

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052001.D
 Acq On : 25 Oct 2018 10:27
 Operator : MD\SY
 Sample : VN1025WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Quant Time: Oct 26 01:08:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1200871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1703206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1577482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	779218	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	502091	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
35) Dibromofluoromethane	7.59	113	521919	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
50) Toluene-d8	10.09	98	1907722	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.40	95	636108	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	138521	18.177	ug/l	99
3) Chloromethane	2.06	50	124223	18.104	ug/l	95
4) Vinyl Chloride	2.19	62	154667	16.817	ug/l	100
5) Bromomethane	2.57	94	166437	18.901	ug/l	98
6) Chloroethane	2.71	64	114101	16.710	ug/l	100
7) Trichlorofluoromethane	3.02	101	290509	17.727	ug/l	98
8) Diethyl Ether	3.41	74	91925	18.867	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	186152	18.962	ug/l	98
10) Methyl Iodide	3.96	142	279829	19.266	ug/l	99
11) Tert butyl alcohol	4.77	59	45842	82.822	ug/l	97
12) 1,1-Dichloroethene	3.74	96	163090	18.550	ug/l	95
13) Acrolein	3.61	56	22511	97.395	ug/l	98
14) Allyl chloride	4.33	41	162225	17.438	ug/l	98
15) Acrylonitrile	4.99	53	217724	93.182	ug/l	98
16) Acetone	3.82	43	154009	87.400	ug/l	96
17) Carbon Disulfide	4.06	76	367297	17.575	ug/l	98
18) Methyl Acetate	4.33	43	106992	18.542	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	434892	18.424	ug/l	99
20) Methylene Chloride	4.55	84	185578	17.953	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	184222	18.502	ug/l	97
22) Diisopropyl ether	5.95	45	392697	18.450	ug/l	99
23) Vinyl Acetate	5.90	43	1334603	92.175	ug/l	100
24) 1,1-Dichloroethane	5.85	63	284240	18.292	ug/l	98
25) 2-Butanone	6.84	43	242194	96.413	ug/l	97
26) 2,2-Dichloropropane	6.83	77	266728	18.761	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	216190	18.587	ug/l	100
28) Bromochloromethane	7.20	49	116737	18.640	ug/l	95
29) Tetrahydrofuran	7.21	42	148992	87.540	ug/l	97
30) Chloroform	7.37	83	347220	18.299	ug/l	100
31) Cyclohexane	7.66	56	246853	18.110	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	313221	18.052	ug/l	99
36) 1,1-Dichloropropene	7.80	75	248092	18.989	ug/l	99
37) Ethyl Acetate	6.93	43	110587	17.706	ug/l	95
38) Carbon Tetrachloride	7.78	117	279964	18.666	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
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Quant Time: Oct 26 01:08:53 2018
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 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	310695	19.470	ug/l	99
40) Benzene	8.04	78	744075	19.181	ug/l	100
41) Methacrylonitrile	7.18	41	52850	18.001	ug/l #	91
42) 1,2-Dichloroethane	8.13	62	228387	18.362	ug/l	100
43) Isopropyl Acetate	8.16	43	204336	18.675	ug/l	97
44) Trichloroethene	8.84	130	243015	19.517	ug/l	94
45) 1,2-Dichloropropane	9.12	63	168451	19.196	ug/l	98
46) Dibromomethane	9.21	93	135225	19.116	ug/l	98
47) Bromodichloromethane	9.40	83	244829	18.326	ug/l	98
48) Methyl methacrylate	9.20	41	97372	18.411	ug/l	99
49) 1,4-Dioxane	9.20	88	32720	337.405	ug/l	92
51) 4-Methyl-2-Pentanone	9.98	43	559028	92.883	ug/l	100
52) Toluene	10.16	92	506730	19.264	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	234439	18.000	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	268331	19.217	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	179850	18.505	ug/l	97
56) Ethyl methacrylate	10.43	69	199124	19.059	ug/l	99
57) 1,3-Dichloropropane	10.71	76	279753	18.960	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	522169	95.521	ug/l	100
59) 2-Hexanone	10.75	43	381507	94.342	ug/l	100
60) Dibromochloromethane	10.90	129	202615	17.673	ug/l	98
61) 1,2-Dibromoethane	11.00	107	190748	18.614	ug/l	100
64) Tetrachloroethene	10.63	164	234538	19.371	ug/l	95
65) Chlorobenzene	11.43	112	617923	19.401	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	221832	19.377	ug/l	99
67) Ethyl Benzene	11.51	91	970137	18.949	ug/l	98
68) m/p-Xylenes	11.62	106	804679	39.339	ug/l	99
69) o-Xylene	11.95	106	378731	19.038	ug/l	99
70) Styrene	11.96	104	613829	19.305	ug/l	99
71) Bromoform	12.13	173	120512	16.843	ug/l #	100
73) Isopropylbenzene	12.25	105	1033791	20.919	ug/l	99
74) N-amyl acetate	12.07	43	180951	18.603	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	191714	18.775	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	229497	28.513	ug/l #	100
77) Bromobenzene	12.53	156	282648	20.724	ug/l	98
78) n-propylbenzene	12.59	91	1121934	21.046	ug/l	100
79) 2-Chlorotoluene	12.67	91	638672	20.573	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	839786	21.181	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	41052	17.651	ug/l	90
82) 4-Chlorotoluene	12.77	91	664998	20.689	ug/l	100
83) tert-Butylbenzene	12.99	119	779822	20.796	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	850876	20.805	ug/l	98
85) sec-Butylbenzene	13.17	105	1023756	20.903	ug/l	100
86) p-Isopropyltoluene	13.29	119	906610	20.561	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	490523	19.501	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	483670	19.504	ug/l	98
89) n-Butylbenzene	13.61	91	694752	19.787	ug/l	99
90) Hexachloroethane	13.87	117	127300	19.379	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	457880	18.816	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21649	13.808	ug/l	98

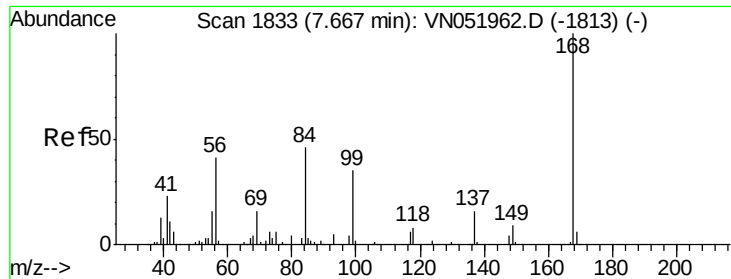
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
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Quant Title : SW846 8260
QLast Update : Wed Oct 24 10:12:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	165930	11.543	ug/l	98
94) Hexachlorobutadiene	15.01	225	109184	14.783	ug/l	98
95) Naphthalene	15.13	128	315209	10.097	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	132779	9.664	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

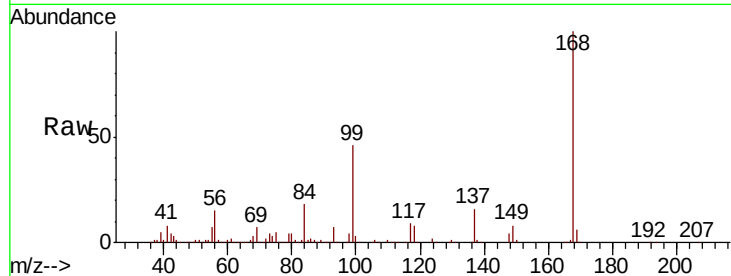
VN1025WBS01

Tot Ion:168 Resp: 1200871

Ion Ratio Lower Upper

168 100

99 46.2 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

200000

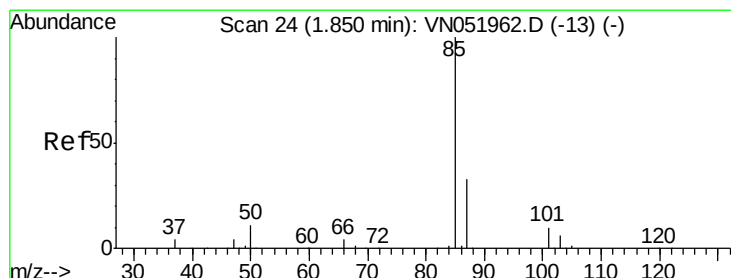
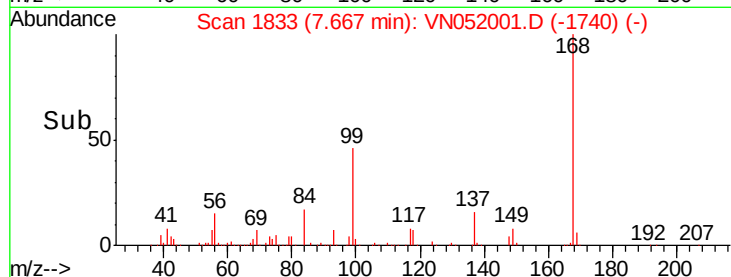
100000

