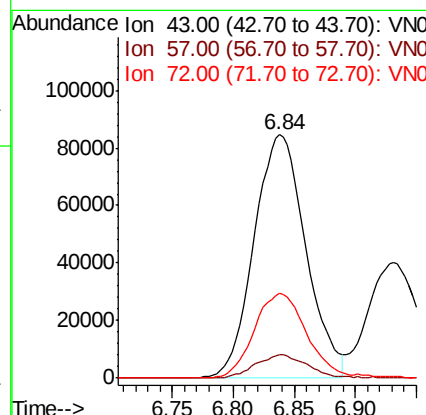
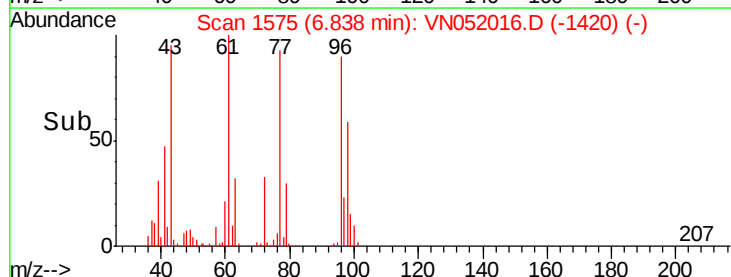
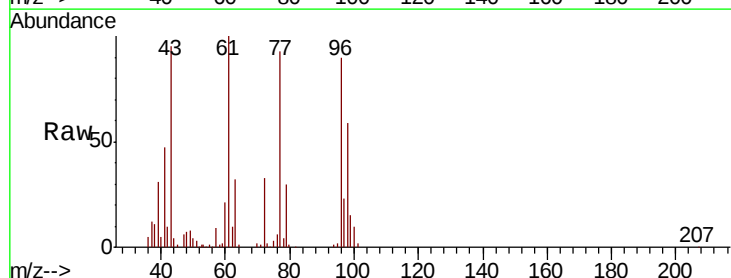
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

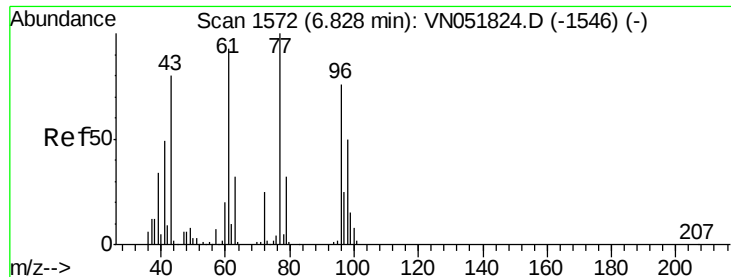
Tot Ion	Ratio	Lower	Upper
75	100		
110	42.4	0.0	70.8
77	32.0	0.0	61.6



#30
 2-Butanone
 Concen: 91.208 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN052016.D
 Acq: 25 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.6	4.5	6.7#
72	35.4	21.5	32.3#





#31

2,2-Dichloropropane

Concen: 18.056 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

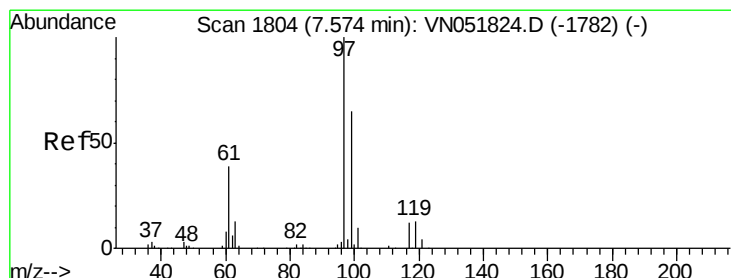
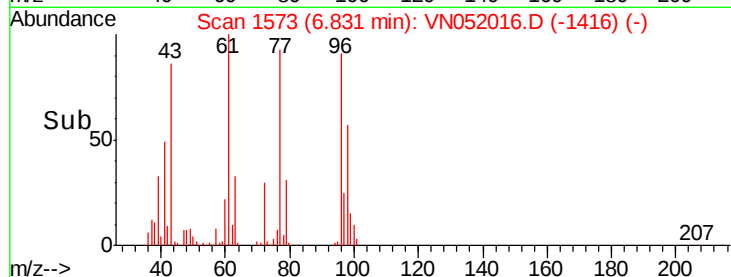
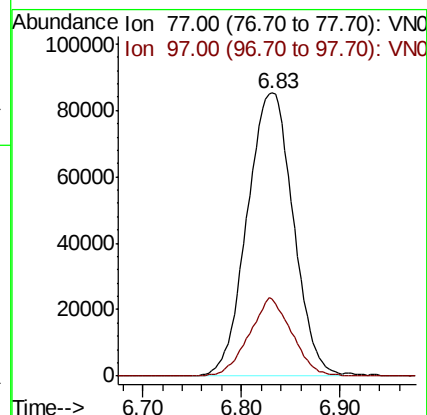
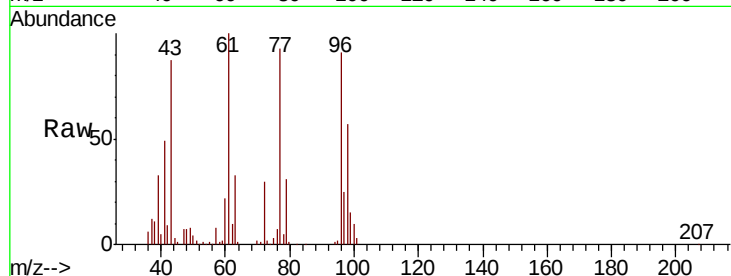
VN1025WBSD02

Tot Ion: 77 Resp: 275628

Ion Ratio Lower Upper

77 100

97 25.6 12.0 18.0#



#32

1,1,1-Trichloroethane

Concen: 20.123 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

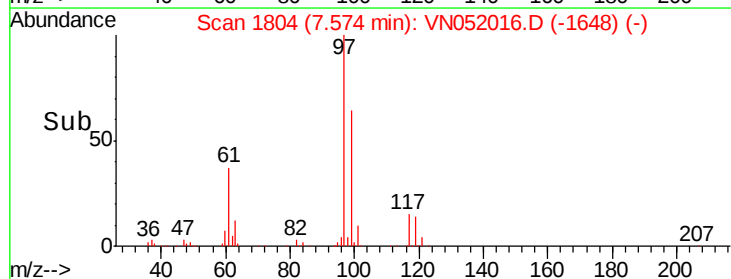
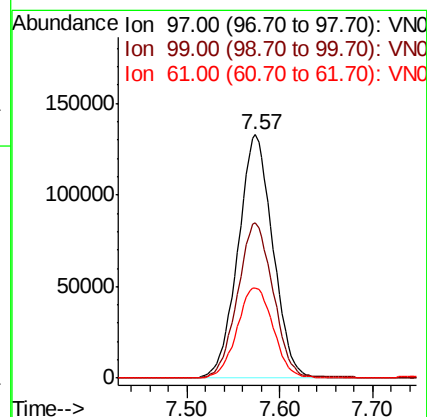
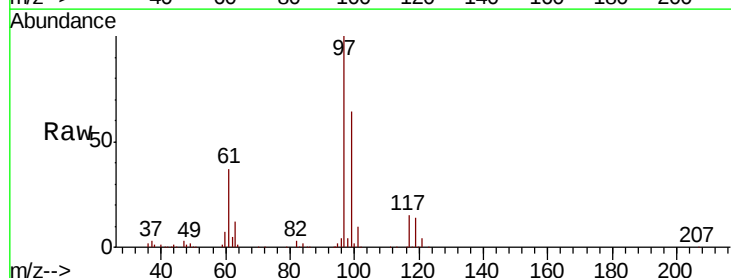
Tgt Ion: 97 Resp: 346184

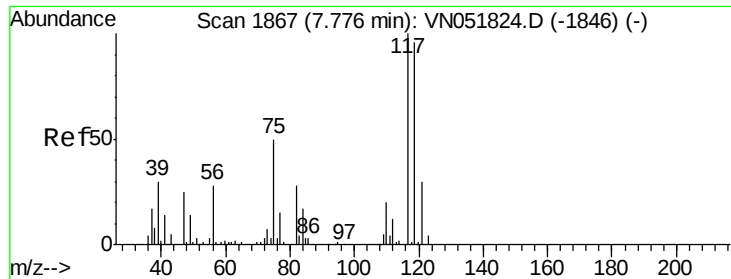
Ion Ratio Lower Upper

97 100

99 65.1 51.6 77.4

61 38.5 37.4 56.0

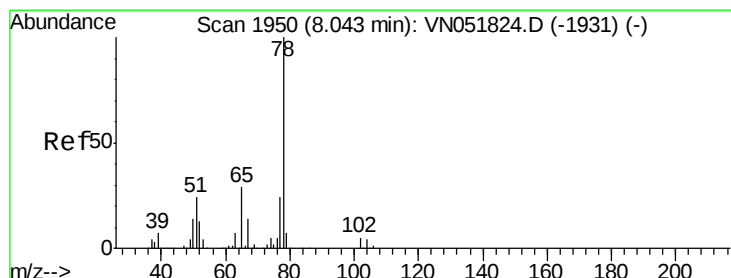
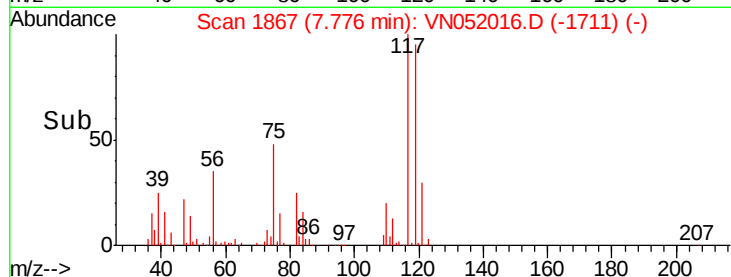
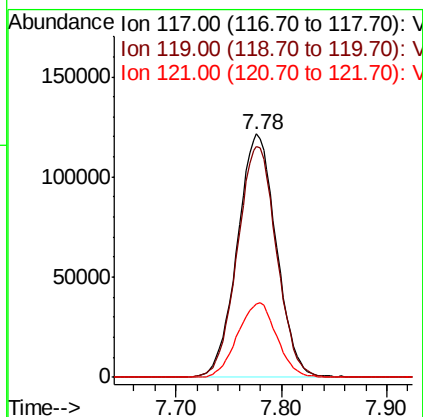
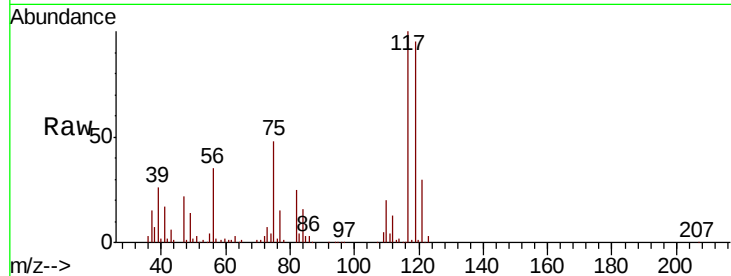




#33
Carbon Tetrachloride
Concen: 20.045 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

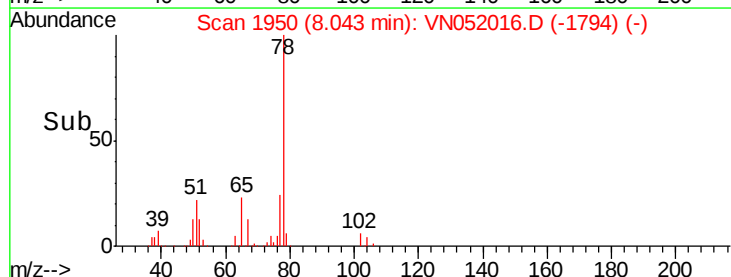
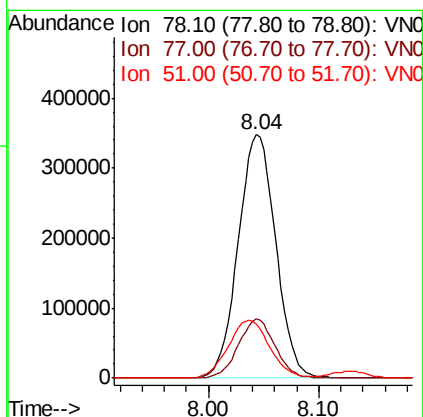
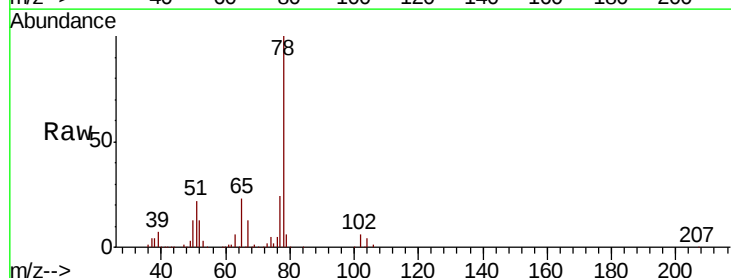
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

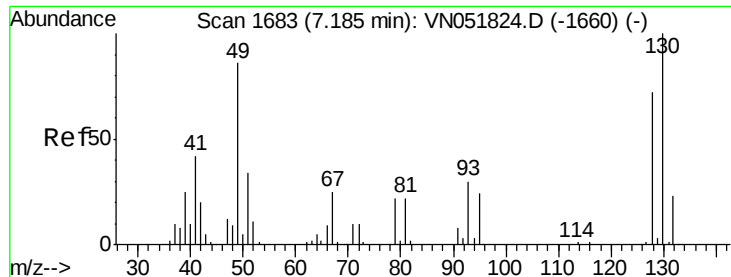
Tot Ion	Ratio	Lower	Upper
117	100		
119	94.9	85.1	127.7
121	30.2	24.2	36.2



#34
Benzene
Concen: 21.389 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2
51	22.2	46.2	69.4#





#35

Methacrylonitrile

Concen: 13.786 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.02 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

Tot Ion: 41 Resp: 49125

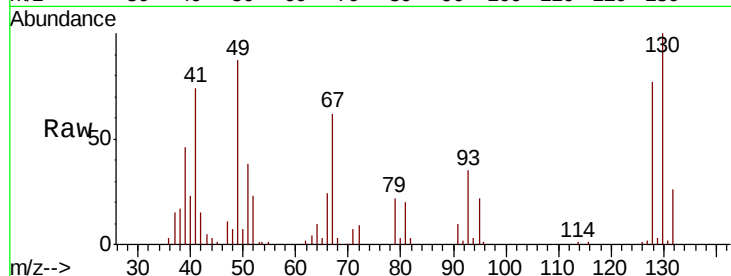
Ion Ratio Lower Upper

41 100

39 60.3 22.6 67.7

67 82.8 28.9 86.8

52 30.4 11.3 33.9

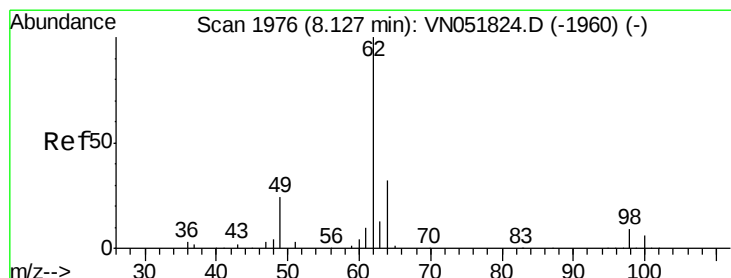
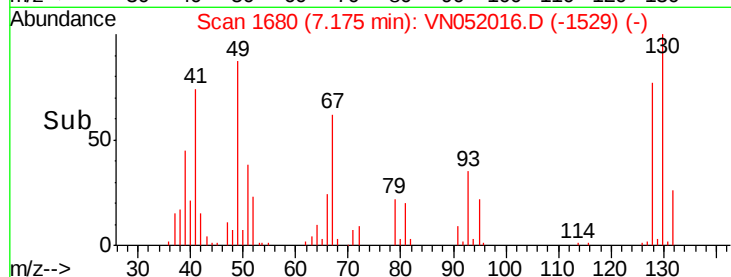
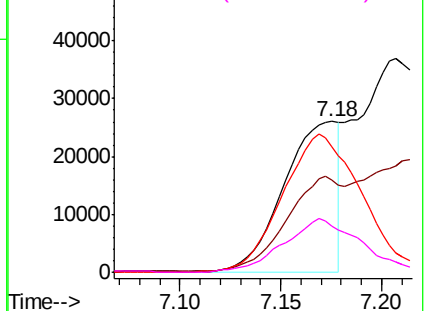


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#36

1,2-Dichloroethane

Concen: 20.568 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN052016.D

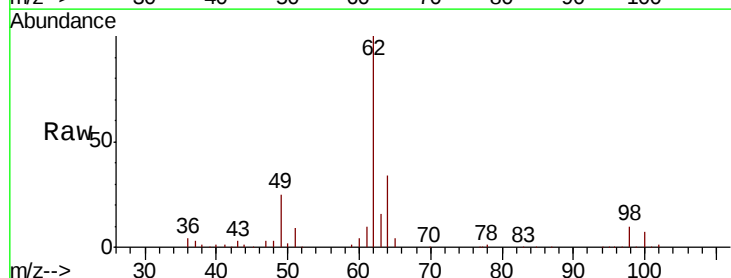
Acq: 25 Oct 2018 17:50

Tgt Ion: 62 Resp: 252954

Ion Ratio Lower Upper

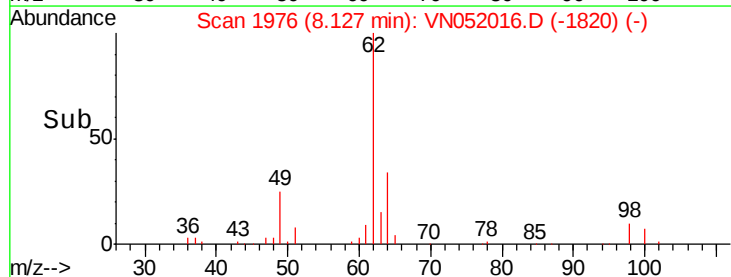
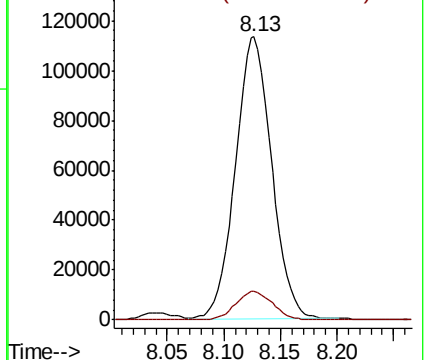
62 100

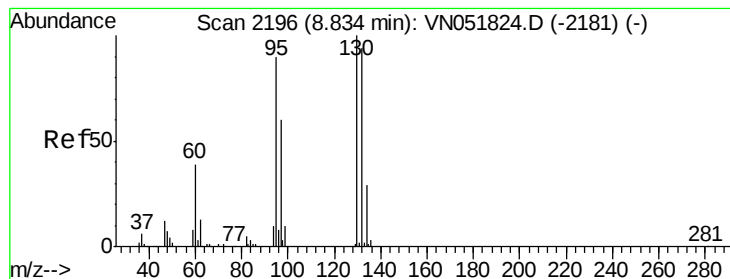
98 10.4 6.9 10.3#



Abundance Ion 62.00 (61.70 to 62.70): VNC

Ion 98.00 (97.70 to 98.70): VNC





#37

Trichloroethene

Concen: 21.729 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

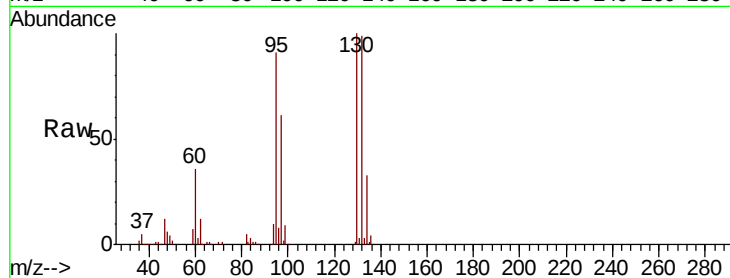
VN1025WBSD02

Tot Ion:130 Resp: 258904

Ion Ratio Lower Upper

130 100

95 90.9 76.4 114.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

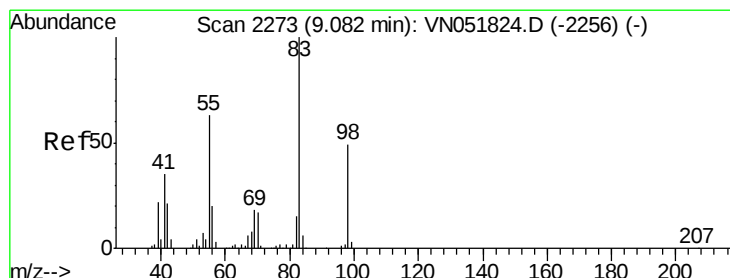
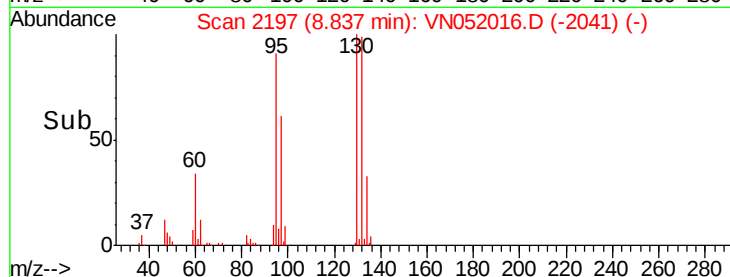
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 18.992 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

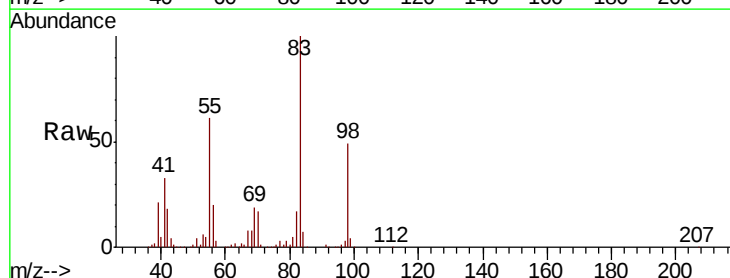
Tgt Ion: 83 Resp: 316084

Ion Ratio Lower Upper

83 100

55 60.3 43.0 129.2

98 50.4 21.3 63.7



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

9.08

200000

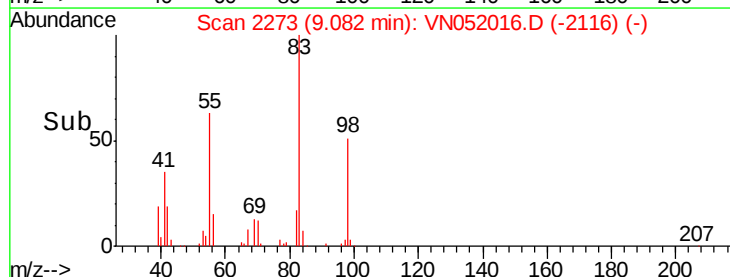
150000

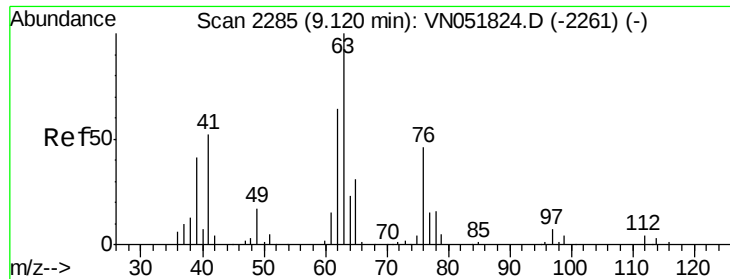
100000

50000

0

Time-->

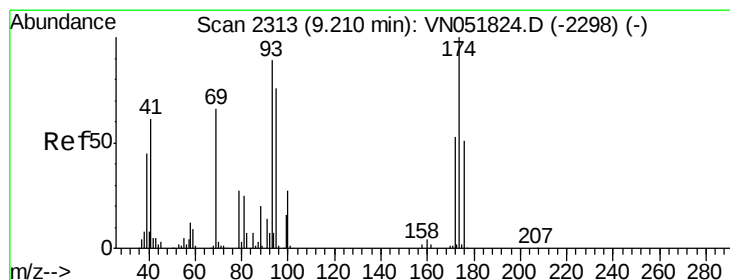
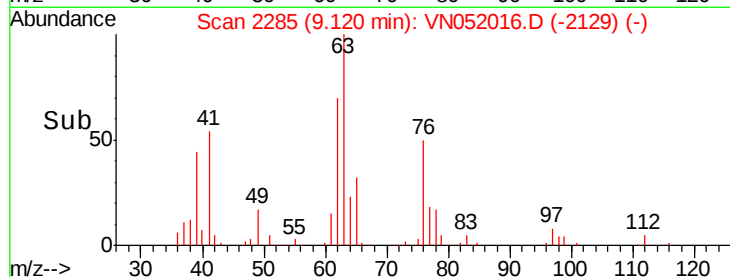
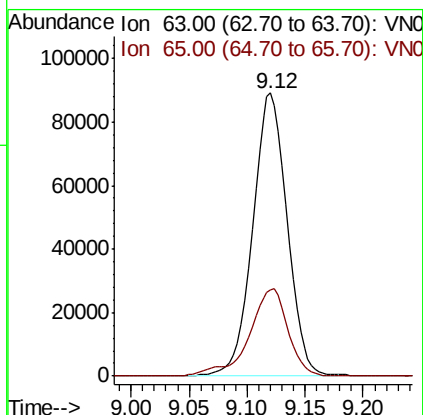
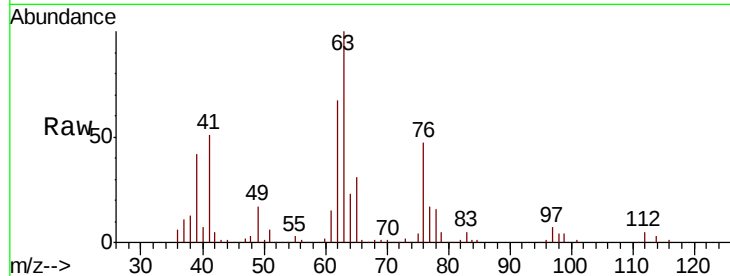




#39
 1,2-Dichloropropane
 Concen: 20.373 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052016.D
 Acq: 25 Oct 2018 17:50

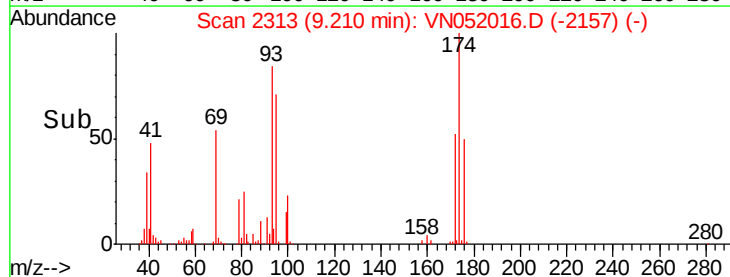
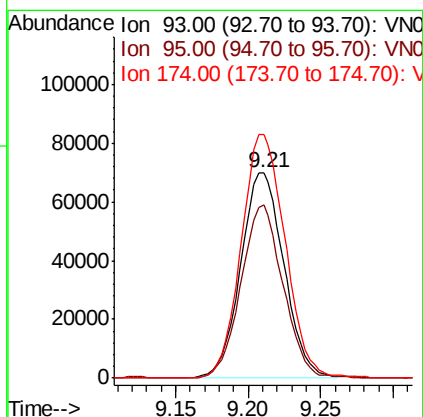
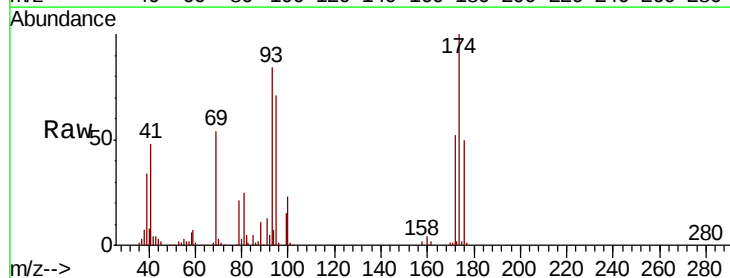
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1025WBSD02

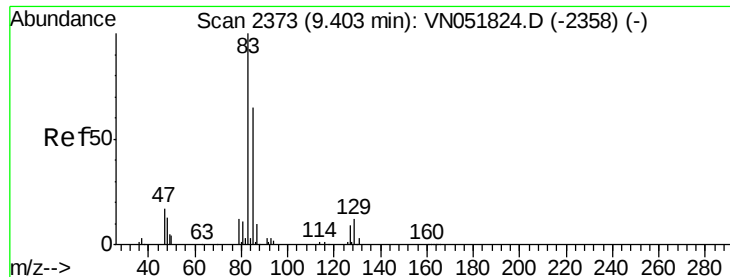
Tot Ion: 63 Resp: 184156
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.2 34.8



#40
 Dibromomethane
 Concen: 21.592 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052016.D
 Acq: 25 Oct 2018 17:50

Tgt Ion: 93 Resp: 144855
 Ion Ratio Lower Upper
 93 100
 95 82.1 0.0 162.0
 174 120.5 0.0 214.0





#41

Bromodichloromethane

Concen: 19.853 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

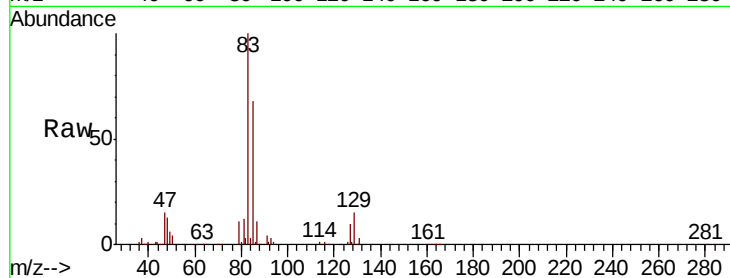
Tot Ion: 83 Resp: 275110

Ion Ratio Lower Upper

83 100

85 67.9 55.7 83.5

127 9.7 8.2 12.4

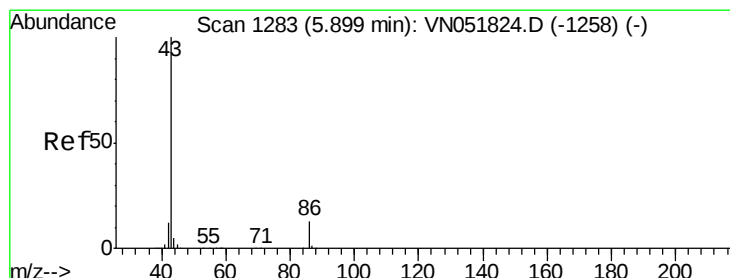
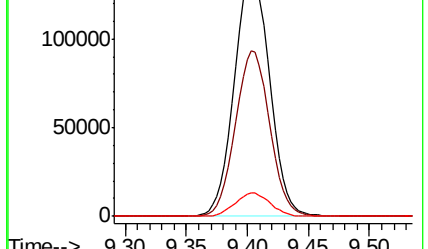
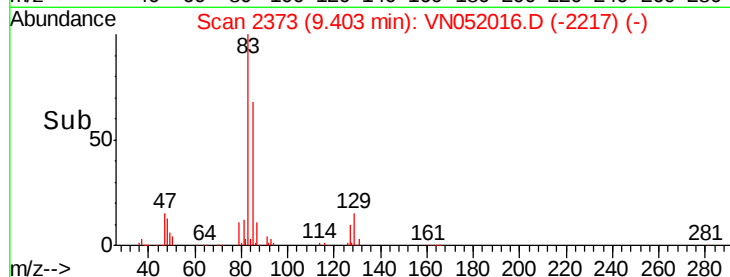


Abundance Ion 83.00 (82.70 to 83.70): VN051824.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN051824.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN051824.D (-2358) (-)

Time-->



#42

Vinyl Acetate

Concen: 92.260 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052016.D

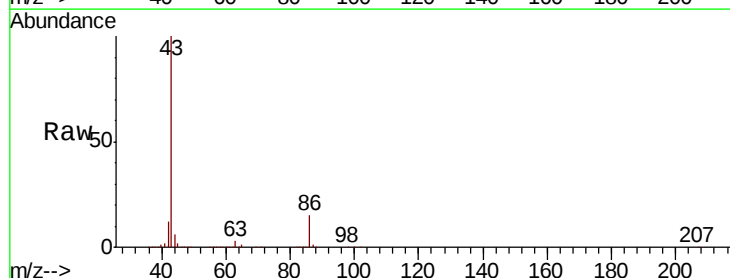
Acq: 25 Oct 2018 17:50

Tgt Ion: 43 Resp: 1408586

Ion Ratio Lower Upper

43 100

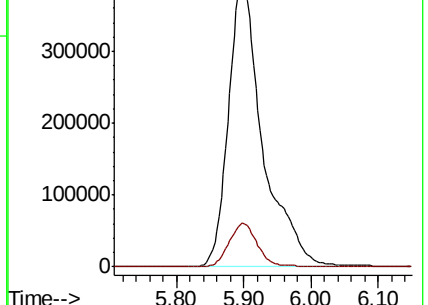
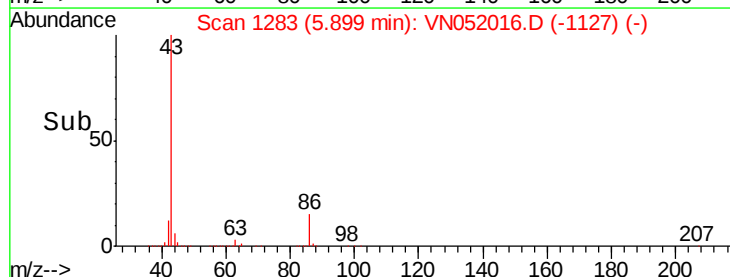
86 12.5 6.5 9.7#

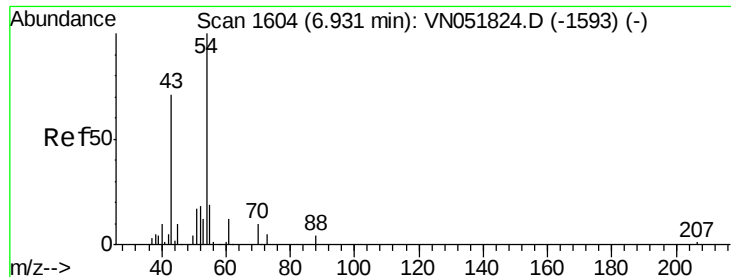


Abundance Ion 43.00 (42.70 to 43.70): VN051824.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN051824.D (-1258) (-)

Time-->

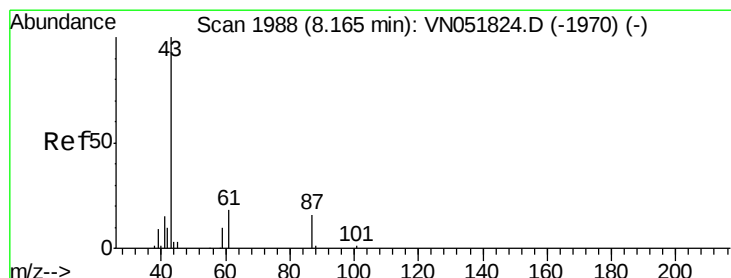
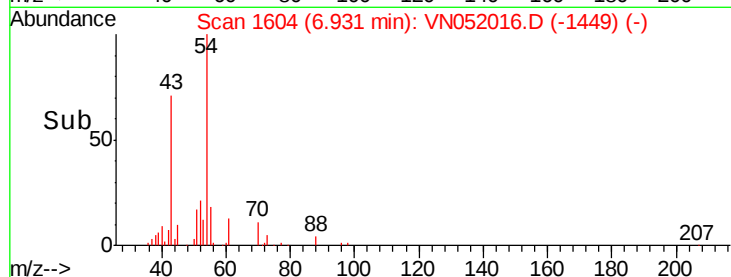
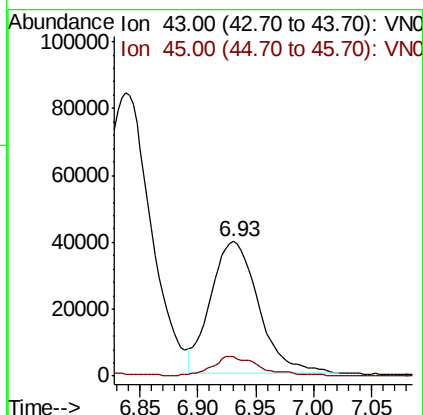
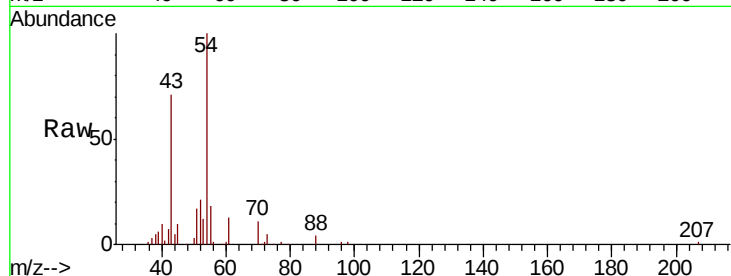




#43
Ethyl Acetate
Concen: 19.210 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

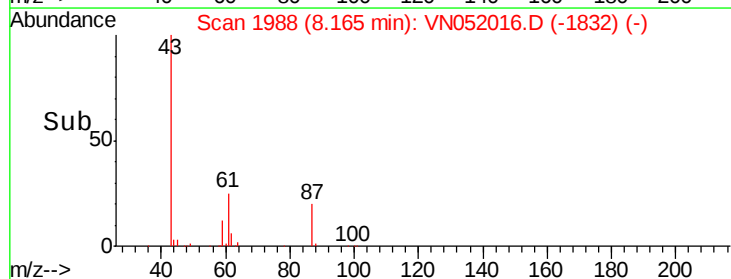
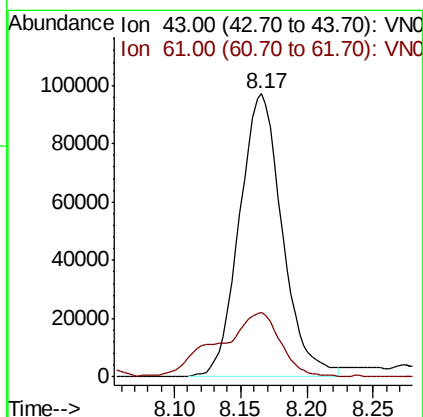
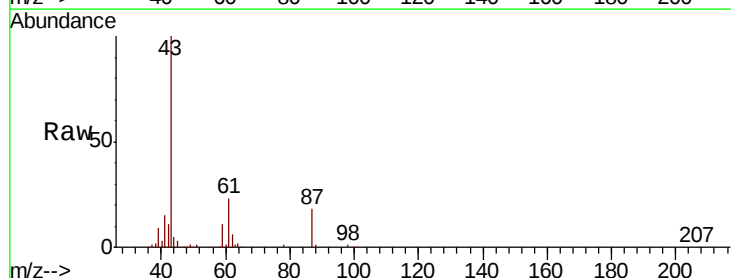
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

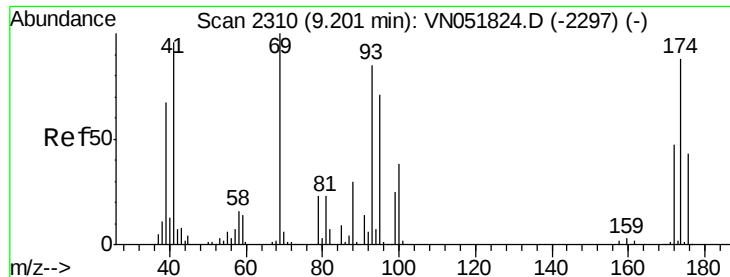
Tot Ion: 43 Resp: 113131
Ion Ratio Lower Upper
43 100
45 12.7 11.0 16.6



#44
Isopropyl Acetate
Concen: 18.441 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion: 43 Resp: 216916
Ion Ratio Lower Upper
43 100
61 21.6 15.9 23.9





#45

1,4-Dioxane

Concen: 291.138 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

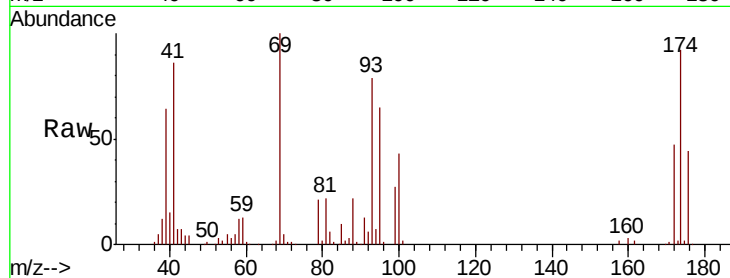
Tot Ion: 88 Resp: 27498

Ion Ratio Lower Upper

88 100

43 29.1 26.2 39.2

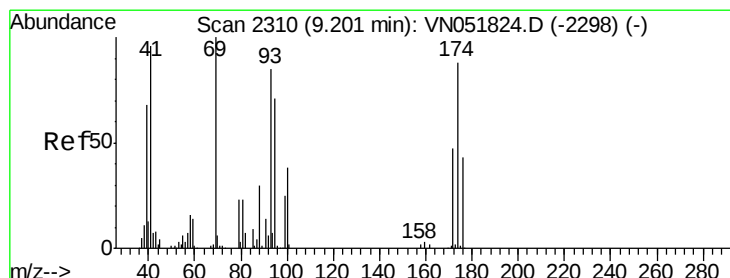
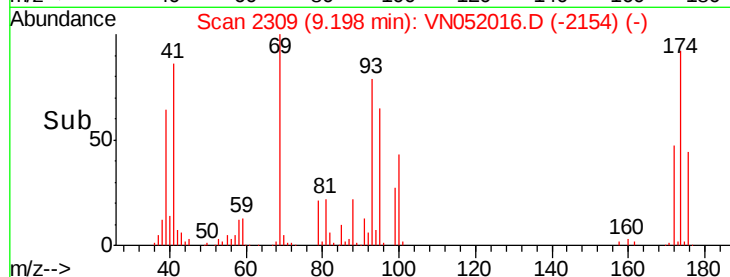
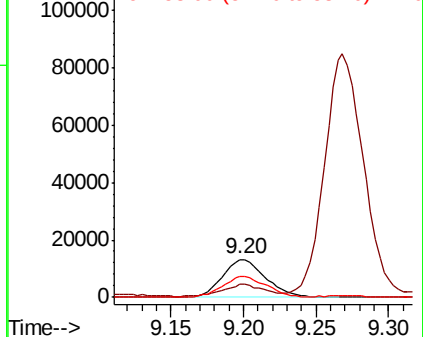
58 55.9 65.6 98.4#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 18.848 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