0

7.67

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.177 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052001.D

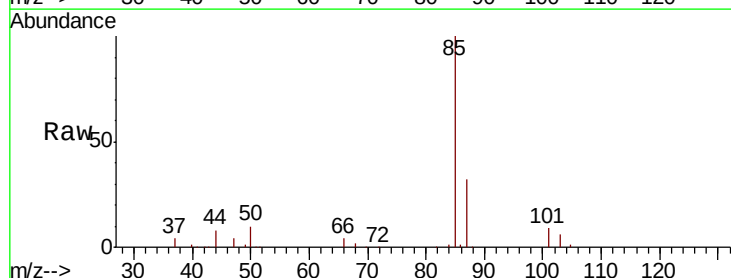
Acq: 25 Oct 2018 10:27

Tgt Ion: 85 Resp: 138521

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

80000

60000

40000

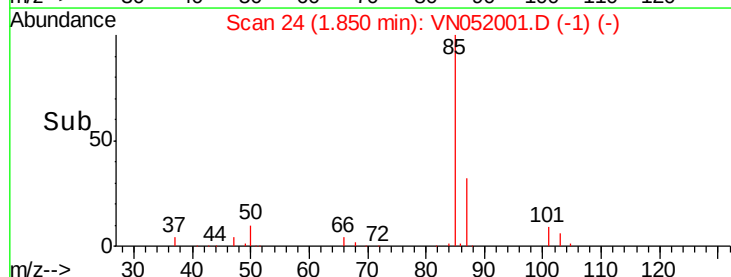
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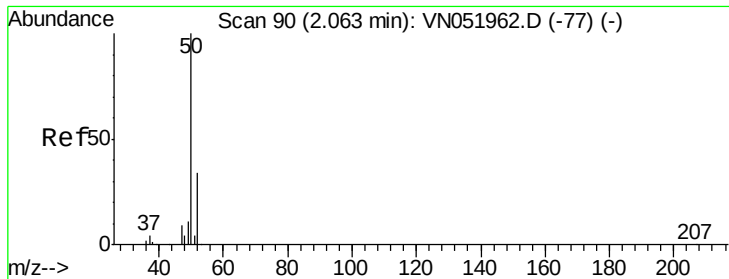
0

1.85

1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.104 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

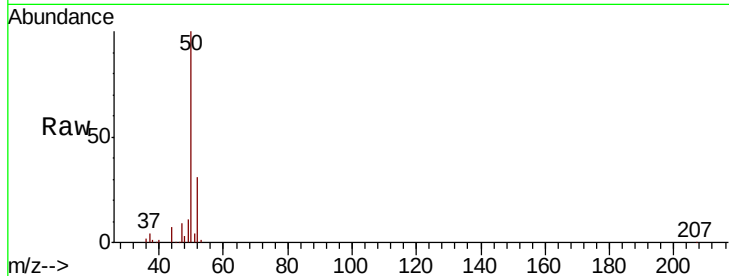
VN1025WBS01

Tot Ion: 50 Resp: 124223

Ion Ratio Lower Upper

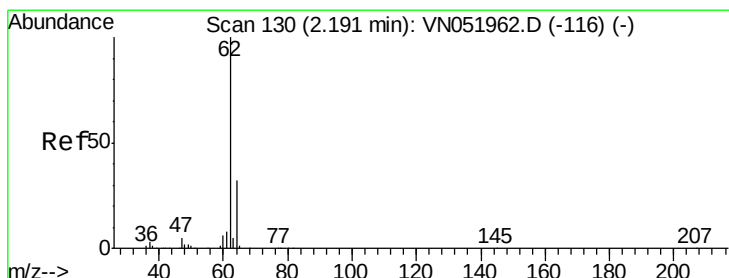
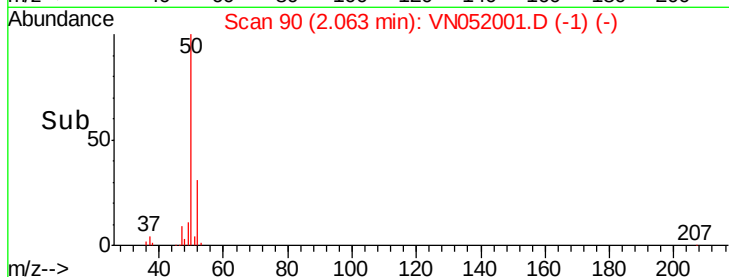
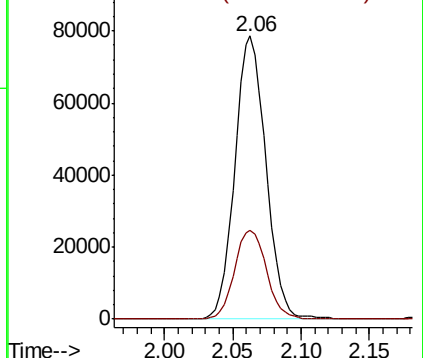
50 100

52 31.5 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.817 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052001.D

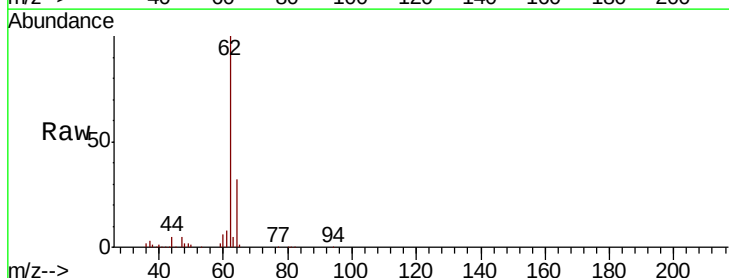
Acq: 25 Oct 2018 10:27

Tgt Ion: 62 Resp: 154667

Ion Ratio Lower Upper

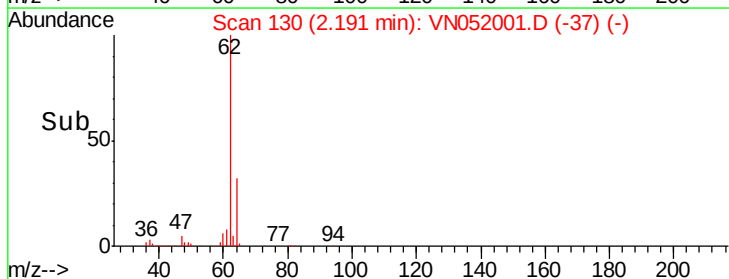
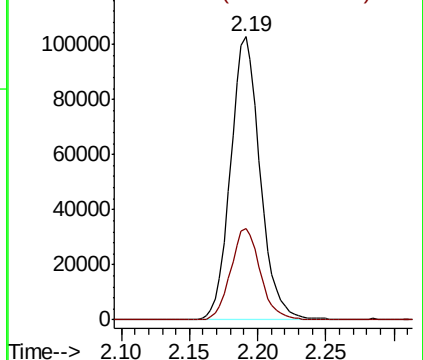
62 100