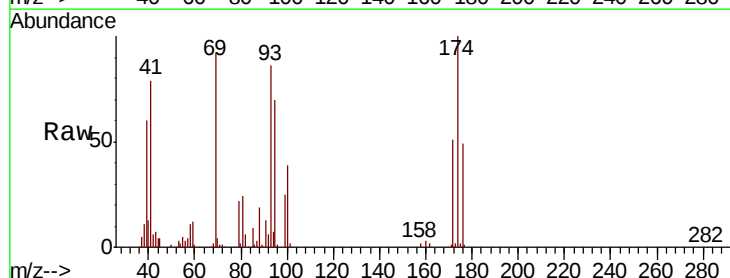
Tgt Ion: 41 Resp: 102261

Ion Ratio Lower Upper

41 100

69 118.7 40.7 122.1

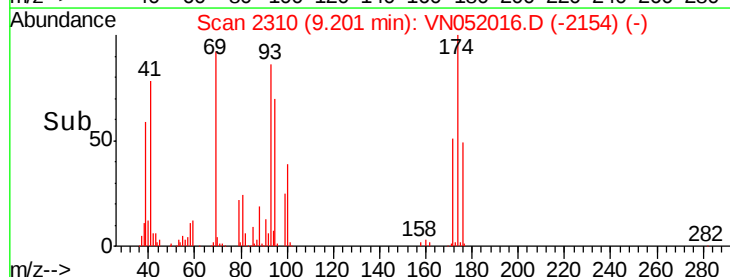
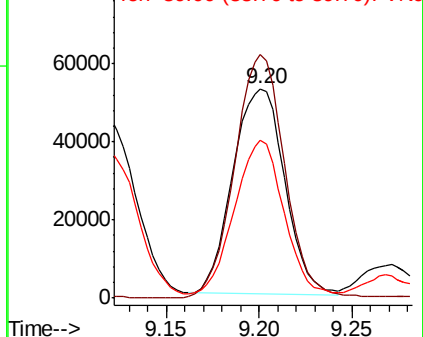
39 75.5 27.3 81.9

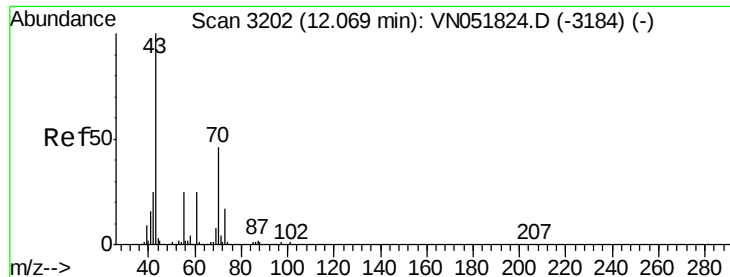


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

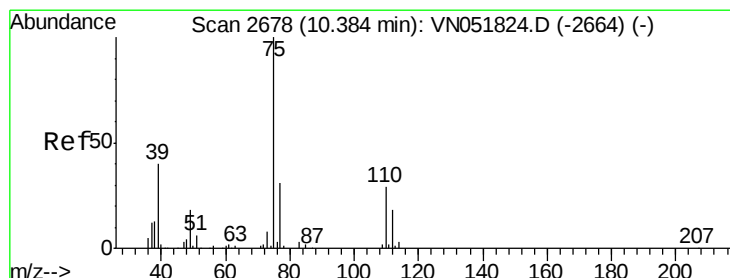
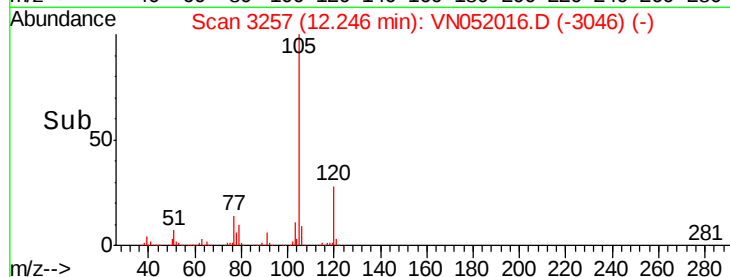
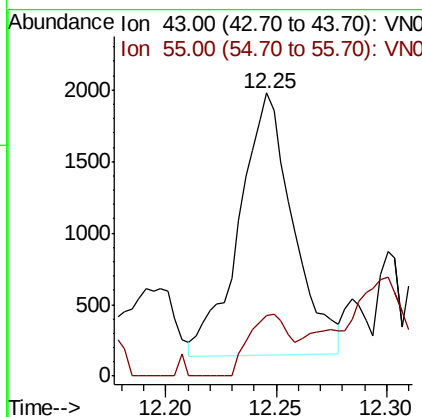
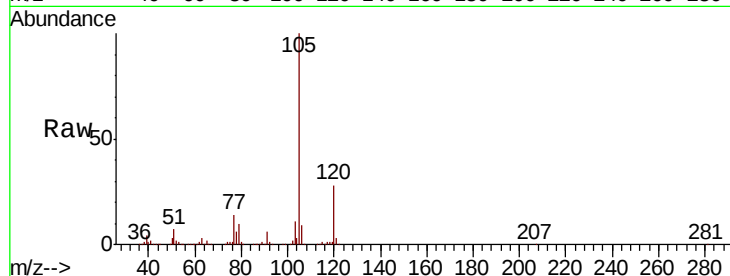




#47
n-amvl Acetate
Concen: 0.317 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.18 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

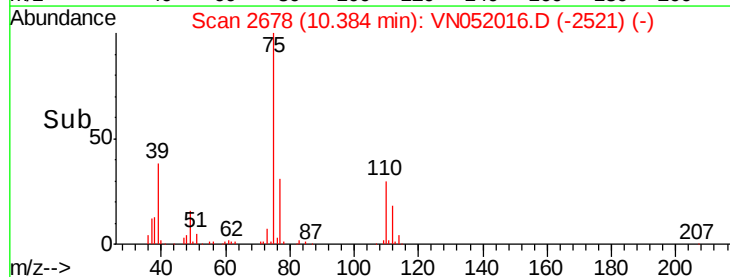
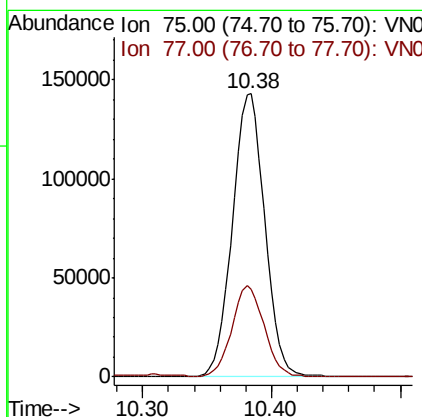
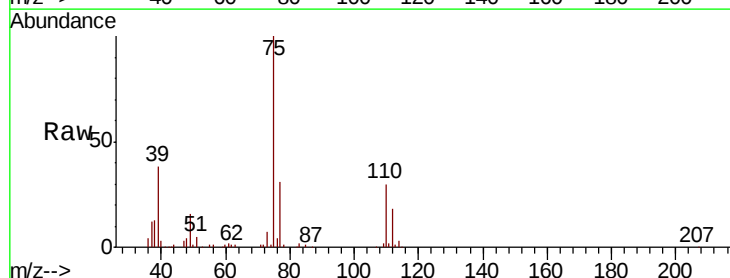
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

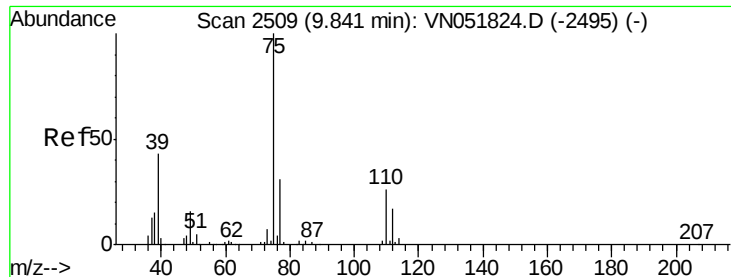
Tot Ion: 43 Resp: 3120
Ion Ratio Lower Upper
43 100
55 17.9 12.2 18.4



#48
t-1,3-Dichloropropene
Concen: 18.482 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion: 75 Resp: 249748
Ion Ratio Lower Upper
75 100
77 30.8 24.6 37.0



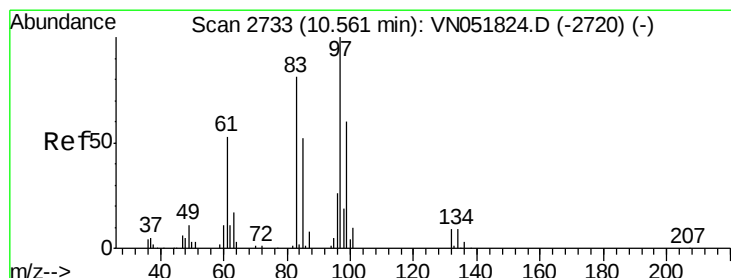
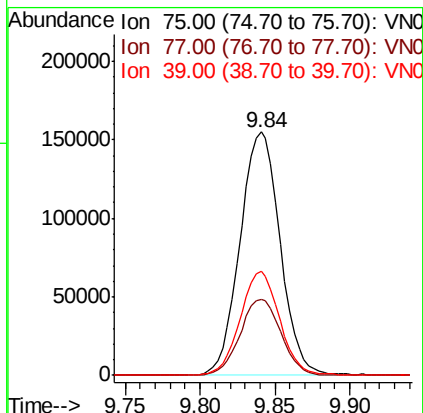
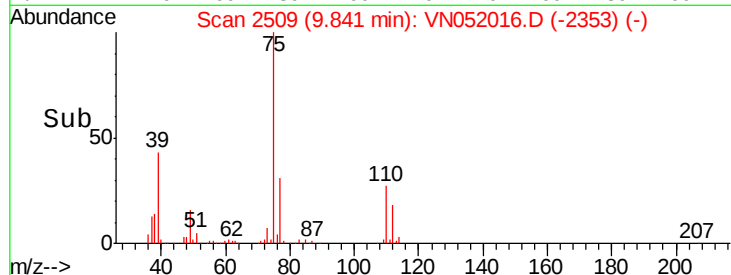
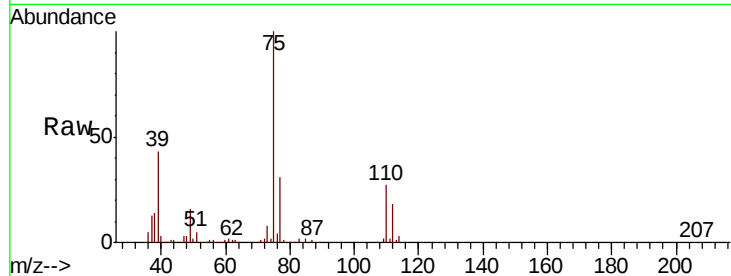


#49

cis-1,3-Dichloropropene
Concen: 19.400 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

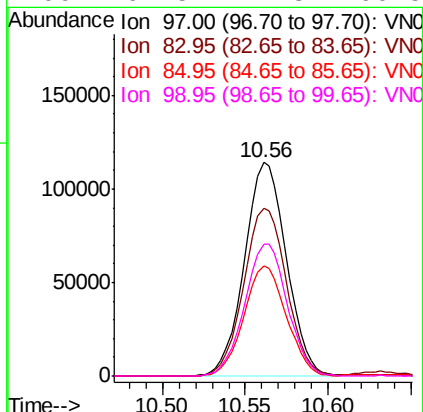
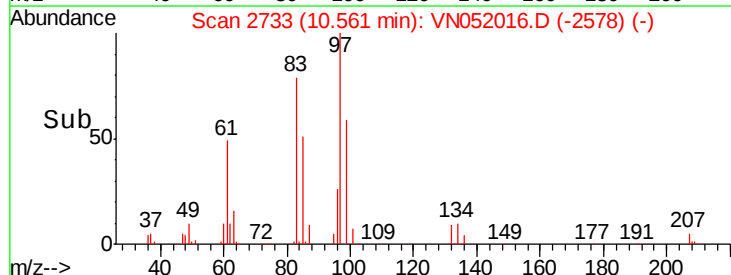
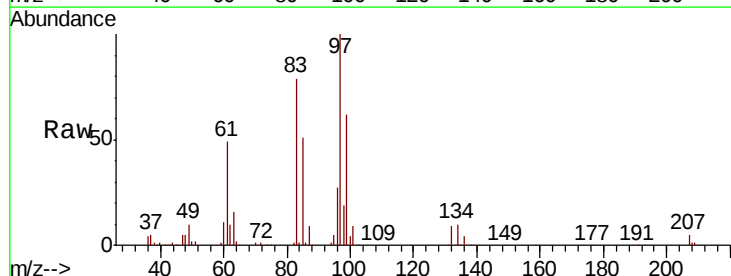
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	23.2	34.8
39	42.8	34.6	52.0

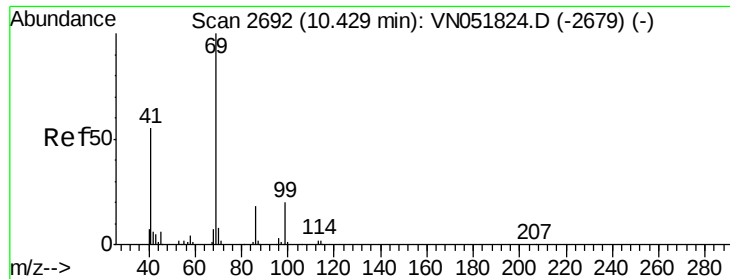


#50

1,1,2-Trichloroethane
Concen: 21.724 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.8	68.2	102.4
85	51.3	42.5	63.7
99	61.5	44.3	66.5





#51

Ethyl methacrylate

Concen: 19.167 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

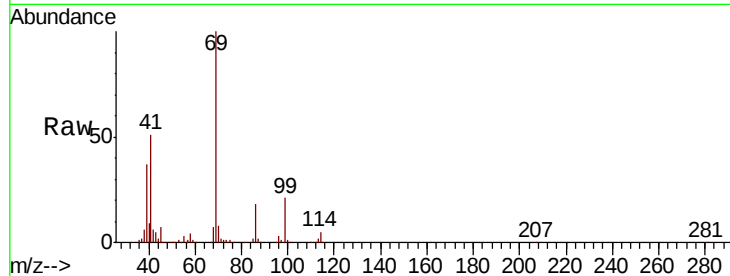
Tot Ion: 69 Resp: 203405

Ion Ratio Lower Upper

69 100

41 51.1 34.4 103.1

39 36.9 16.3 48.8

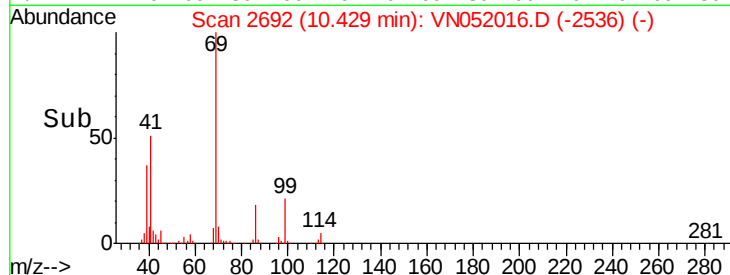


Abundance Ion 69.00 (68.70 to 69.70): VN051824.D (-2679) (-)

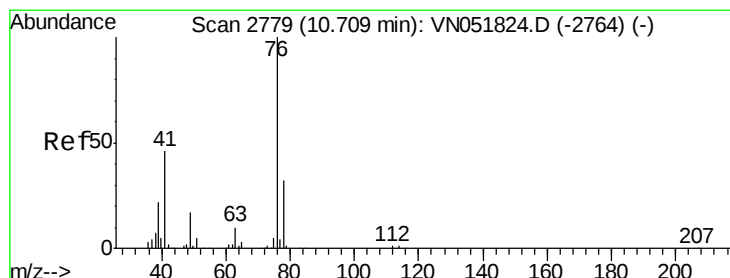
Ion 41.00 (40.70 to 41.70): VN051824.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN051824.D (-2679) (-)

10.43



Time-->



#52

1,3-Dichloropropane

Concen: 20.929 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052016.D

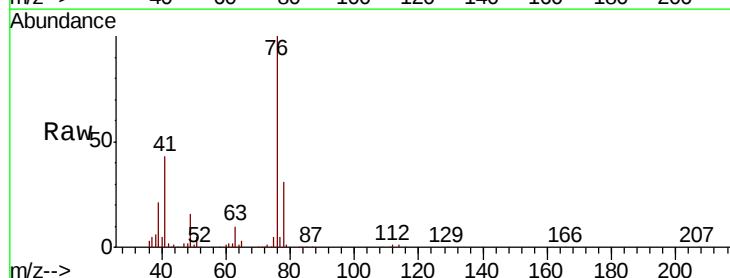
Acq: 25 Oct 2018 17:50

Tgt Ion: 76 Resp: 299411

Ion Ratio Lower Upper

76 100

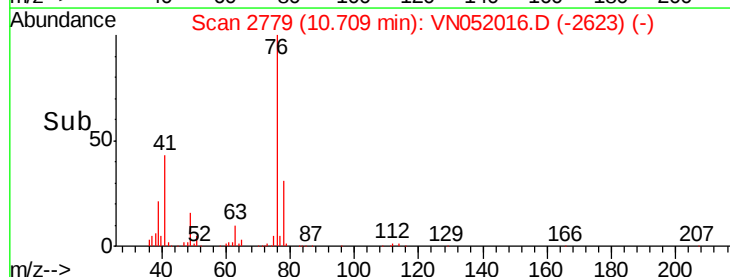
78 31.3 0.0 67.6



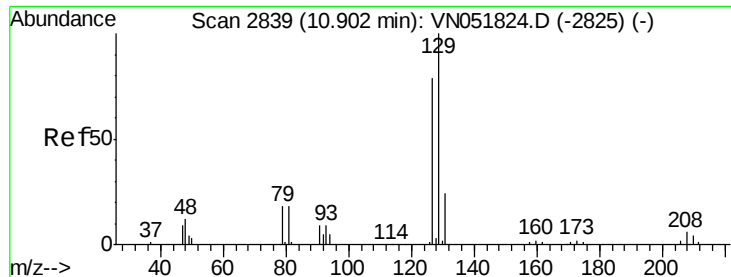
Abundance Ion 76.00 (75.70 to 76.70): VN051824.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN051824.D (-2764) (-)

10.71



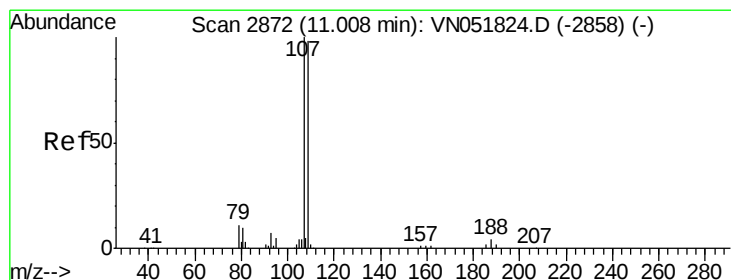
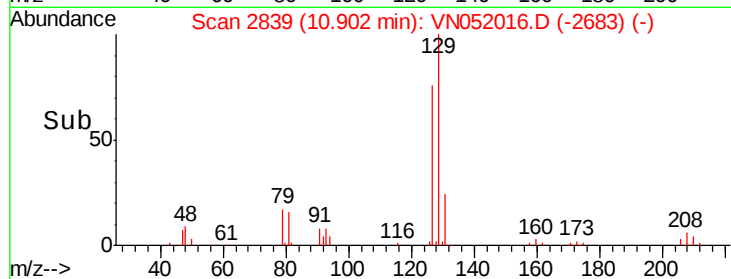
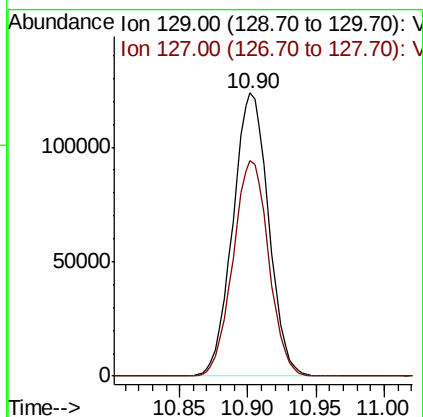
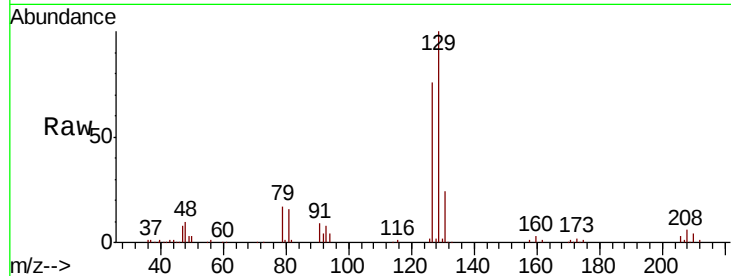
Time-->



#53
Dibromochloromethane
Concen: 19.624 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

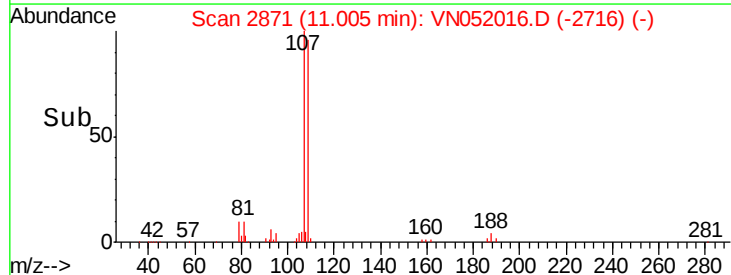
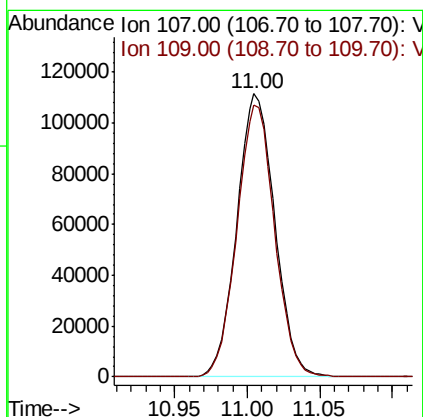
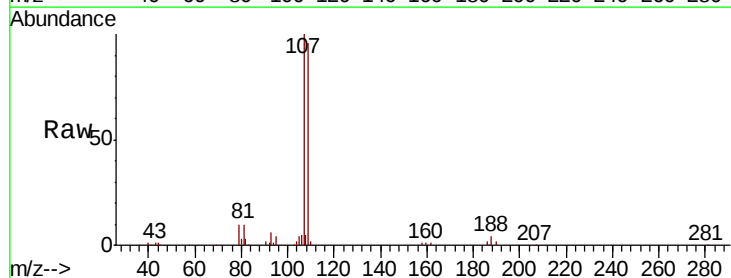
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

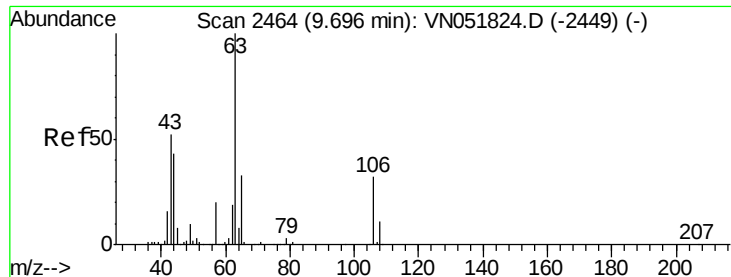
Tot Ion:129 Resp: 225029
Ion Ratio Lower Upper
129 100
127 75.8 40.2 120.5



#54
1,2-Dibromoethane
Concen: 20.820 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion:107 Resp: 202564
Ion Ratio Lower Upper
107 100
109 95.5 77.4 116.0

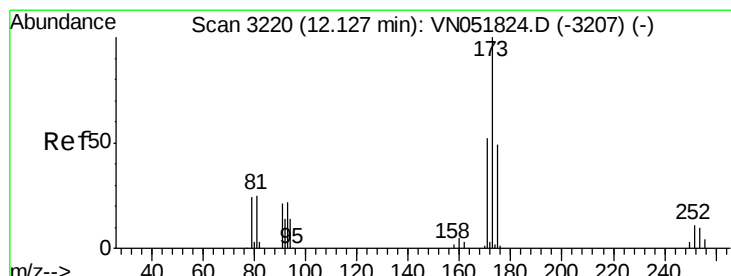
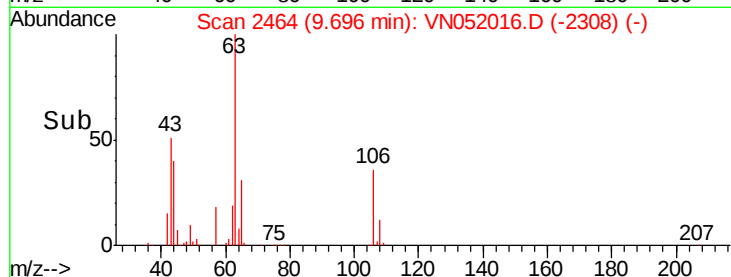
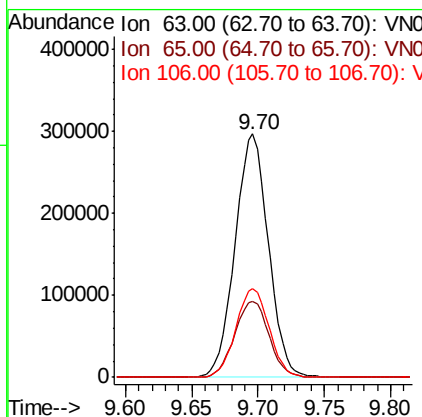
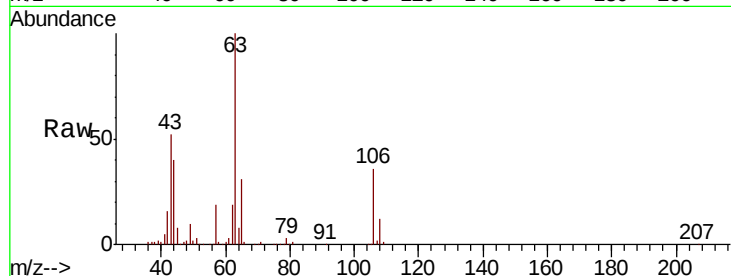




#55
2-Chloroethyl vinyl ether
Concen: 114.276 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

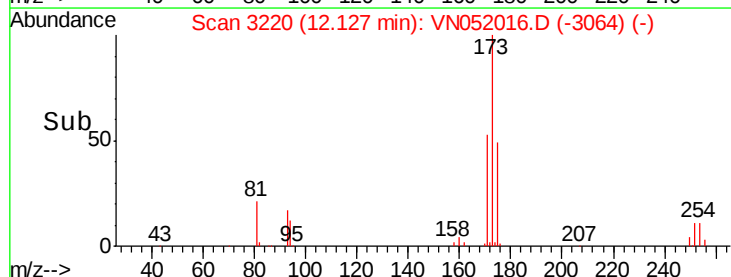
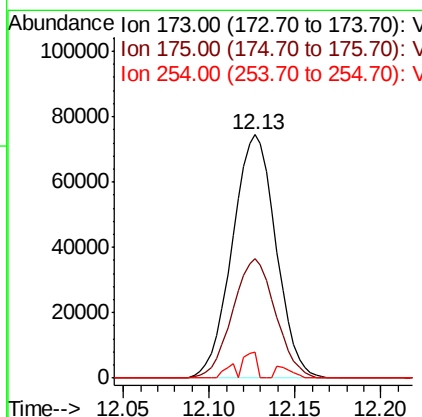
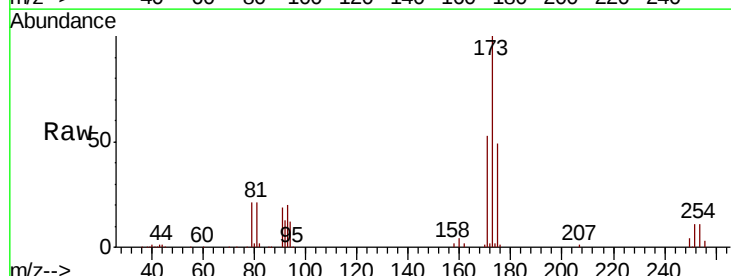
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

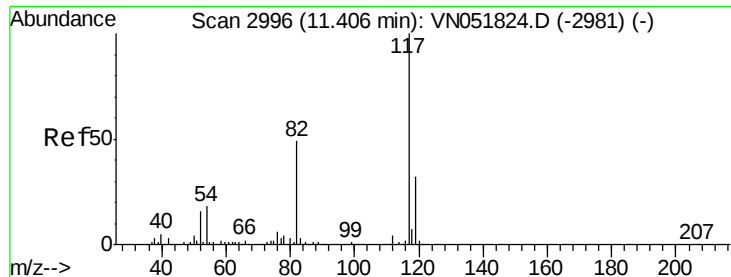
Tot Ion: 63 Resp: 518428
Ion Ratio Lower Upper
63 100
65 32.3 25.4 38.0
106 36.6 21.2 31.8#



#56
Bromoform
Concen: 17.393 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion: 173 Resp: 131539
Ion Ratio Lower Upper
173 100
175 48.2 35.8 53.8
254 3.2 8.6 13.0#

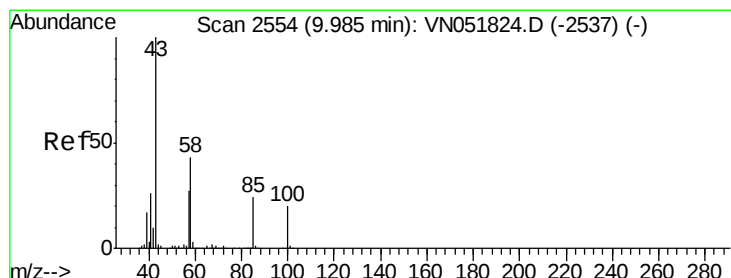
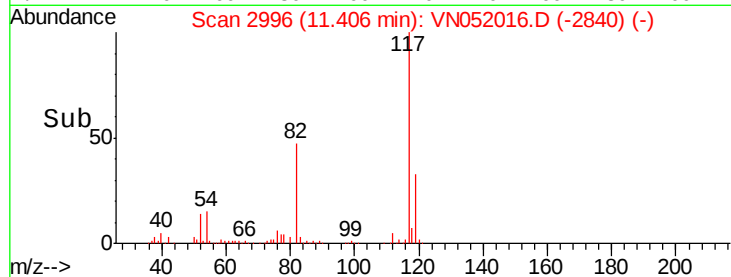
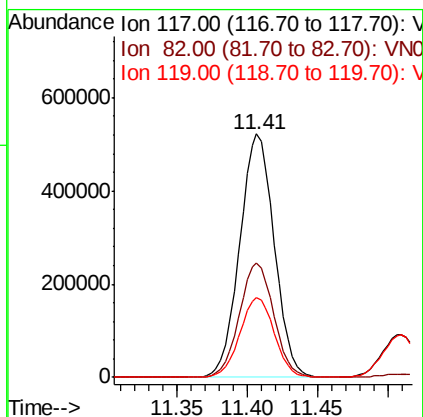
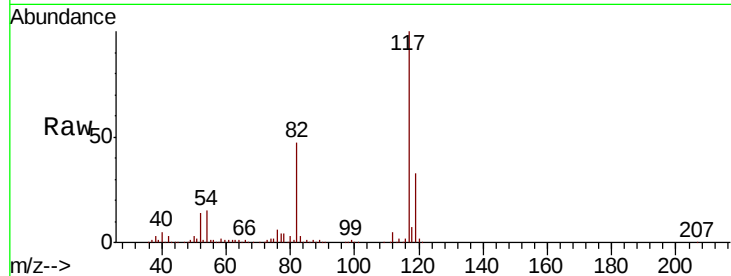




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

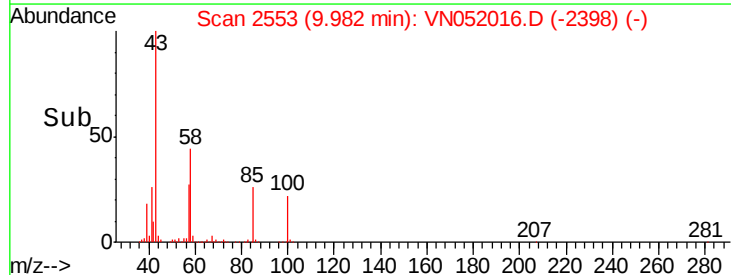
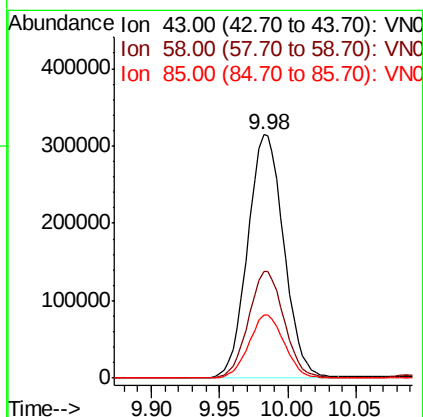
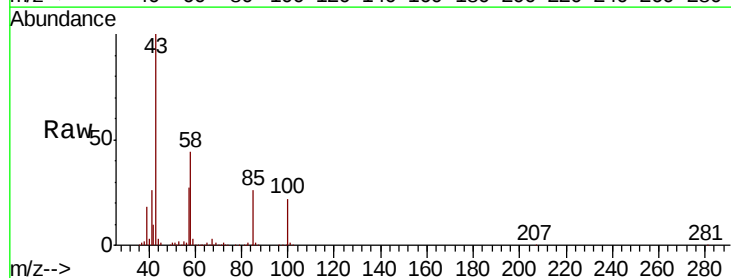
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

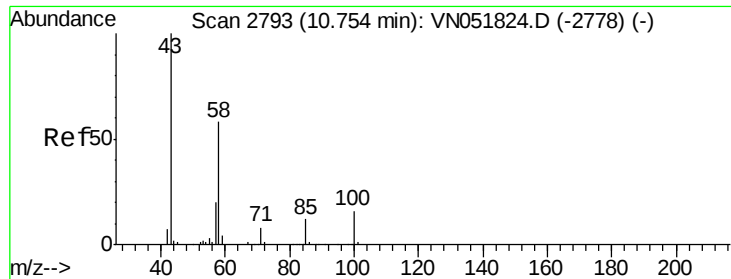
Tot Ion	Ratio	Lower	Upper
117	100		
82	46.7	44.1	66.1
119	32.6	25.8	38.8



#58
4-Methyl-2-Pentanone
Concen: 96.204 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.4	29.3	43.9
85	25.5	12.6	18.8

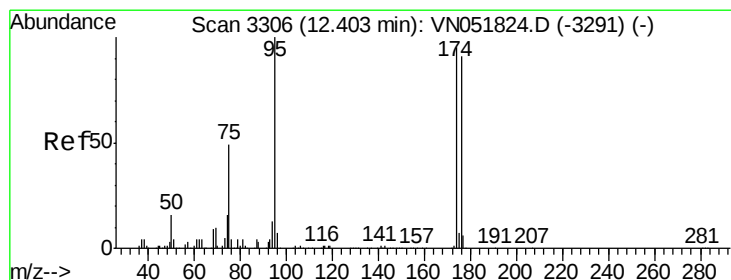
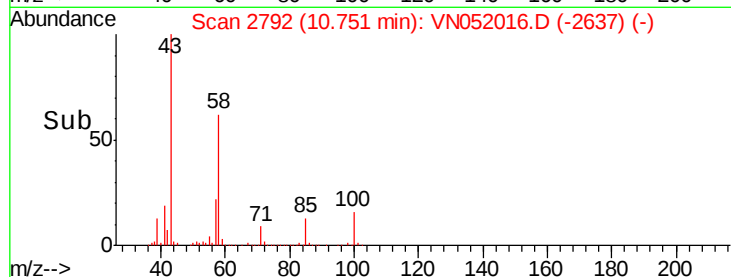
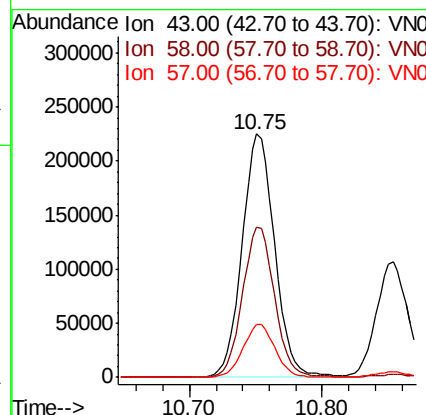
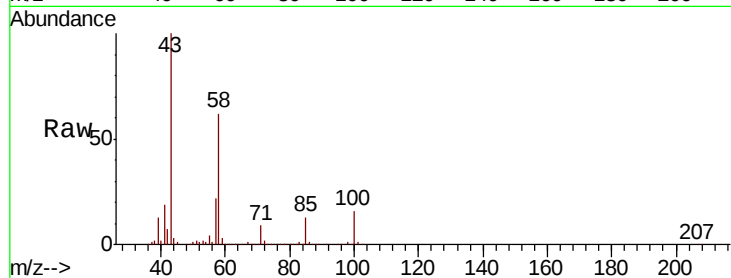




#59
2-Hexanone
Concen: 94.110 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

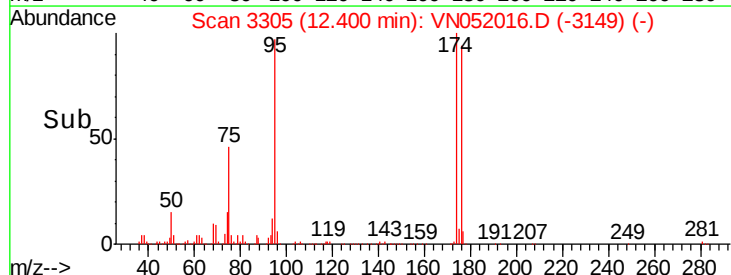
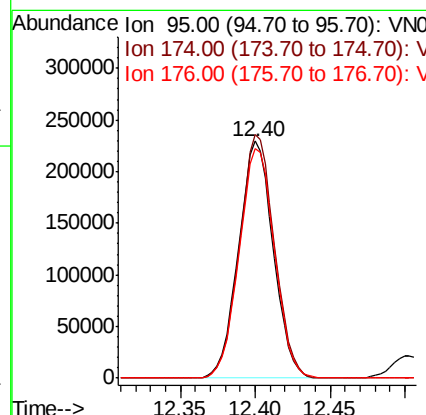
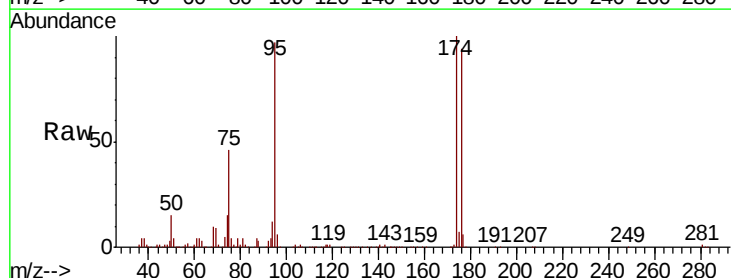
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

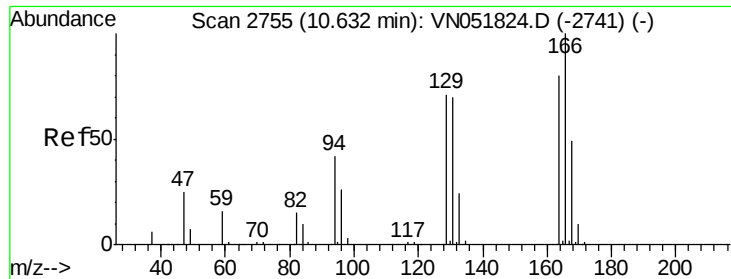
Tot Ion: 43 Resp: 380902
Ion Ratio Lower Upper
43 100
58 61.0 41.3 61.9
57 21.6 13.4 20.0#



#60
4-Bromofluorobenzene
Concen: 94.110 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion: 95 Resp: 370354
Ion Ratio Lower Upper
95 100
174 103.3 73.5 110.3
176 98.6 70.2 105.2