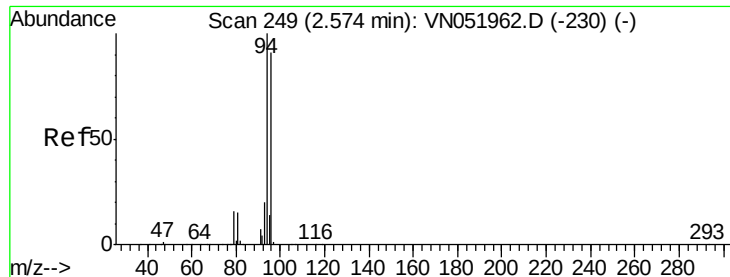
64 32.4 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.901 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

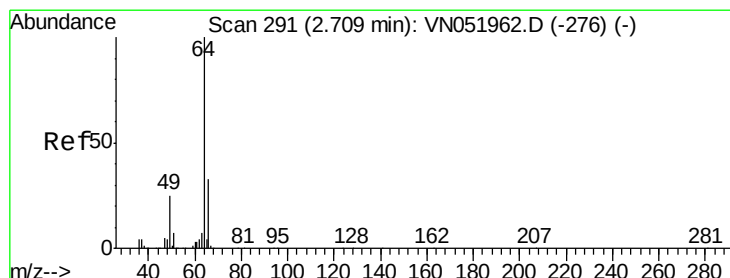
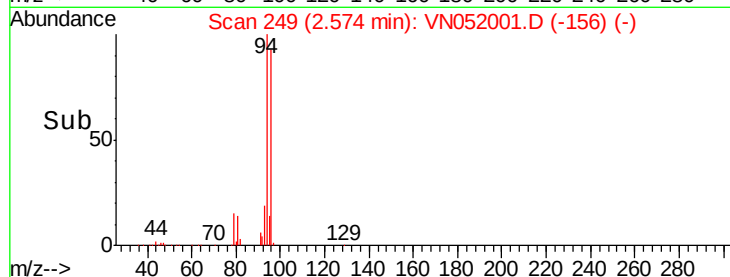
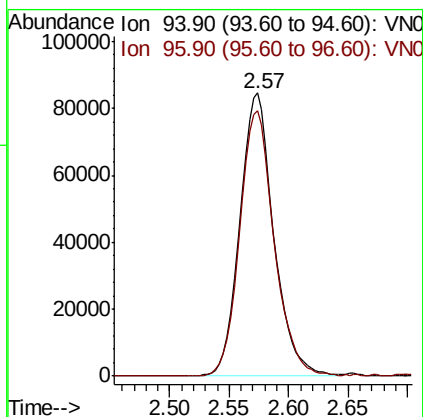
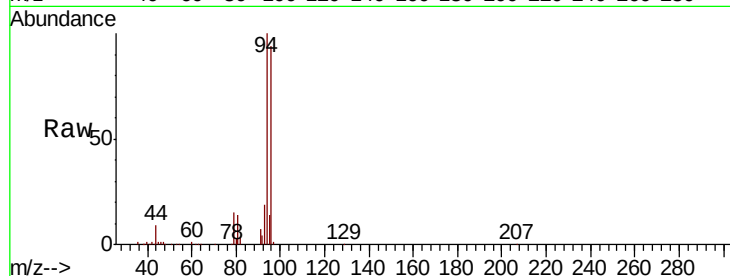
VN1025WBS01

Tot Ion: 94 Resp: 166437

Ion Ratio Lower Upper

94 100

96 93.6 73.0 109.6



#6

Chloroethane

Concen: 16.710 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052001.D

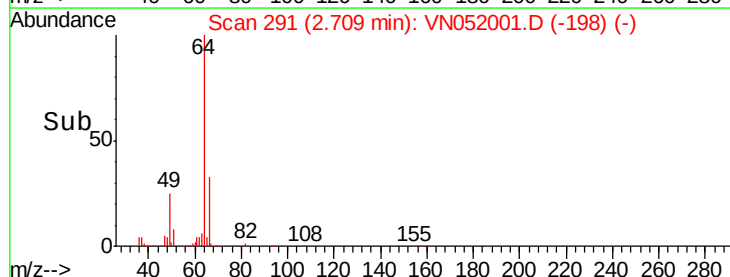
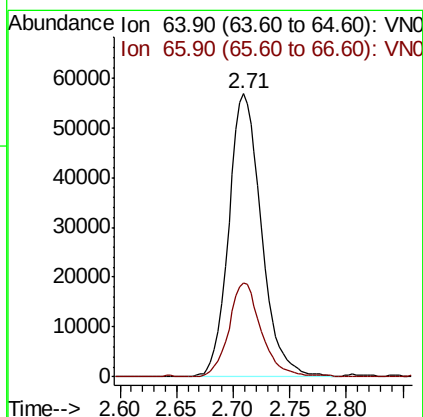
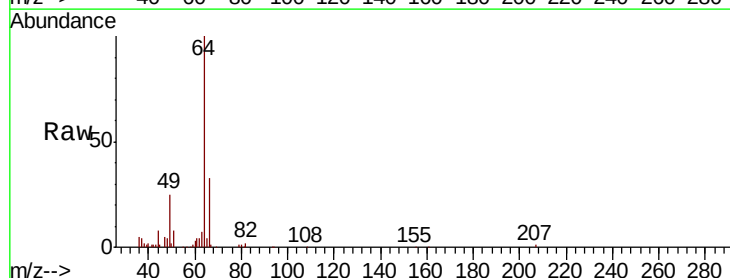
Acq: 25 Oct 2018 10:27

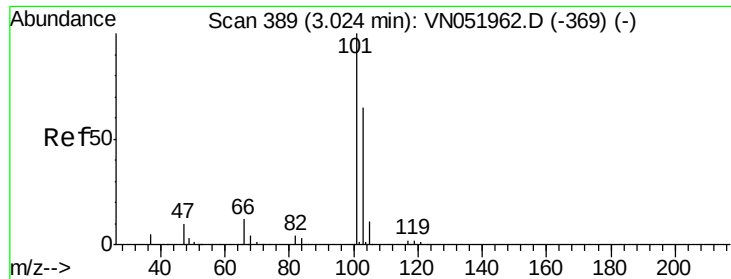
Tgt Ion: 64 Resp: 114101

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2



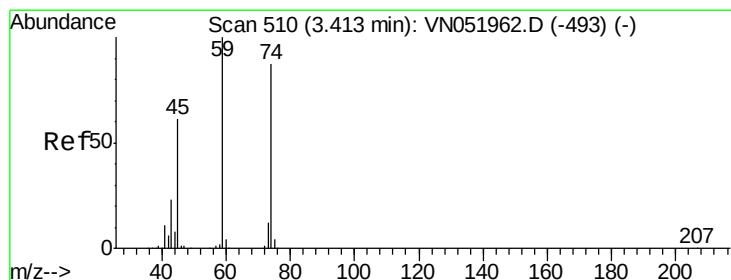
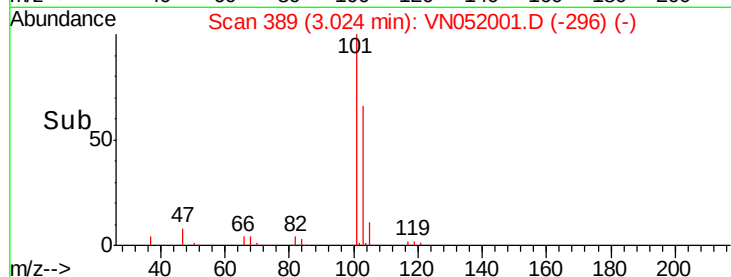
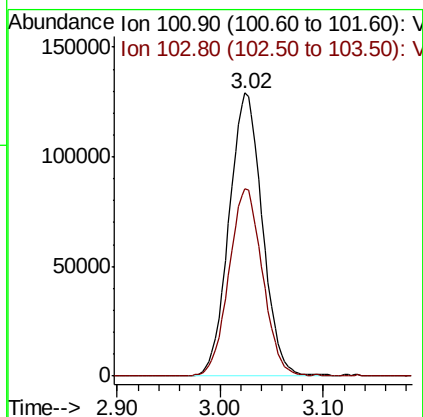
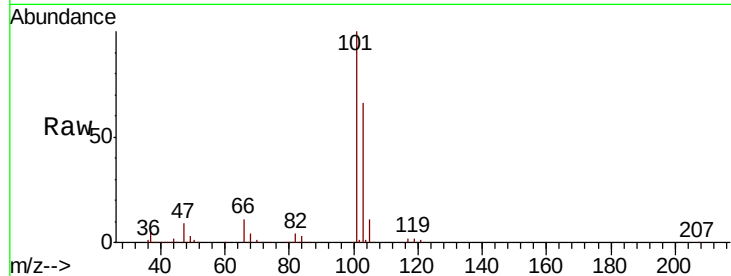