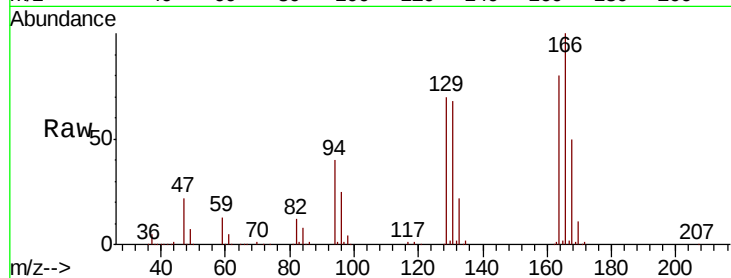




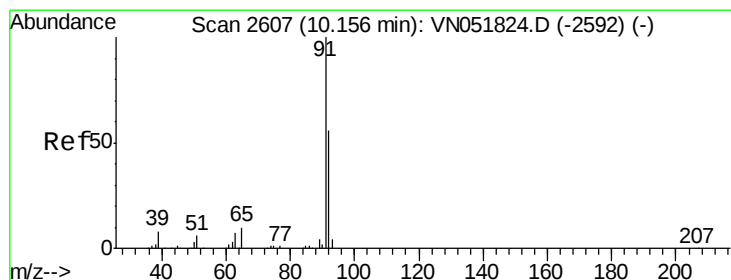
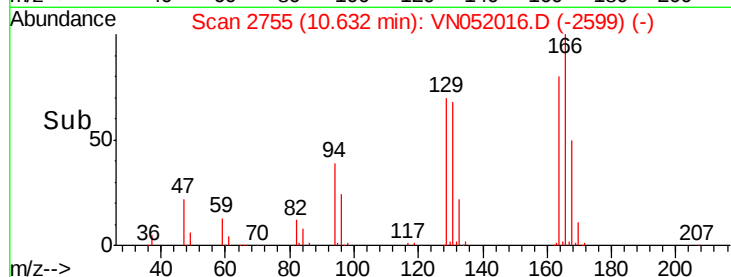
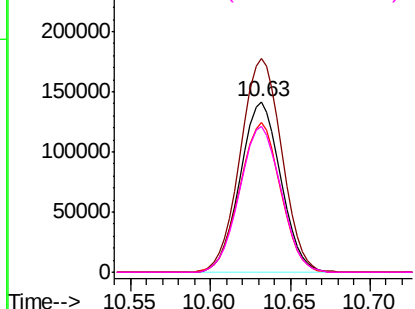
#61
Tetrachloroethene
Concen: 21.379 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

Tot Ion:164 Resp: 245111
Ion Ratio Lower Upper
164 100
166 125.4 98.7 148.1
129 87.9 69.6 104.4
131 85.4 72.4 108.6

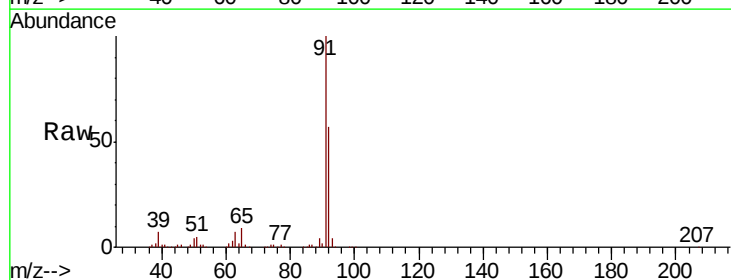


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

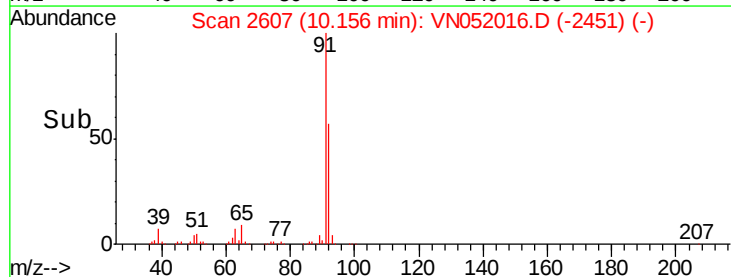
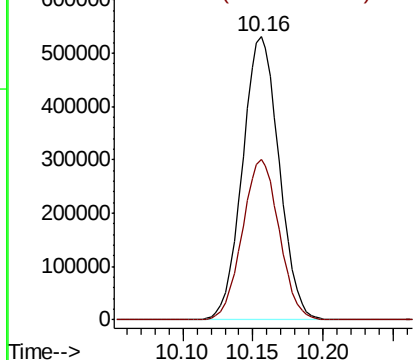


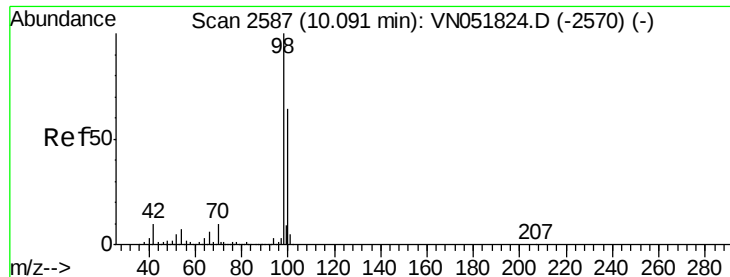
#62
Toluene
Concen: 21.695 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion: 91 Resp: 966231
Ion Ratio Lower Upper
91 100
92 57.0 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 21.695 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

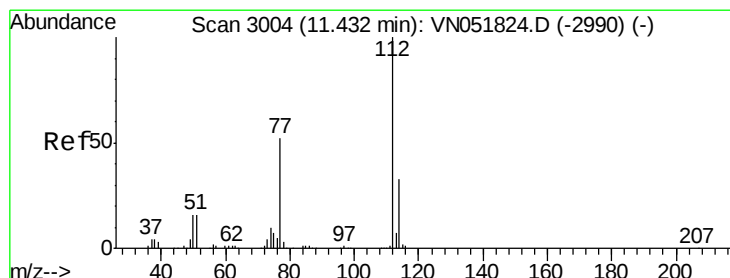
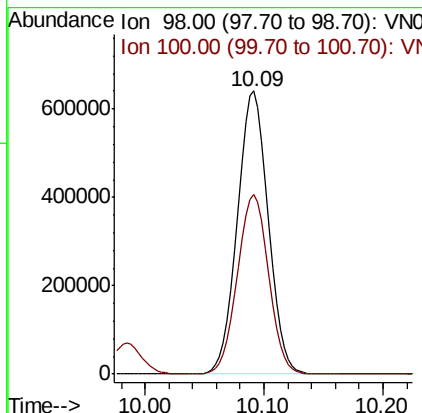
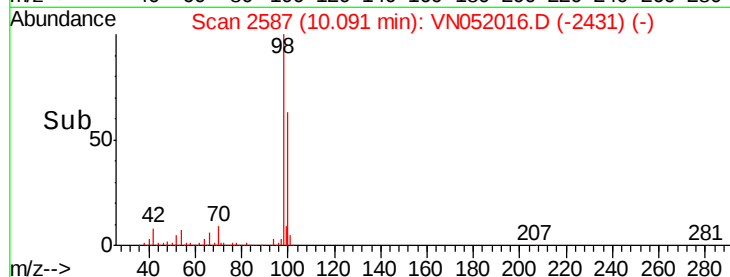
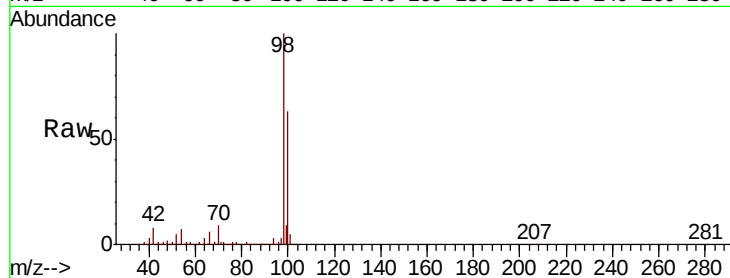
VN1025WBSD02

Tot Ion: 98 Resp: 1153603

Ion Ratio Lower Upper

98 100

100 64.1 50.8 76.2



#64

Chlorobenzene

Concen: 22.249 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052016.D

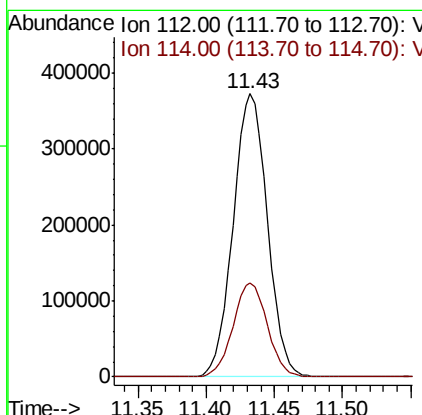
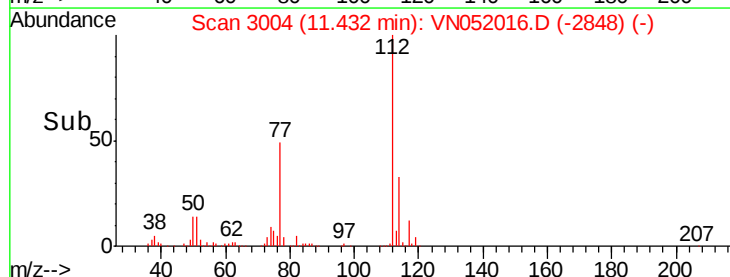
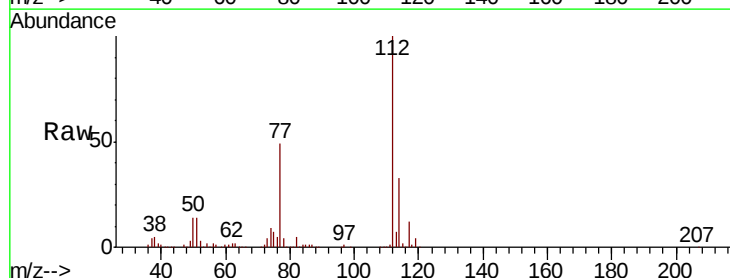
Acq: 25 Oct 2018 17:50

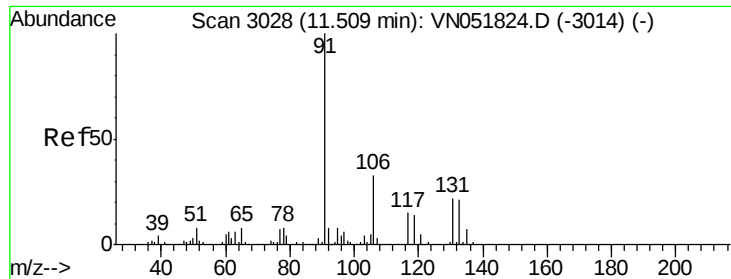
Tgt Ion: 112 Resp: 648954

Ion Ratio Lower Upper

112 100

114 33.2 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 21.688 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

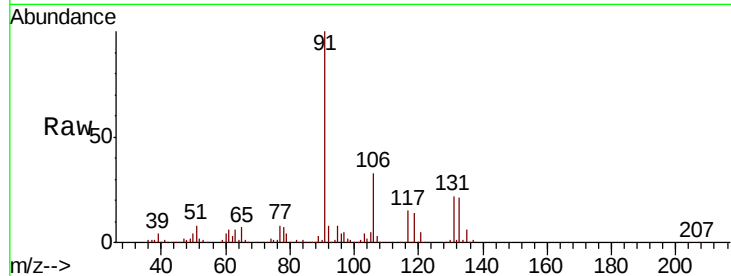
Tot Ion:131 Resp: 242815

Ion Ratio Lower Upper

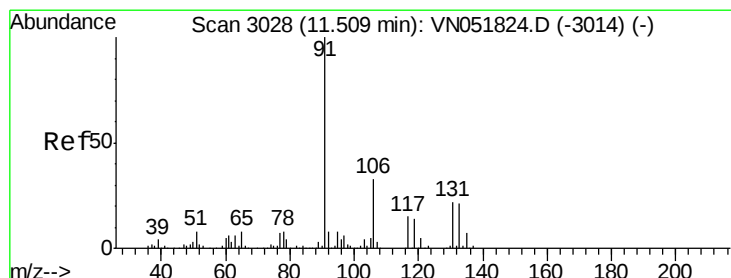
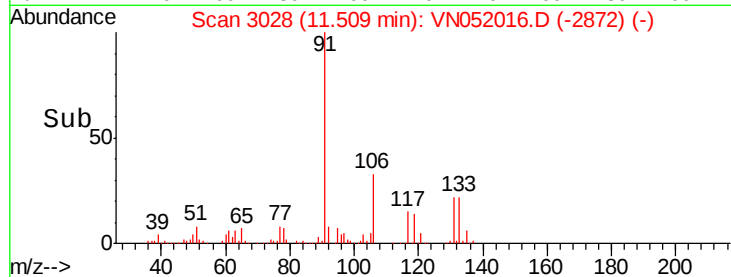
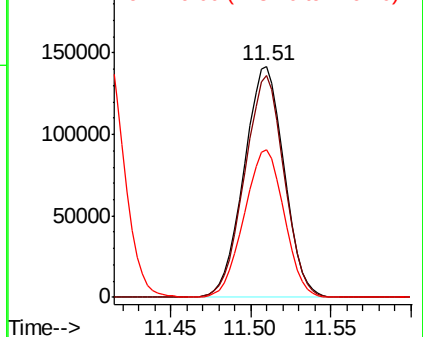
131 100

133 95.0 0.0 190.4

119 63.7 0.0 128.0



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 21.133 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052016.D

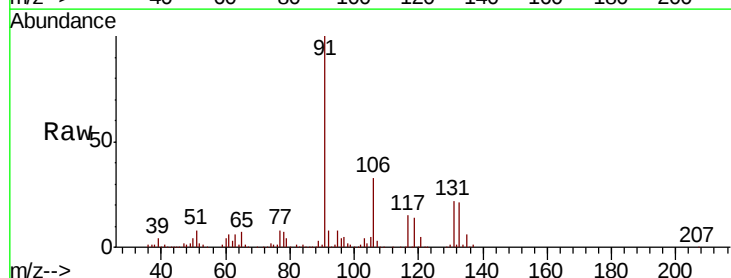
Acq: 25 Oct 2018 17:50

Tgt Ion: 91 Resp: 1040217

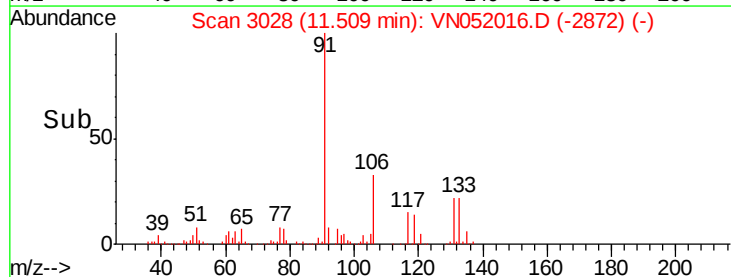
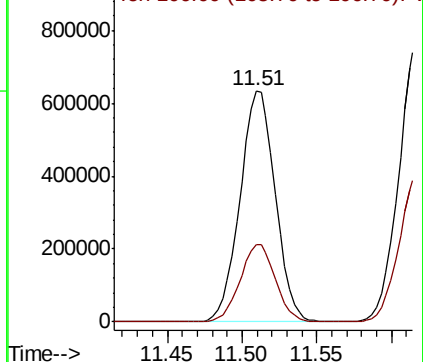
Ion Ratio Lower Upper

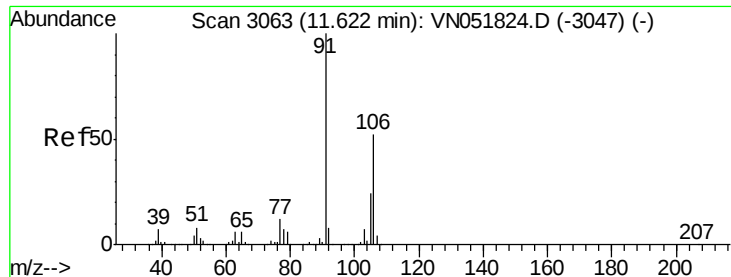
91 100

106 33.5 25.9 38.9



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





#67

m/p-Xylenes

Concen: 42.581 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

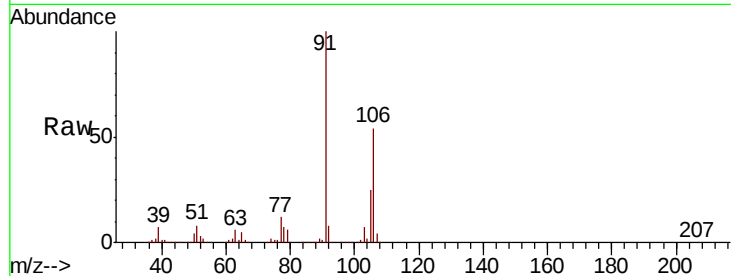
VN1025WBSD02

Tot Ion:106 Resp: 849741

Ion Ratio Lower Upper

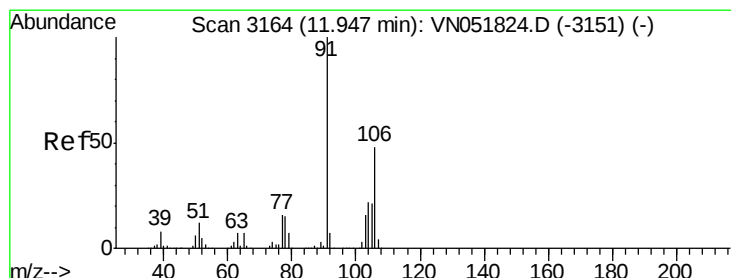
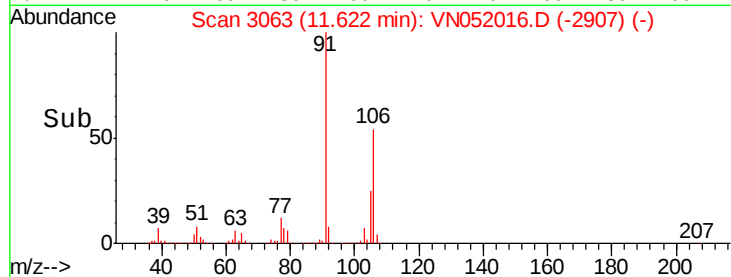
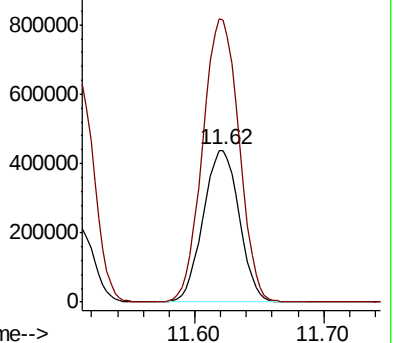
106 100

91 188.2 158.8 238.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.982 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN052016.D

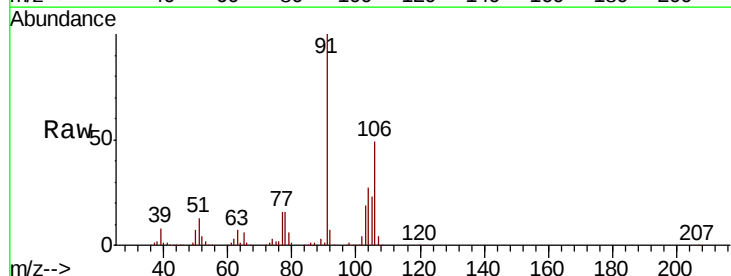
Acq: 25 Oct 2018 17:50

Tgt Ion:106 Resp: 412785

Ion Ratio Lower Upper

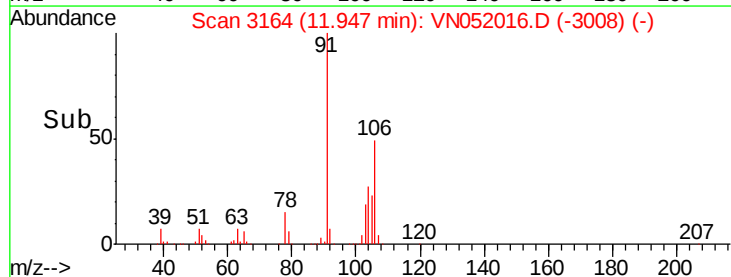
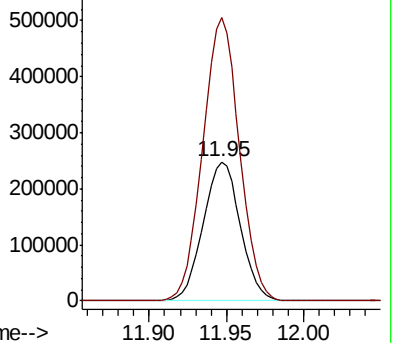
106 100

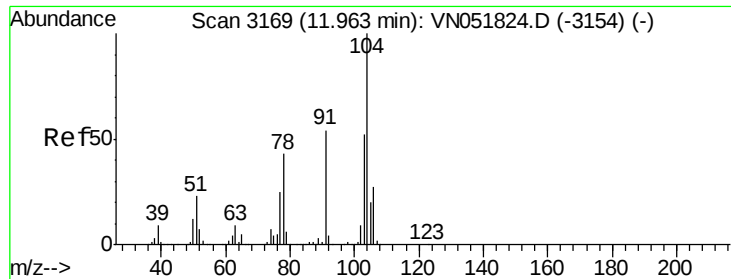
91 200.8 111.1 333.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

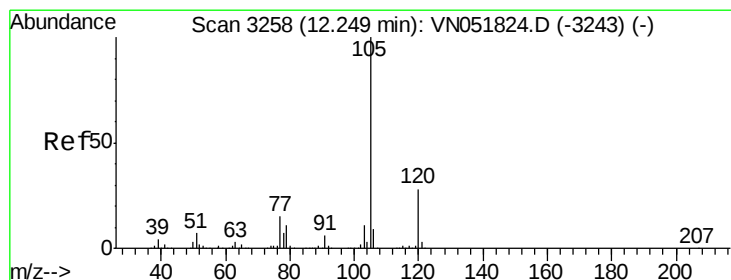
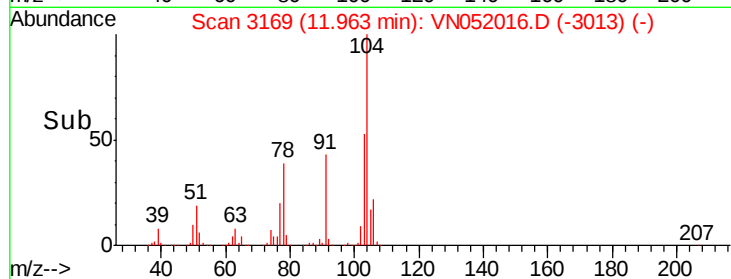
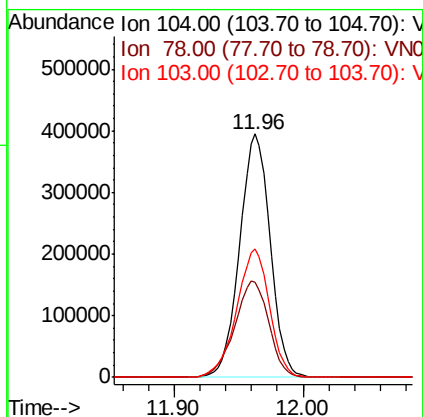
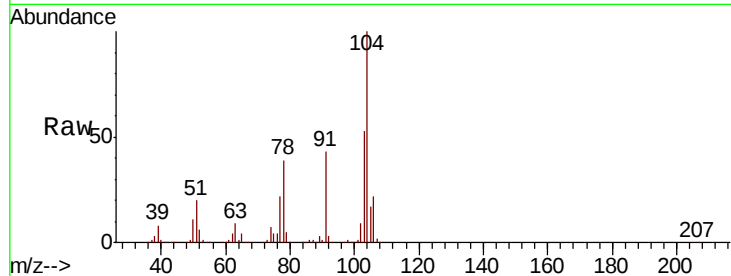




#69
Stvrene
Concen: 21.620 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

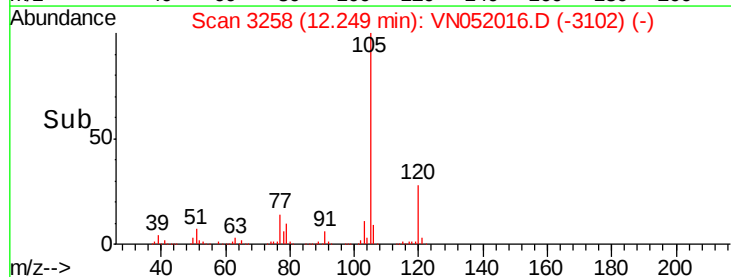
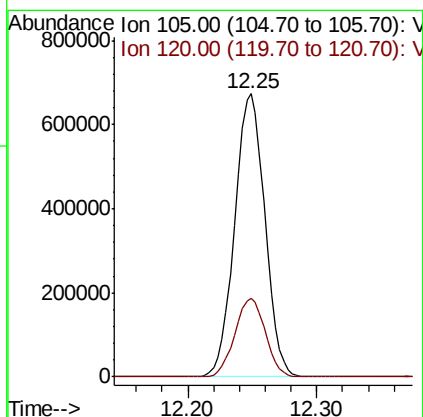
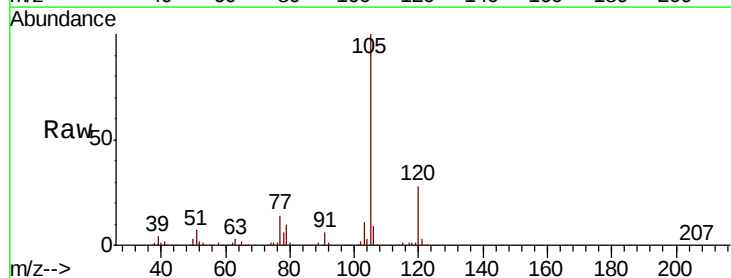
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

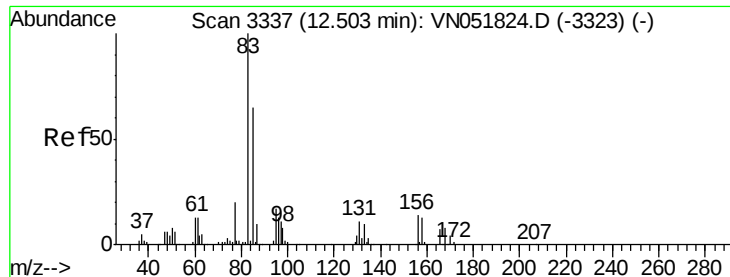
Tot Ion	Ratio	Lower	Upper
104	100		
78	44.3	40.6	60.8
103	56.6	44.0	66.0



#70
Isopropylbenzene
Concen: 20.833 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.1	19.0	35.4

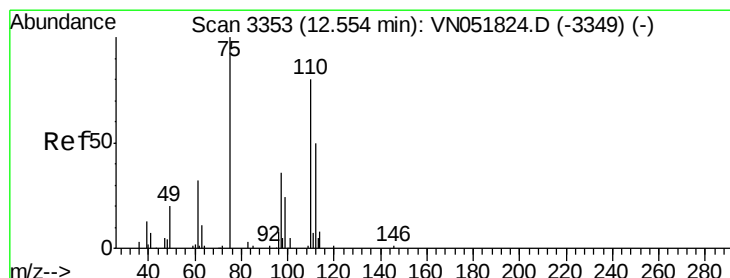
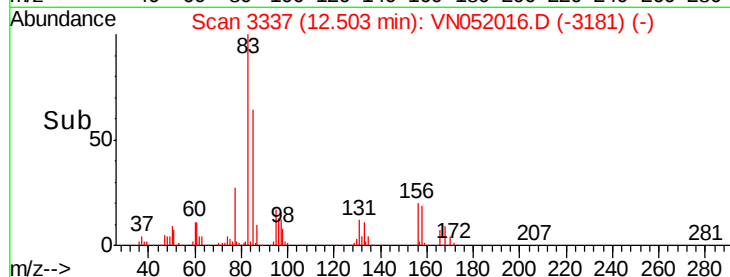
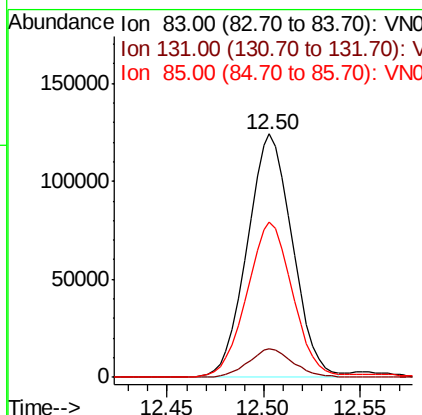
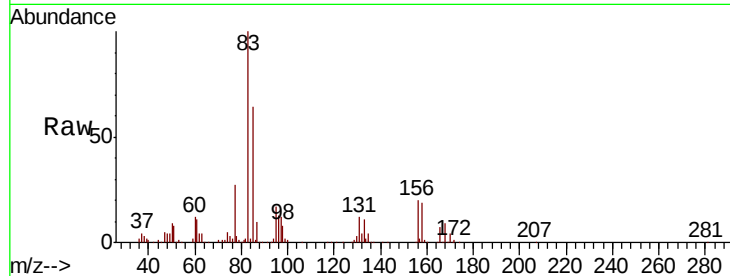




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.473 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN052016.D
 Acq: 25 Oct 2018 17:50

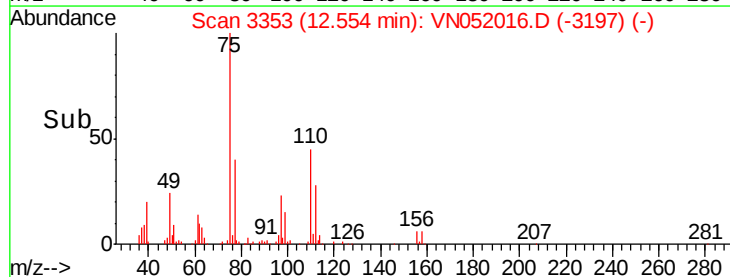
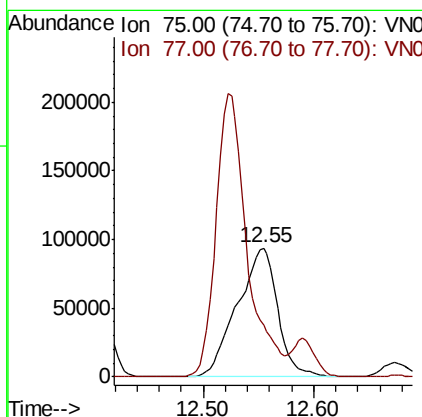
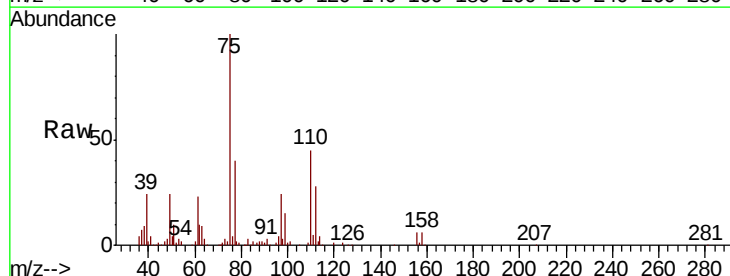
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

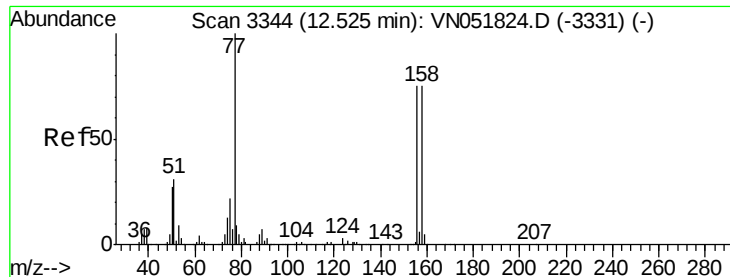
Tot Ion	83	Resp	201747
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.5	16.4
85	64.6	30.6	91.8



#72
 1,2,3-Trichloropropane
 Concen: 29.165 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN052016.D
 Acq: 25 Oct 2018 17:50

Tgt Ion	75	Resp	237704
Ion Ratio	Lower	Upper	
75	100		
77	169.0	0.0	400.0





#73

Bromobenzene

Concen: 22.721 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

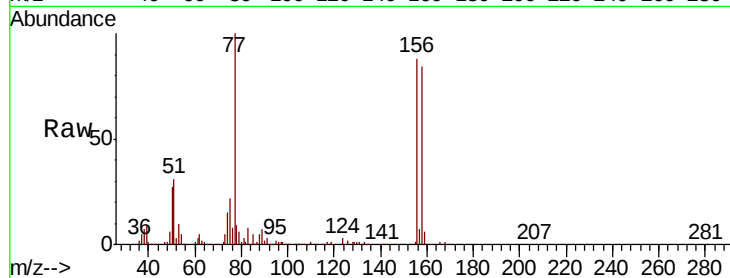
Tot Ion:156 Resp: 295252

Ion Ratio Lower Upper

156 100

77 136.0 0.0 377.4

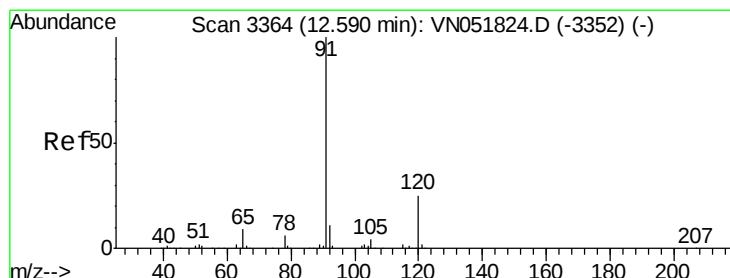
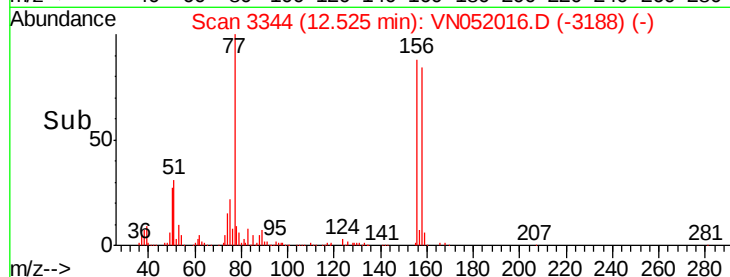
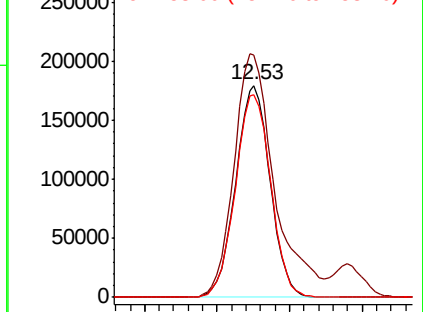
158 98.6 0.0 203.0



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: 20.557 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052016.D

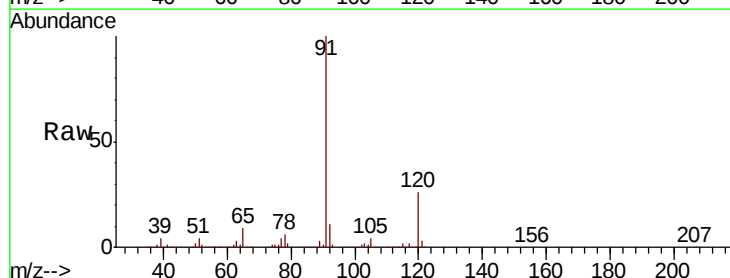
Acq: 25 Oct 2018 17:50

Tgt Ion: 91 Resp: 1160040

Ion Ratio Lower Upper

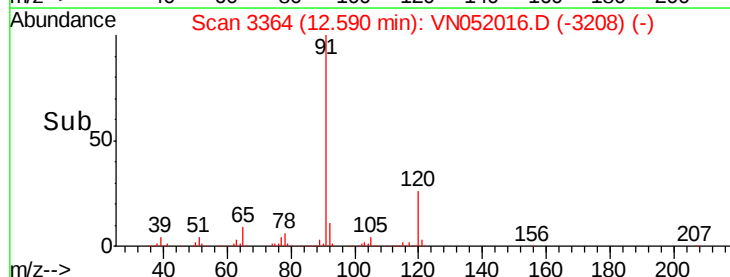
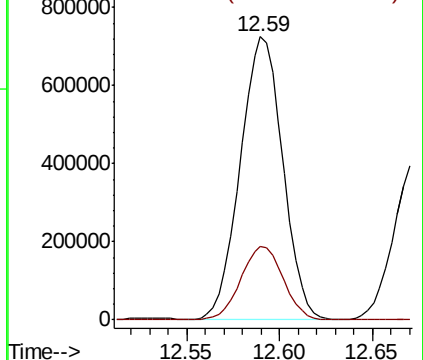
91 100

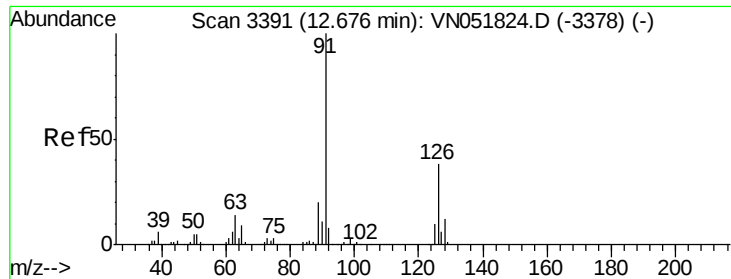
120 25.9 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.510 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

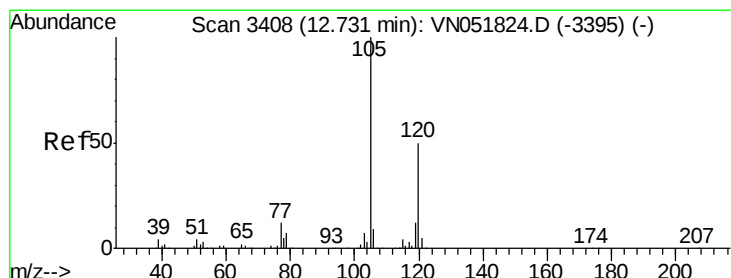
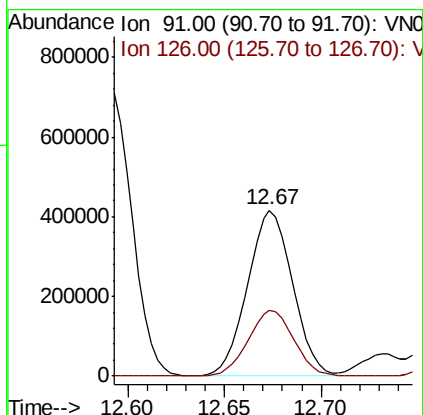
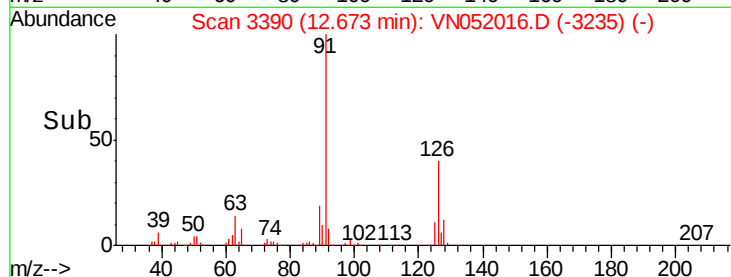
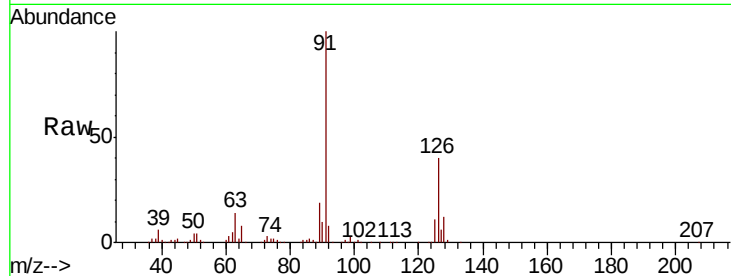
VN1025WBSD02

Tot Ion: 91 Resp: 678538

Ion Ratio Lower Upper

91 100

126 40.3 0.0 67.6



#76

1,3,5-Trimethylbenzene

Concen: 20.310 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052016.D

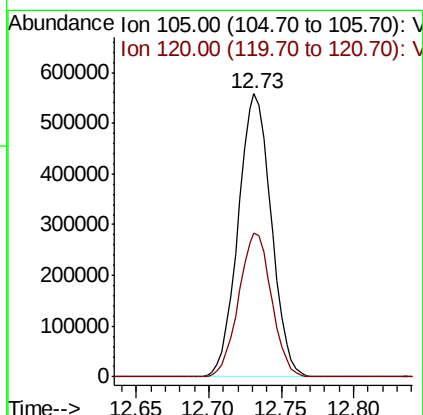
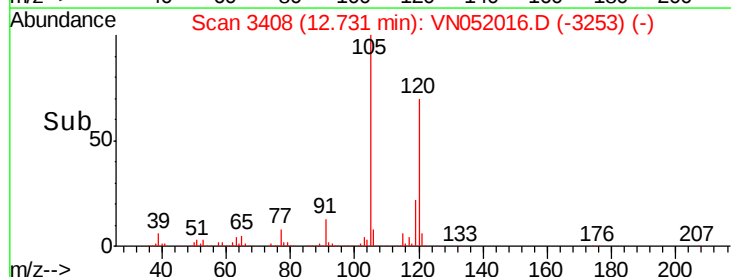
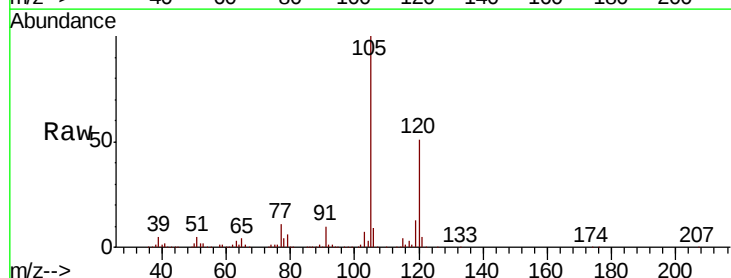
Acq: 25 Oct 2018 17:50