#7

Trichlorofluoromethane
 Concen: 17.727 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

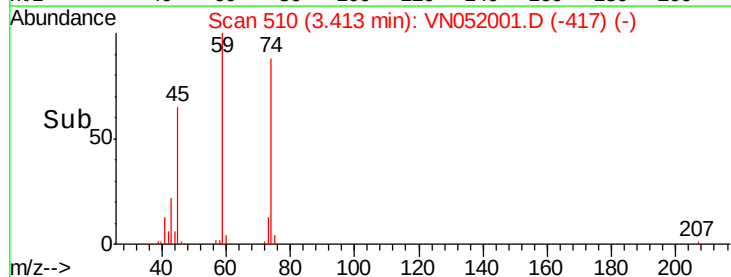
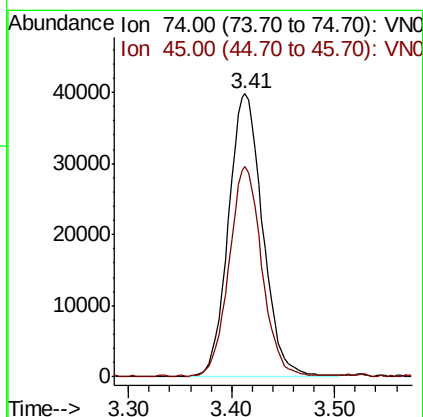
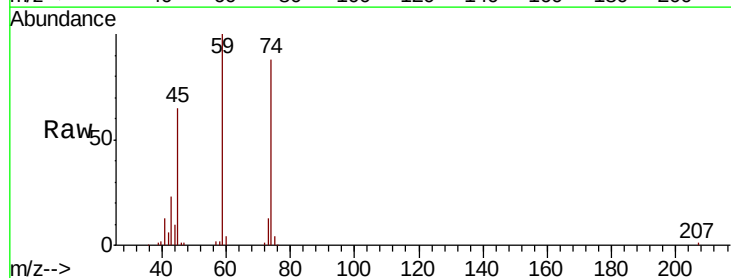
Tot Ion:101 Resp: 290509
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.0 78.0

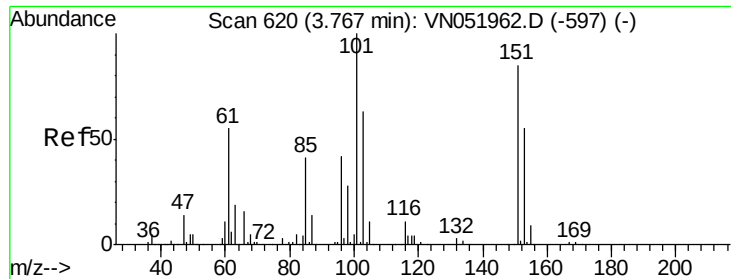


#8

Diethyl Ether
 Concen: 18.867 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion: 74 Resp: 91925
 Ion Ratio Lower Upper
 74 100
 45 71.5 35.5 106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.962 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

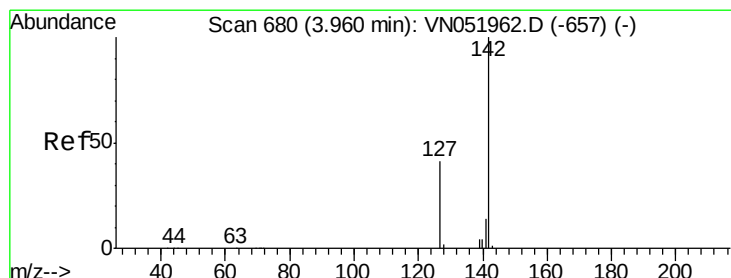
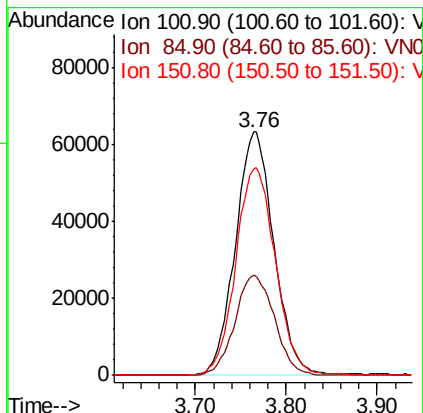
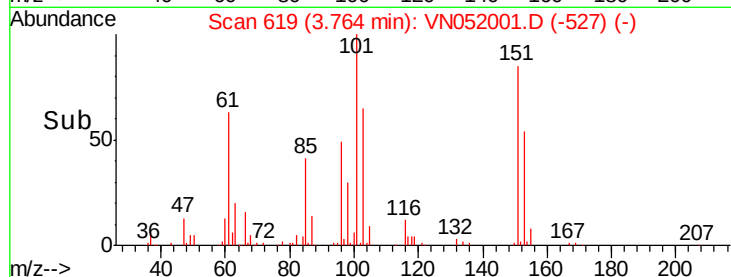
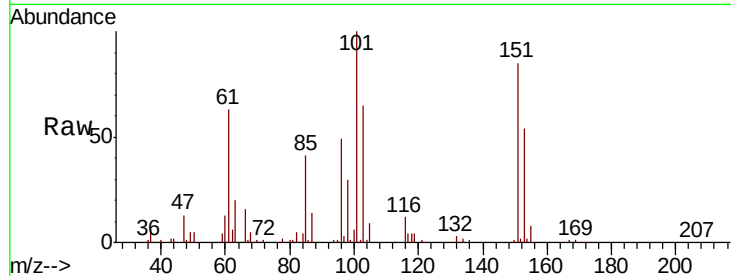
Tot Ion:101 Resp: 186152

Ion Ratio Lower Upper

101 100

85 42.0 34.2 51.4

151 88.0 69.1 103.7



#10

Methyl Iodide

Concen: 19.266 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

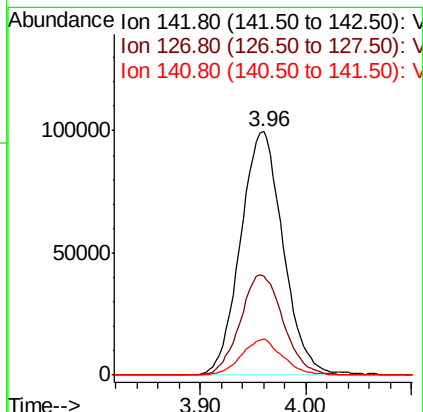
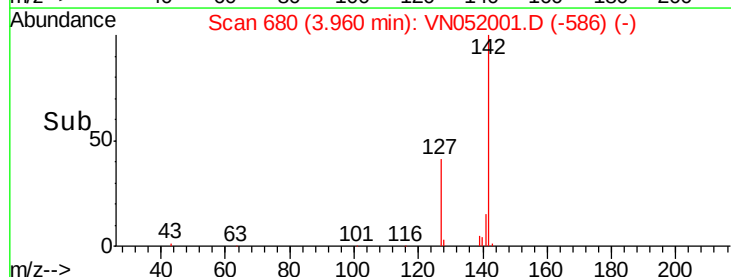
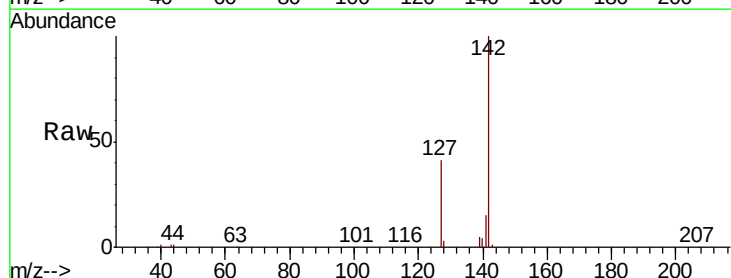
Tgt Ion:142 Resp: 279829

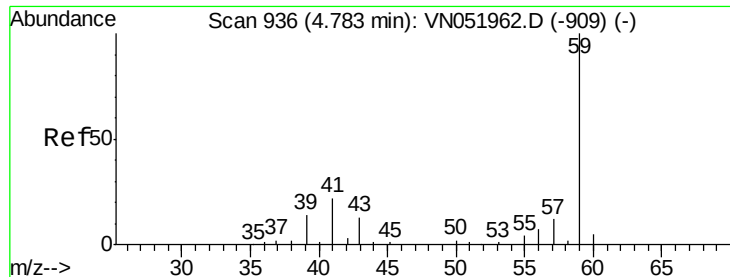
Ion Ratio Lower Upper

142 100

127 41.7 34.3 51.5

141 14.2 11.4 17.0

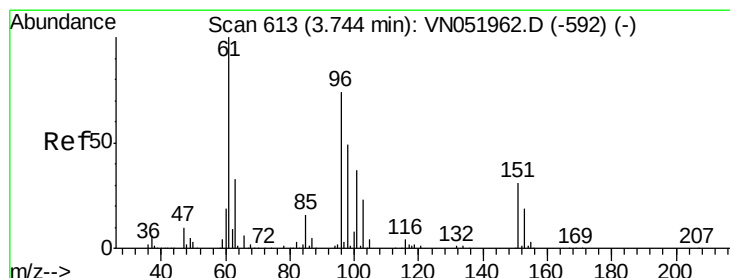
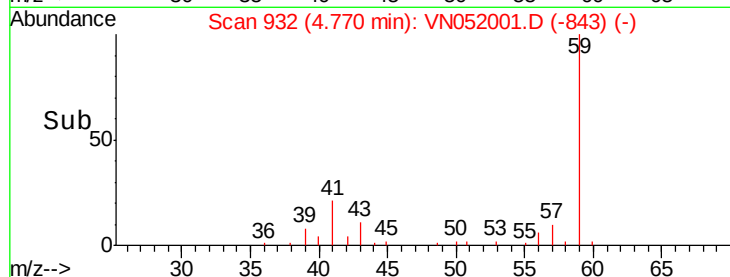
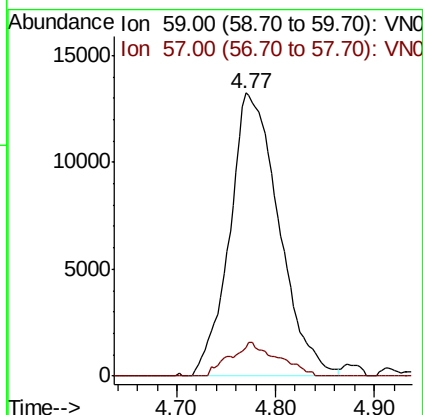
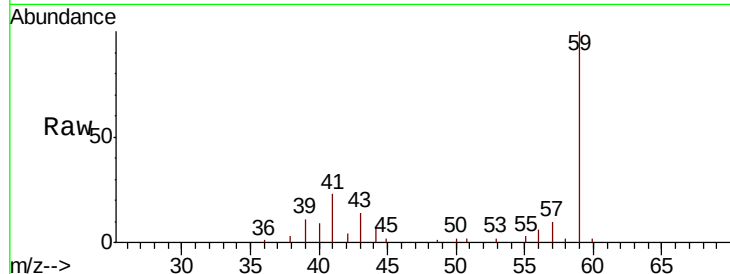




#11
Tert butyl alcohol
Concen: 82.822 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.01 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

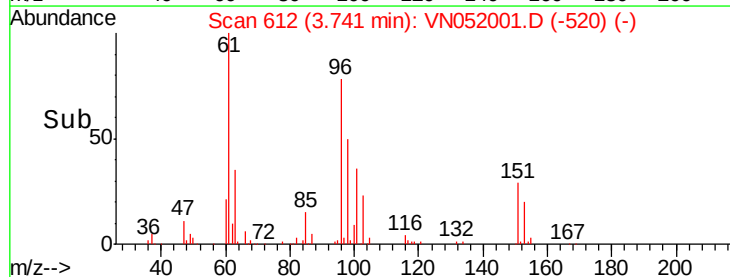
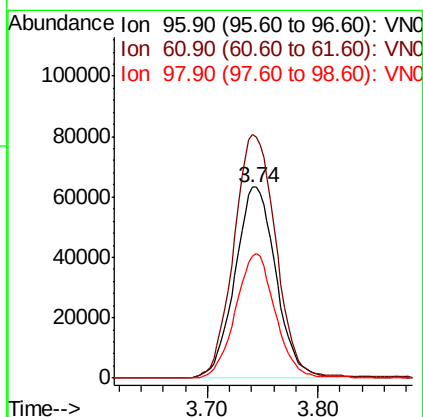
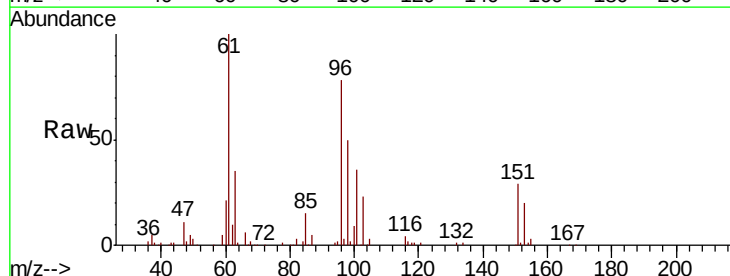
Instrument :
MSVOA_N
ClientSampled :
VN1025WBS01

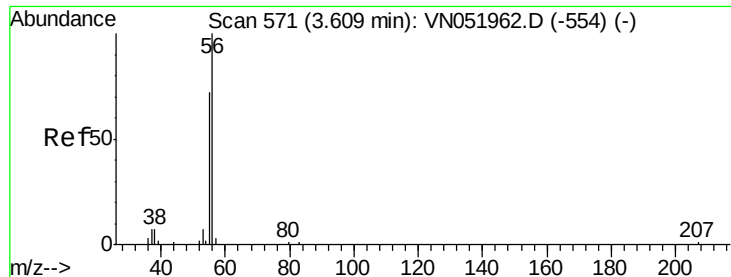
Tot Ion: 59 Resp: 45842
Ion Ratio Lower Upper
59 100
57 11.5 8.2 12.4



#12
1,1-Dichloroethene
Concen: 18.550 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion: 96 Resp: 163090
Ion Ratio Lower Upper
96 100
61 127.3 107.8 161.8
98 63.7 52.7 79.1