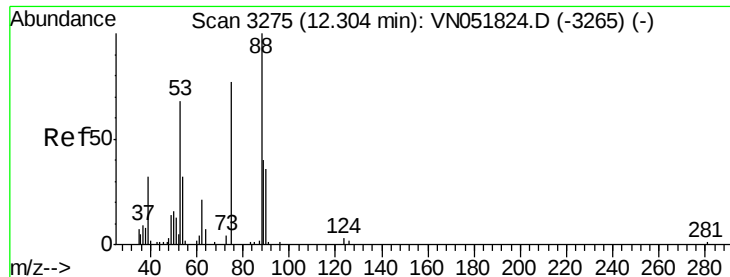
Tgt Ion: 105 Resp: 881104

Ion Ratio Lower Upper

105 100

120 50.6 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 15.701 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

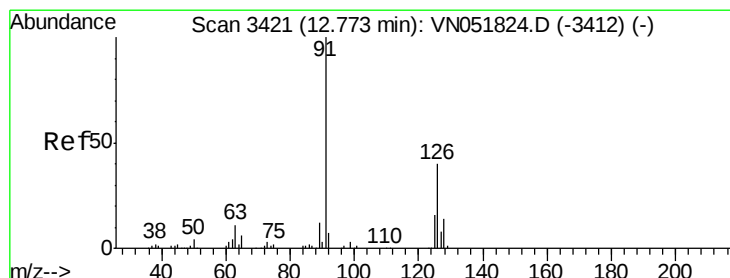
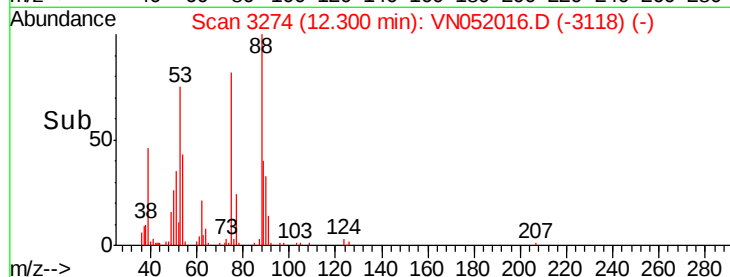
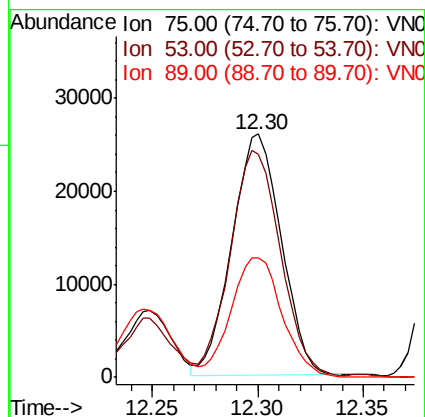
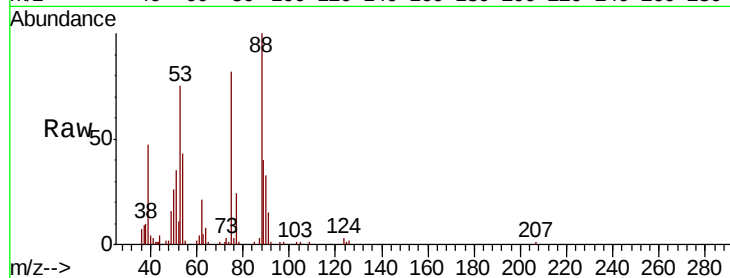
Tot Ion: 75 Resp: 42323

Ion Ratio Lower Upper

75 100

53 91.9 46.3 138.9

89 49.7 24.6 73.8



#78

4-Chlorotoluene

Concen: 20.953 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052016.D

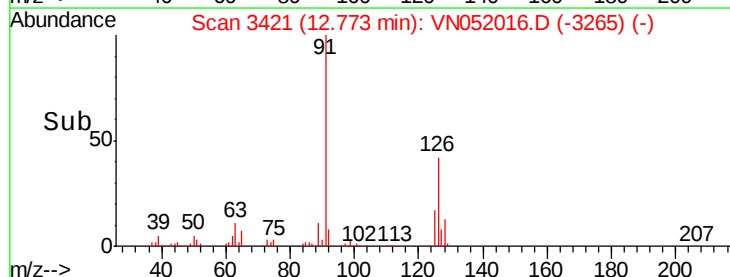
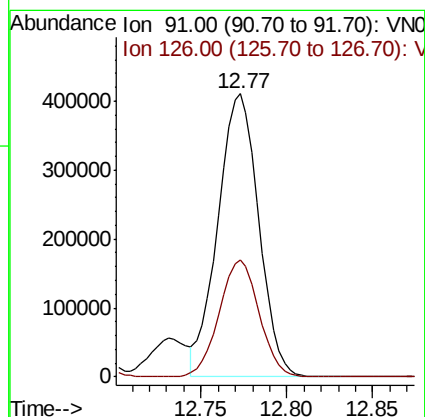
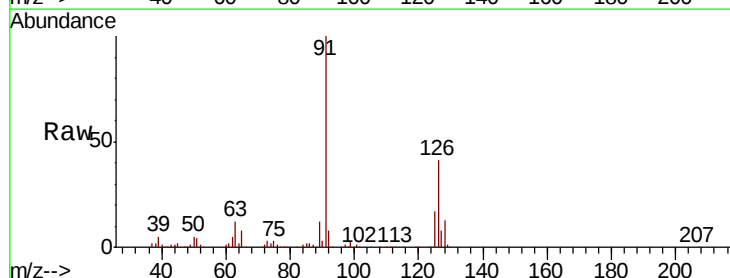
Acq: 25 Oct 2018 17:50

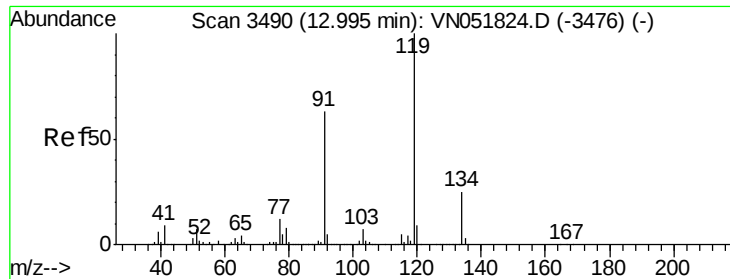
Tgt Ion: 91 Resp: 681078

Ion Ratio Lower Upper

91 100

126 40.4 0.0 65.2

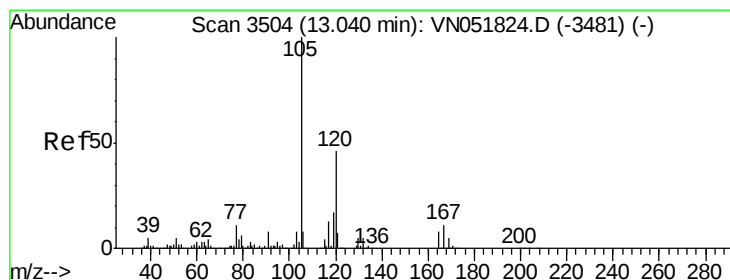
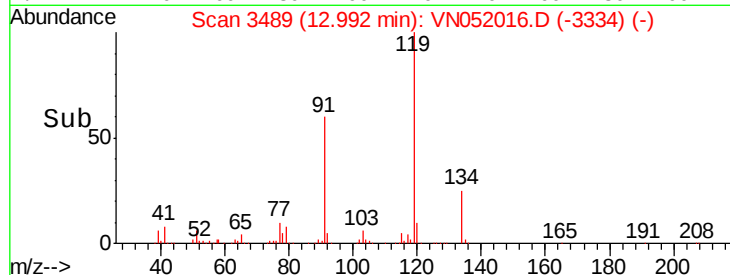
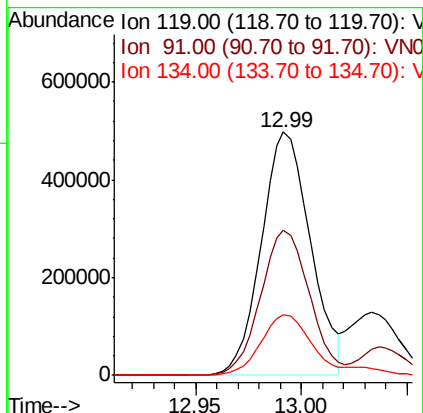
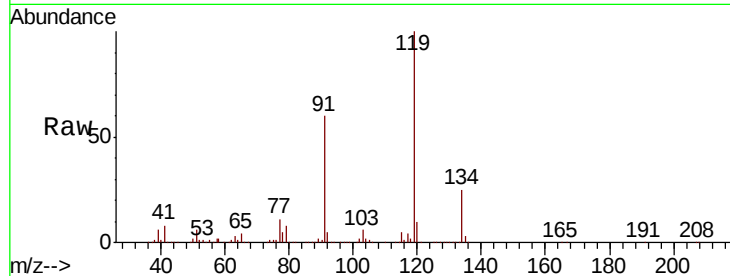




#79
tert-butylbenzene
Concen: 20.261 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

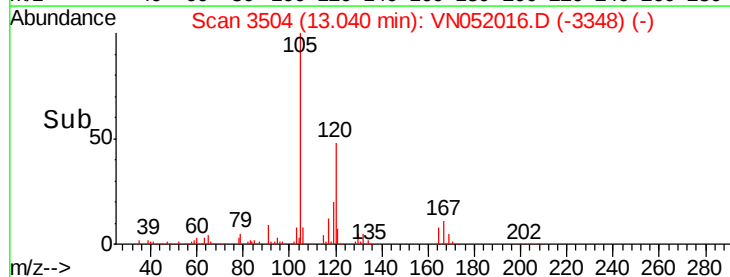
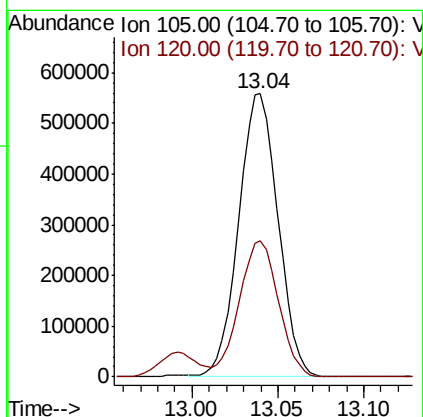
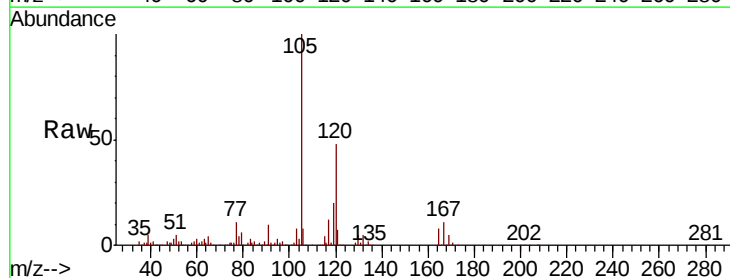
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

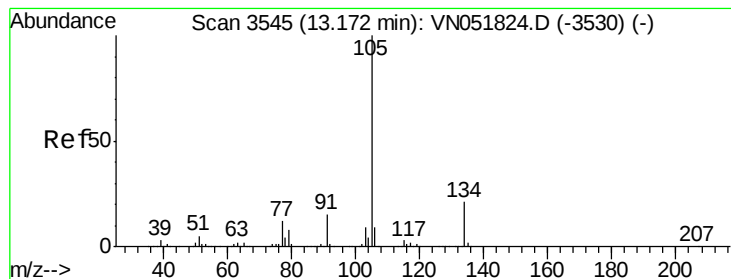
Tot Ion:119 Resp: 808333
Ion Ratio Lower Upper
119 100
91 59.3 0.0 131.6
134 25.3 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 20.499 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion:105 Resp: 888805
Ion Ratio Lower Upper
105 100
120 48.0 0.0 89.6





#81

sec-Butylbenzene

Concen: 20.017 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

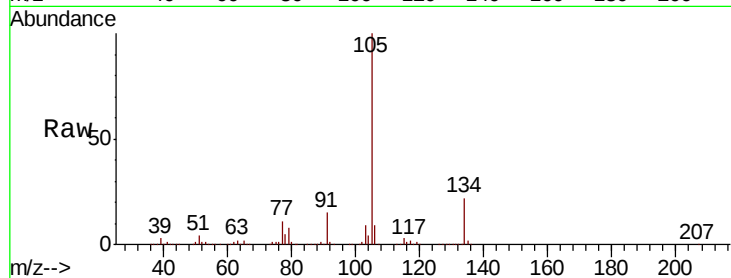
VN1025WBSD02

Tot Ion:105 Resp: 1044708

Ion Ratio Lower Upper

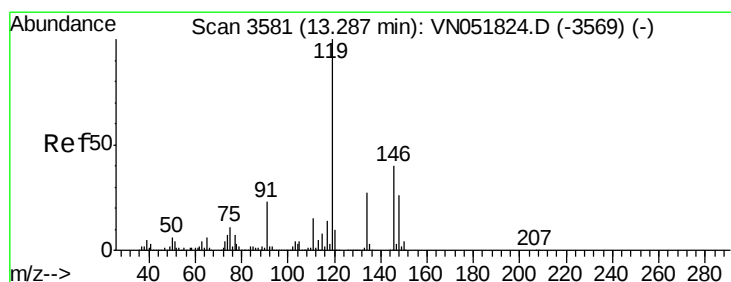
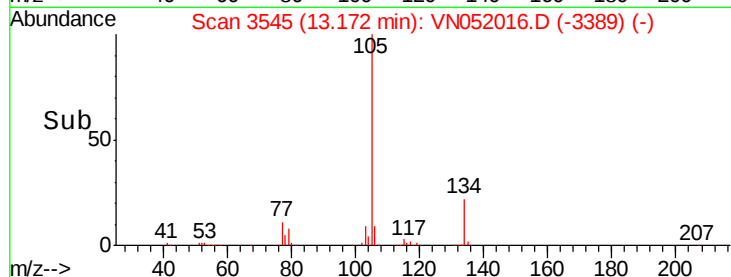
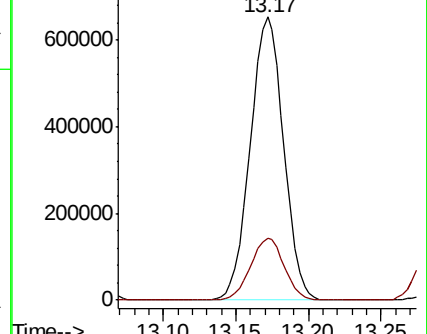
105 100

134 22.1 0.0 39.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.044 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

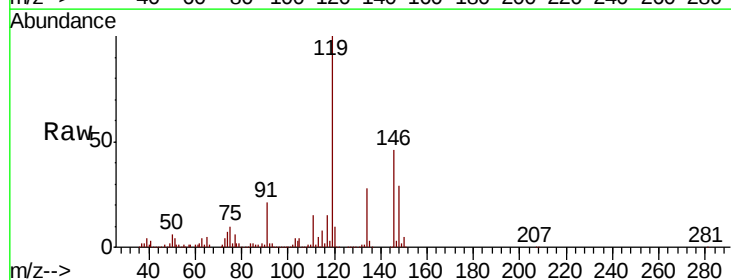
Tgt Ion:119 Resp: 936073

Ion Ratio Lower Upper

119 100

134 27.5 0.0 53.6

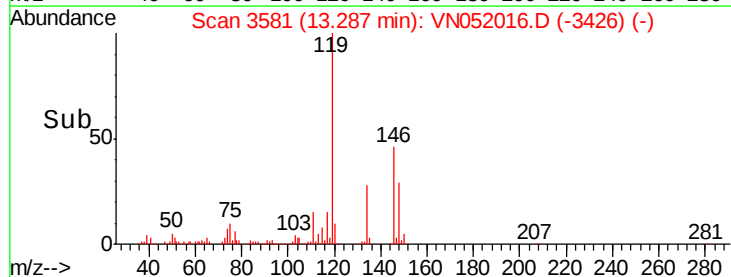
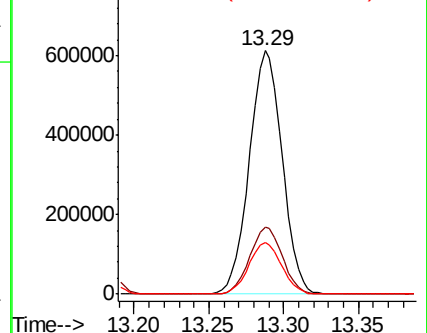
91 21.1 0.0 52.0

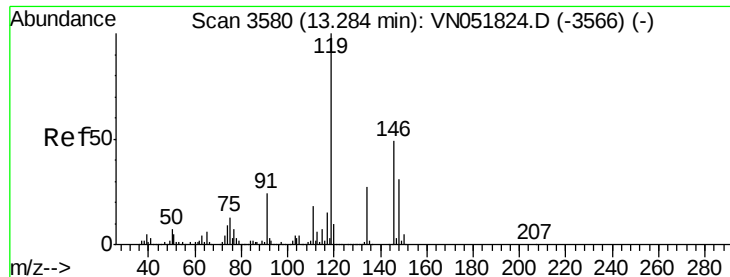


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 22.635 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

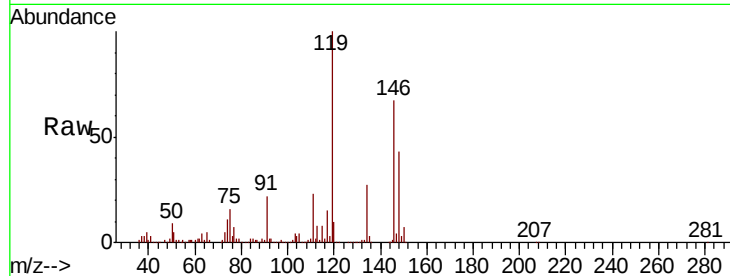
Tot Ion:146 Resp: 518995

Ion Ratio Lower Upper

146 100

111 34.8 18.1 54.3

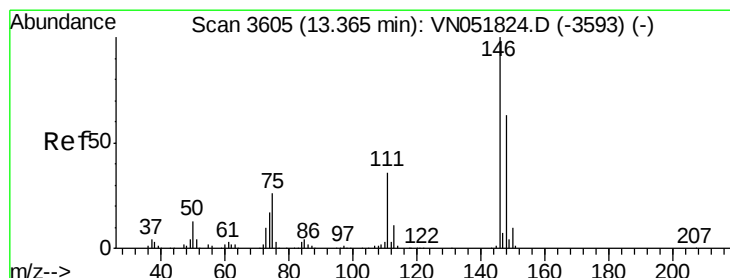
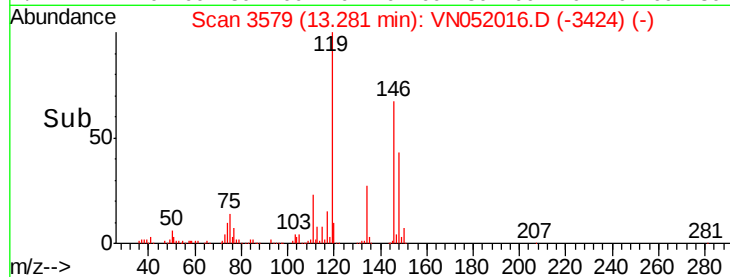
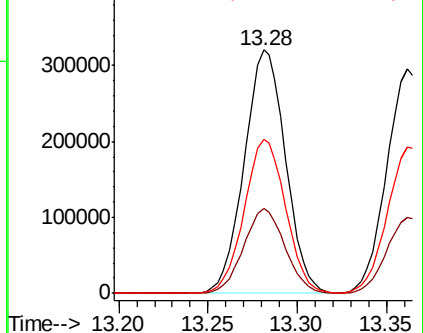
148 63.4 31.3 93.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 22.711 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

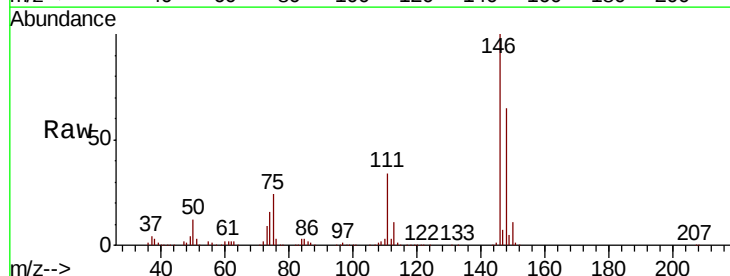
Tgt Ion:146 Resp: 490234

Ion Ratio Lower Upper

146 100

111 33.7 17.4 52.2

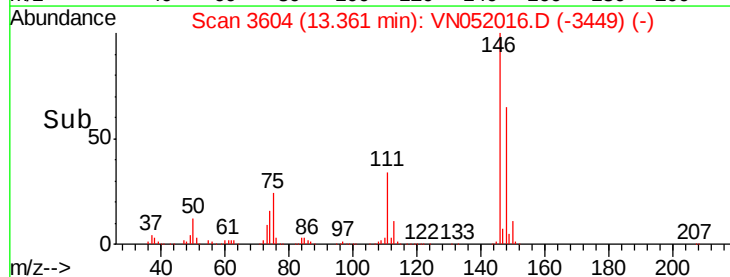
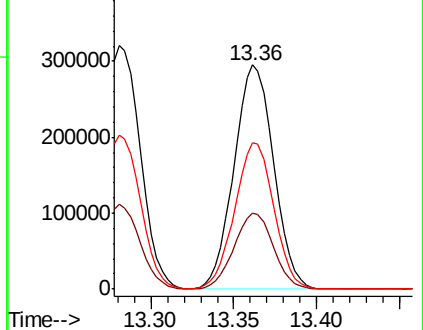
148 64.4 32.8 98.3