#13

Acrolein

Concen: 97.395 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

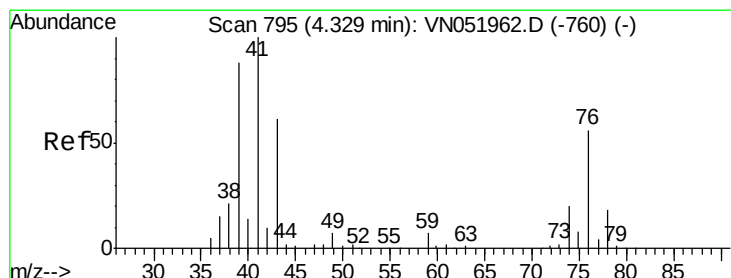
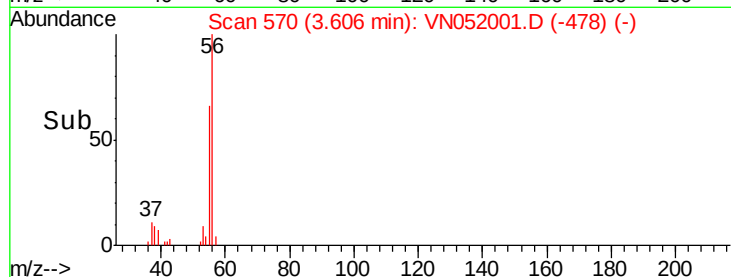
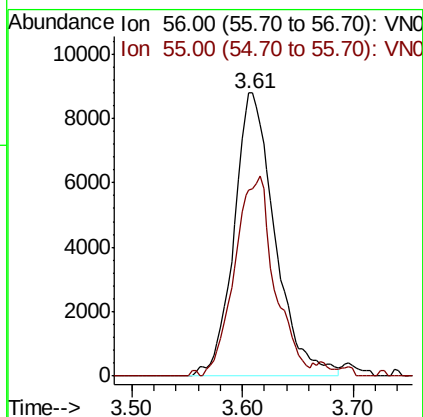
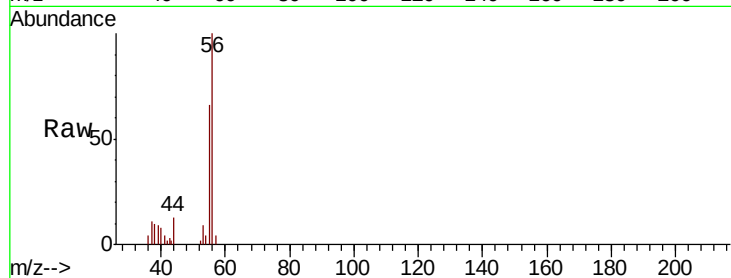
VN1025WBS01

Tot Ion: 56 Resp: 22511

Ion Ratio Lower Upper

56 100

55 68.8 56.6 84.8



#14

Allyl chloride

Concen: 17.438 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

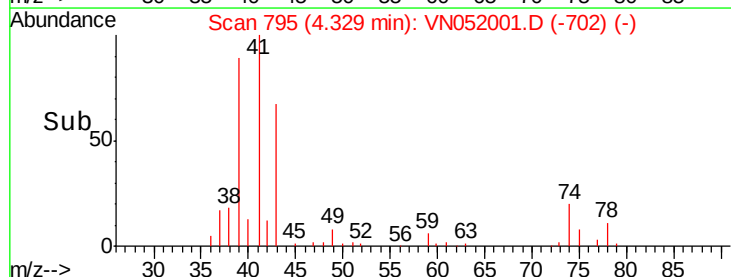
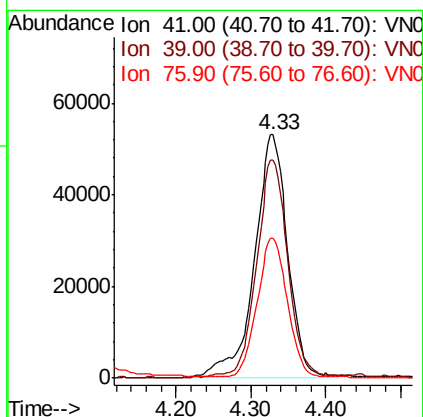
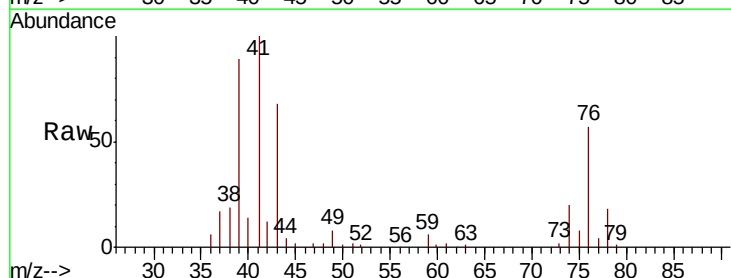
Tgt Ion: 41 Resp: 162225

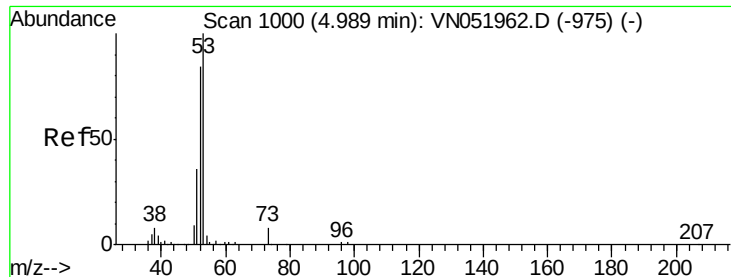
Ion Ratio Lower Upper

41 100

39 81.9 67.7 101.5

76 51.7 41.3 61.9





#15

Acrylonitrile

Concen: 93.182 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

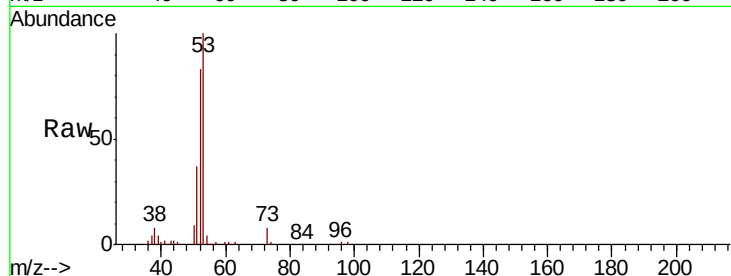
Tot Ion: 53 Resp: 217724

Ion Ratio Lower Upper

53 100

52 85.7 67.0 100.4

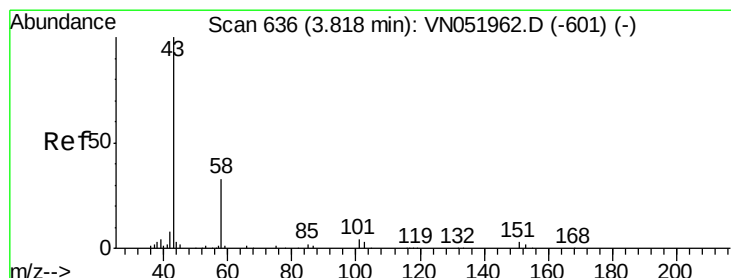
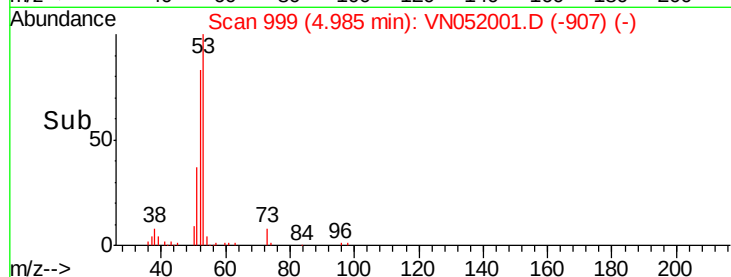
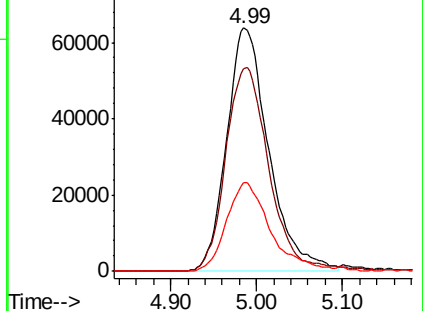
51 38.1 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN051962.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN051962.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN051962.D (-975) (-)



#16

Acetone

Concen: 87.400 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052001.D

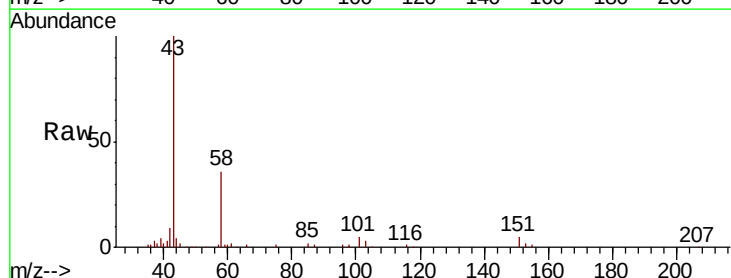
Acq: 25 Oct 2018 10:27

Tgt Ion: 43 Resp: 154009

Ion Ratio Lower Upper

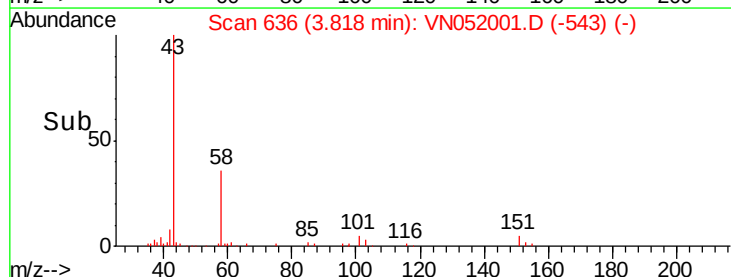
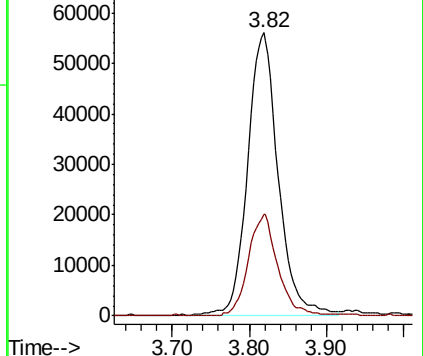
43 100

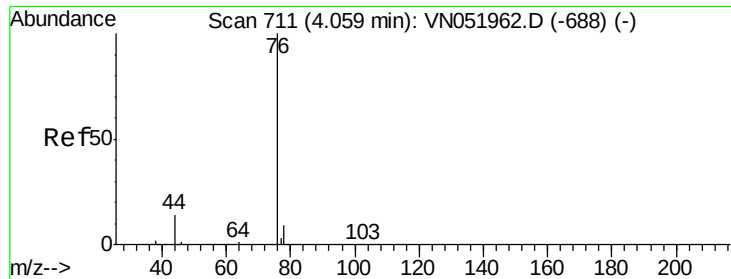
58 35.8 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-601) (-)





#17

Carbon Disulfide

Concen: 17.575 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

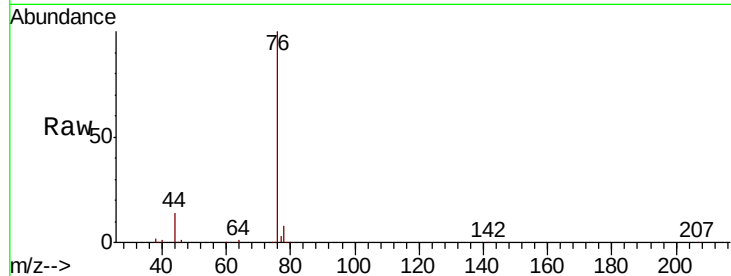
VN1025WBS01

Tot Ion: 76 Resp: 367297

Ion Ratio Lower Upper

76 100

78 8.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN051962.D (-688) (-)

Ion 77.90 (77.60 to 78.60): VN051962.D (-688) (-)

4.06

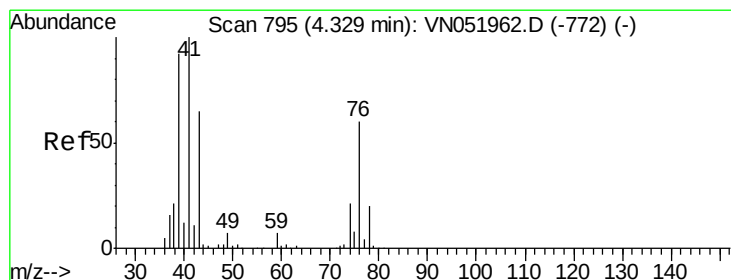
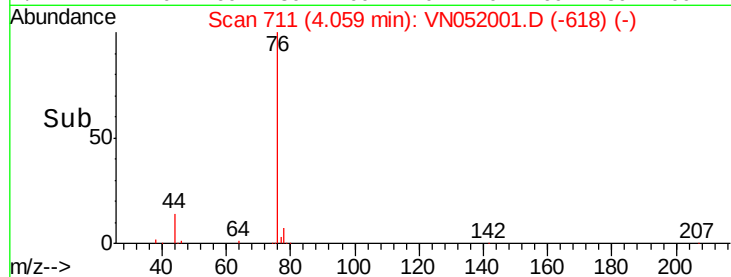
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 18.542 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052001.D

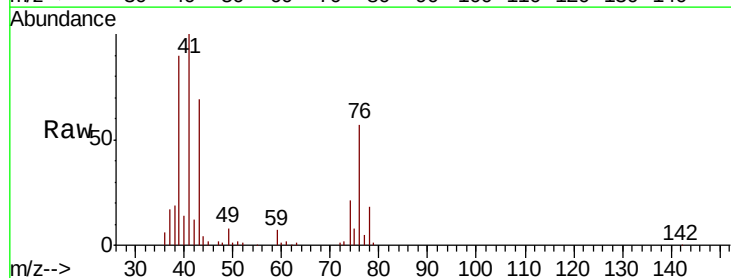
Acq: 25 Oct 2018 10:27

Tgt Ion: 43 Resp: 106992

Ion Ratio Lower Upper

43 100

74 31.1 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-772) (-)

Ion 74.00 (73.70 to 74.70): VN051962.D (-772) (-)