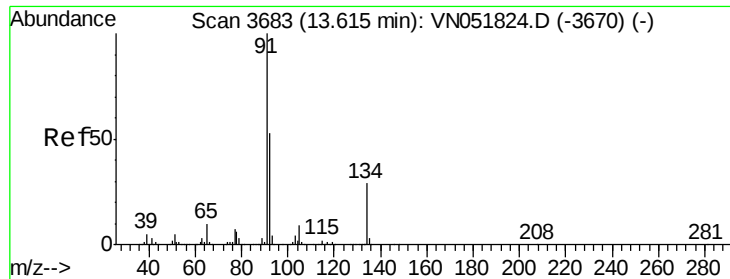


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

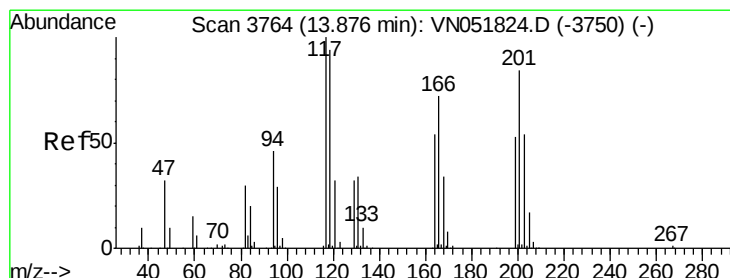
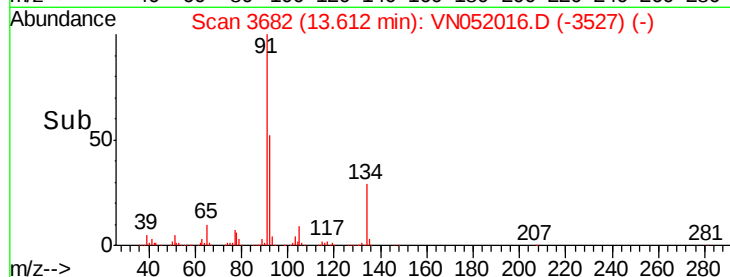
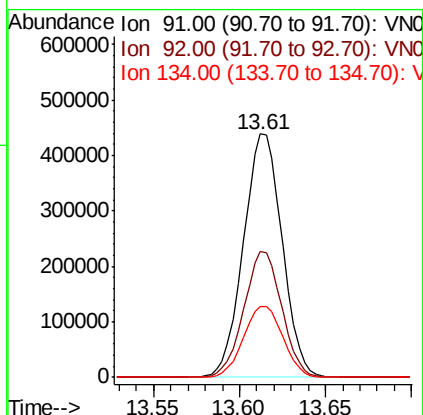
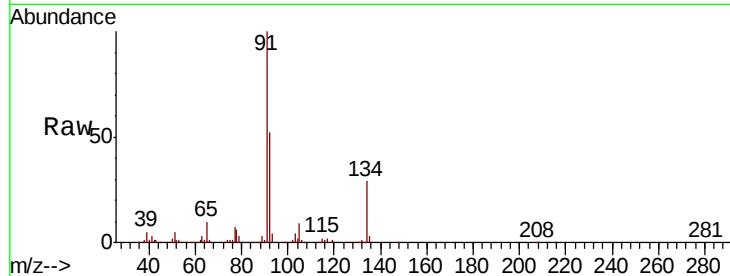




#85
n-Butylbenzene
Concen: 19.383 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

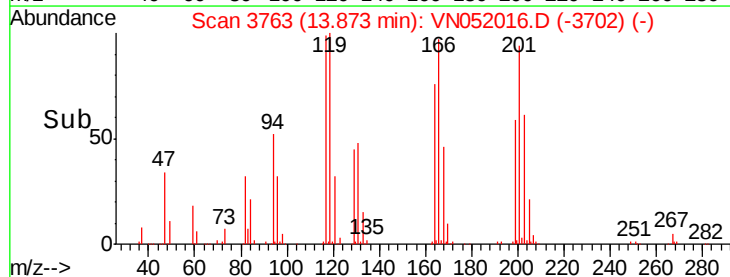
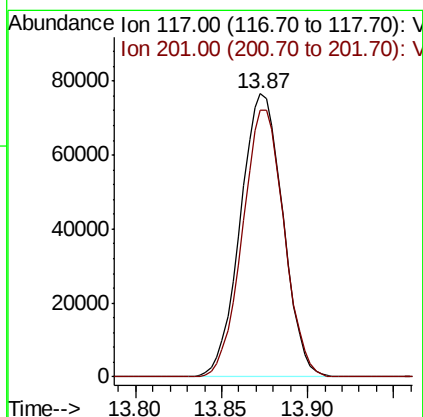
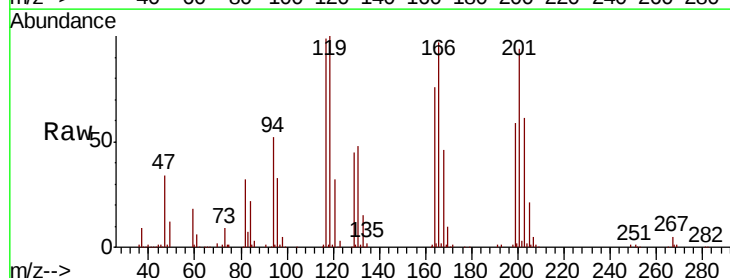
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBSD02

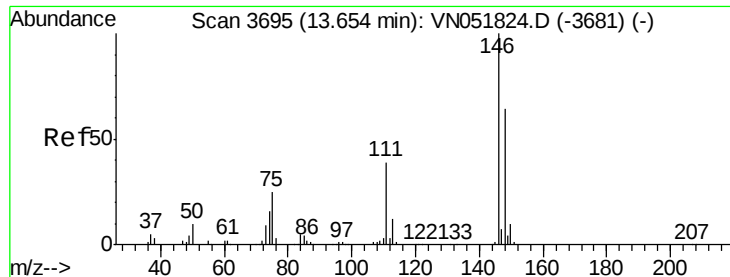
Tot Ion: 91 Resp: 682624
Ion Ratio Lower Upper
91 100
92 50.7 0.0 97.4
134 29.8 0.0 49.6



#86
Hexachloroethane
Concen: 16.357 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052016.D
Acq: 25 Oct 2018 17:50

Tgt Ion: 117 Resp: 131719
Ion Ratio Lower Upper
117 100
201 91.9 47.8 143.3





#87

1,2-Dichlorobenzene

Concen: 21.530 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

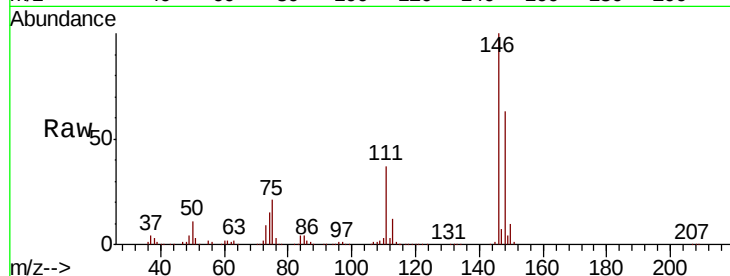
Tot Ion:146 Resp: 477927

Ion Ratio Lower Upper

146 100

111 35.9 20.8 62.2

148 63.7 33.2 99.6

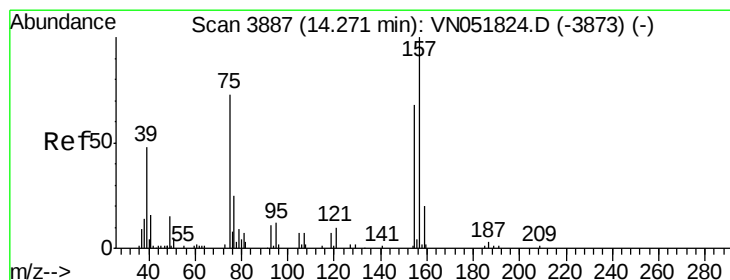
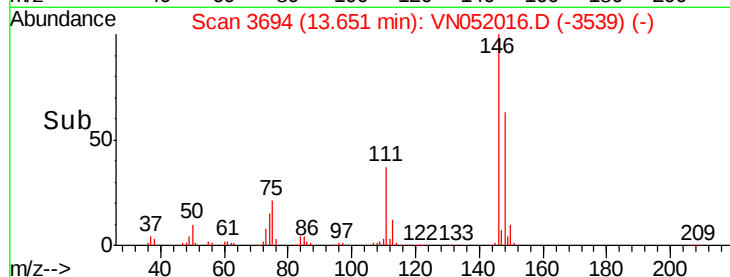
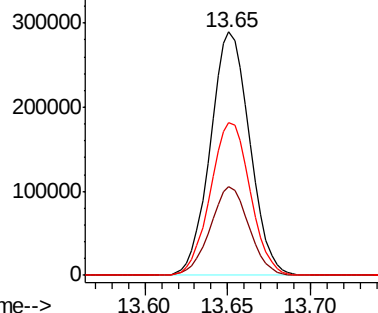


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 13.666 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

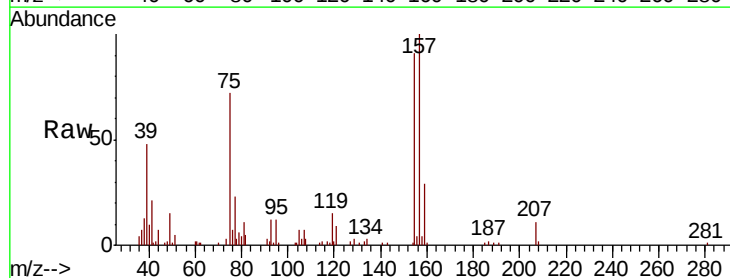
Tgt Ion: 75 Resp: 21144

Ion Ratio Lower Upper

75 100

155 121.6 57.0 85.6#

157 147.1 87.4 131.0#

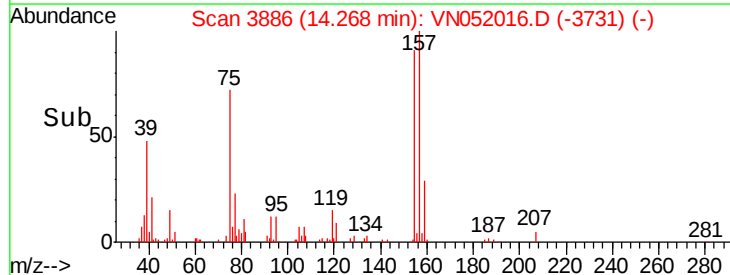
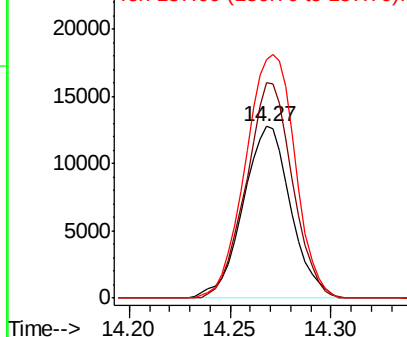


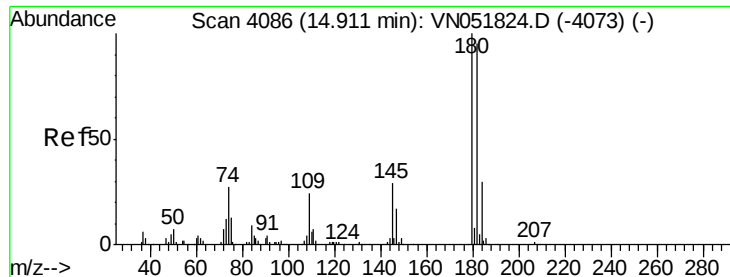
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

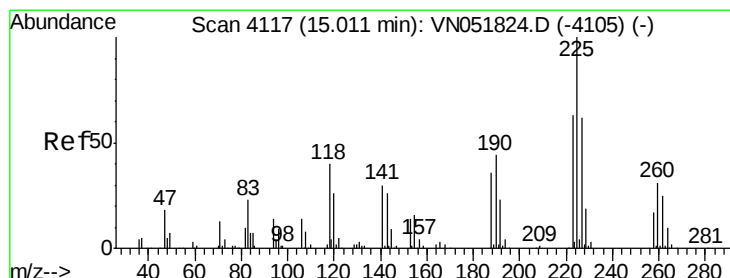
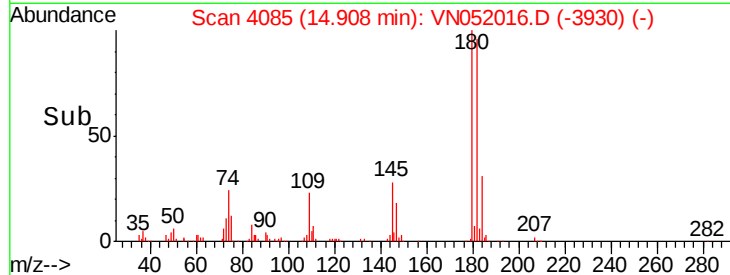
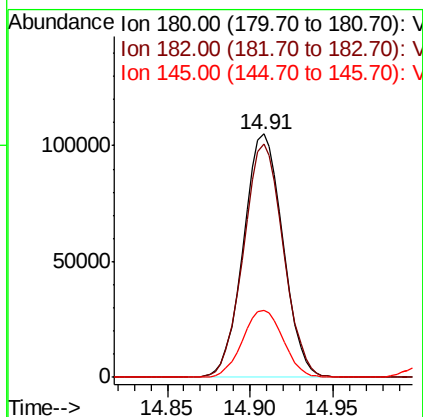
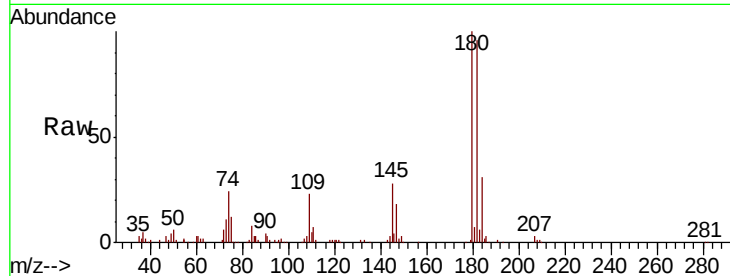




#89
 1,2,4-Trichlorobenzene
 Concen: 19.629 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052016.D
 Acq: 25 Oct 2018 17:50

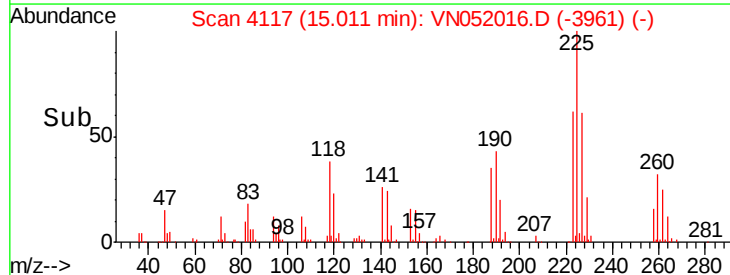
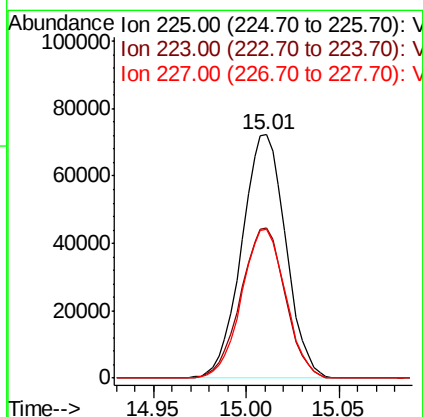
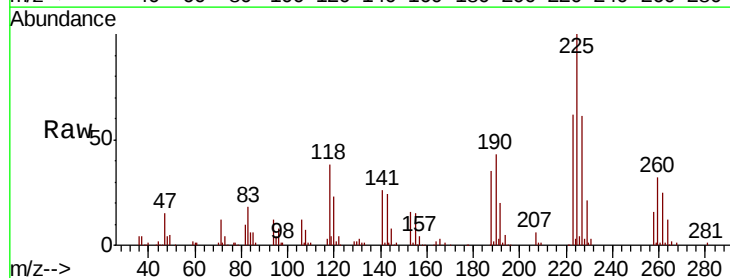
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

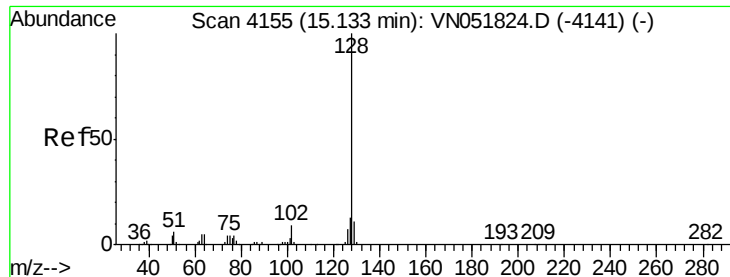
Tot Ion:180 Resp: 174363
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.7 116.5
 145 28.3 23.4 35.2



#90
 Hexachlorobutadiene
 Concen: 16.653 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052016.D
 Acq: 25 Oct 2018 17:50

Tgt Ion:225 Resp: 119128
 Ion Ratio Lower Upper
 225 100
 223 61.9 0.0 117.0
 227 60.7 0.0 127.0





#91

Naphthalene

Concen: 19.396 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBSD02

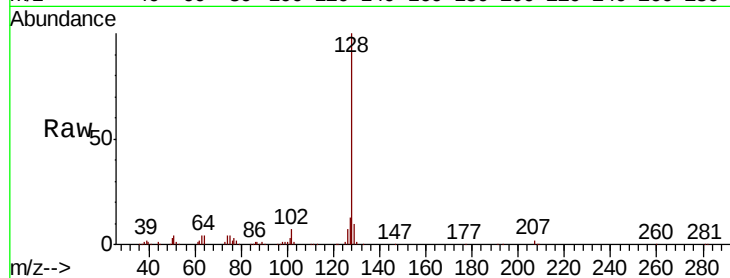
Tot Ion:128 Resp: 329821

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

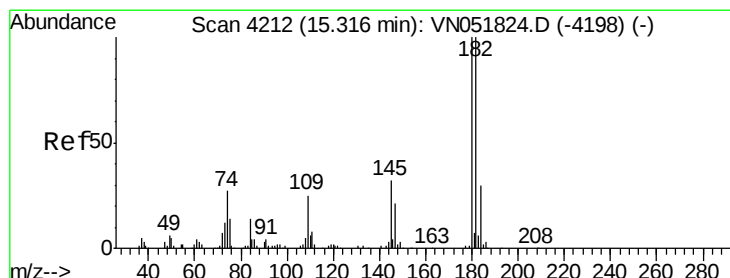
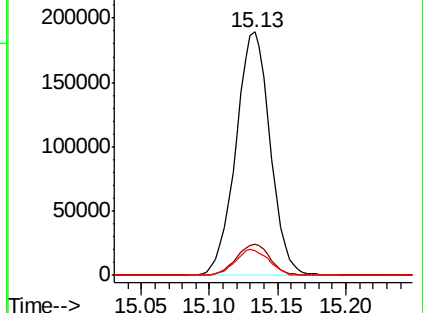
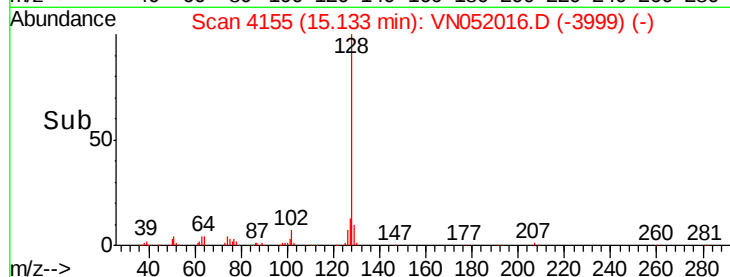
129 10.4 8.4 12.6



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: 14.338 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052016.D

Acq: 25 Oct 2018 17:50

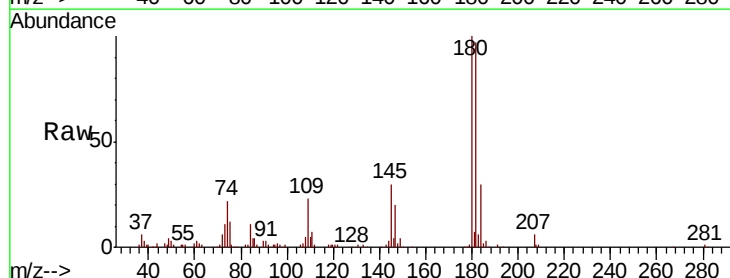
Tgt Ion:180 Resp: 144811

Ion Ratio Lower Upper

180 100

182 94.7 0.0 198.0

145 30.3 0.0 36.8



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