4.33

40000

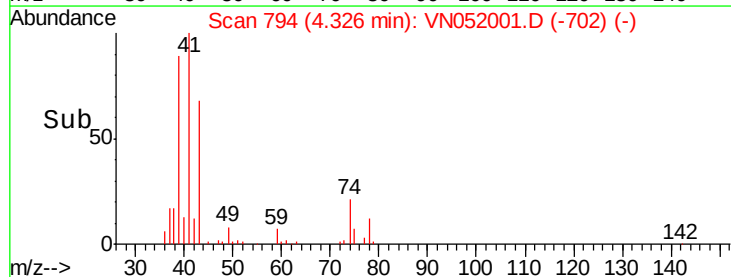
30000

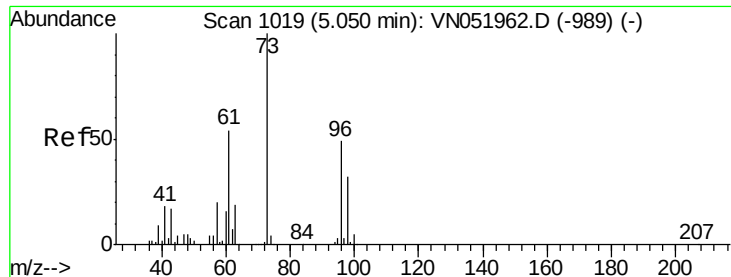
20000

10000

0

Time-->





#19

Methvl tert-butyl Ether

Concen: 18.424 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

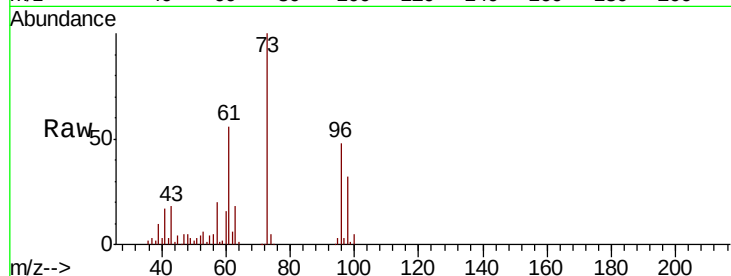
VN1025WBS01

Tot Ion: 73 Resp: 434892

Ion Ratio Lower Upper

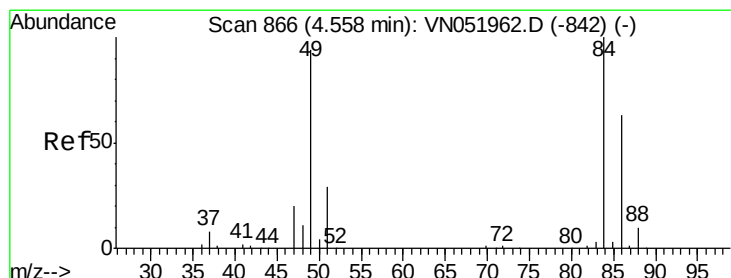
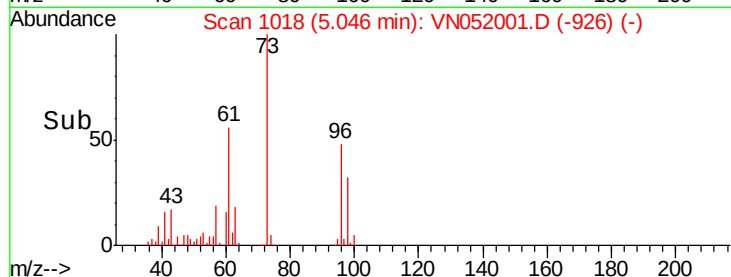
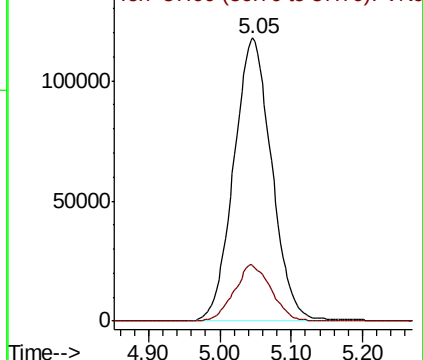
73 100

57 19.6 15.9 23.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 17.953 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Tgt Ion: 84 Resp: 185578

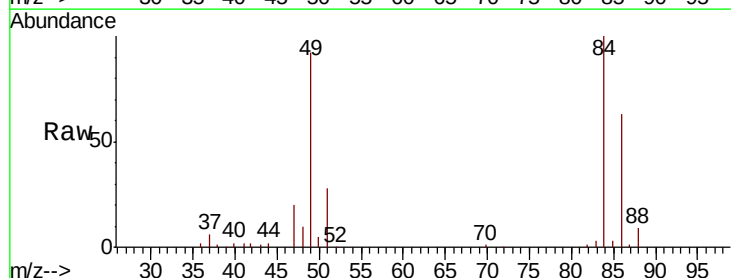
Ion Ratio Lower Upper

84 100

49 91.5 75.4 113.0

51 28.1 23.1 34.7

86 63.3 50.2 75.4

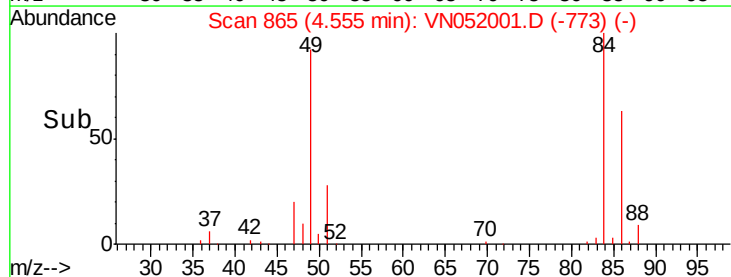
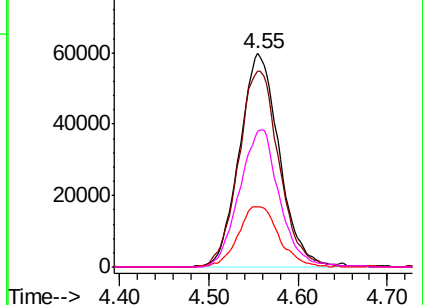


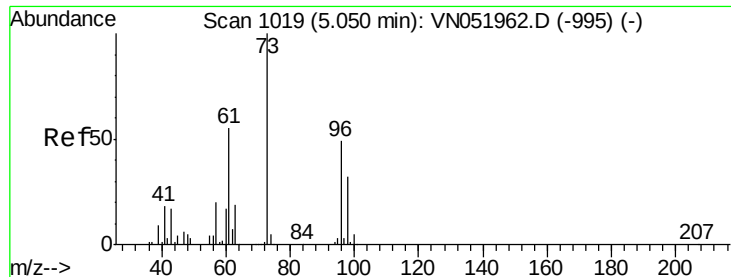
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 18.502 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampled :

VN1025WBS01

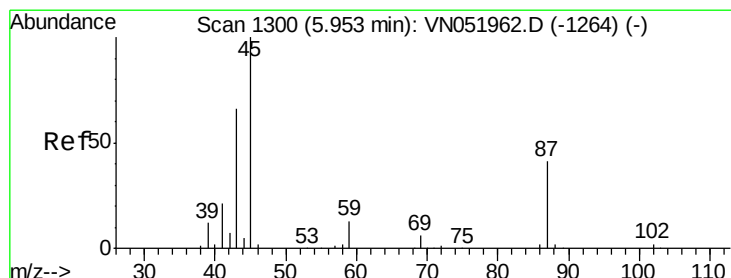
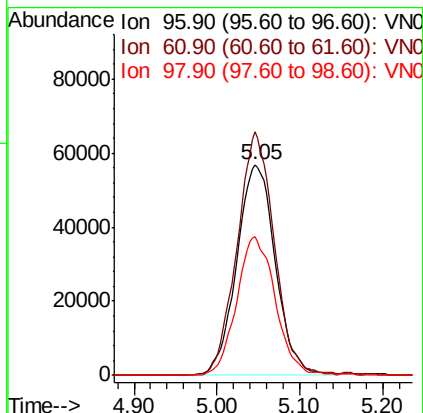
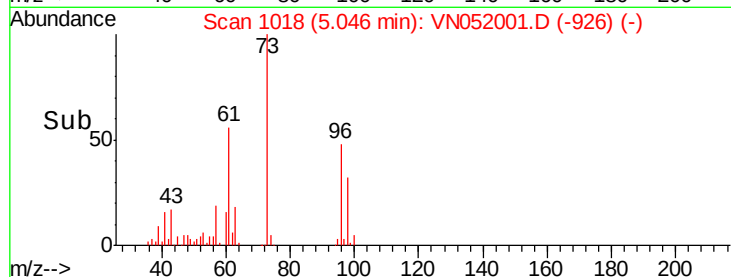
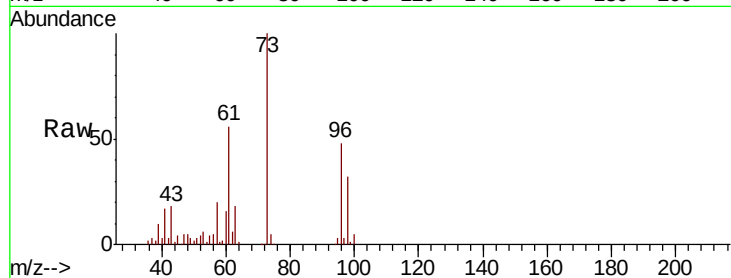
Tot Ion: 96 Resp: 184222

Ion Ratio Lower Upper

96 100

61 115.7 89.0 133.4

98 65.8 51.8 77.8



#22

Diisopropyl ether

Concen: 18.450 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Tgt Ion: 45 Resp: 392697

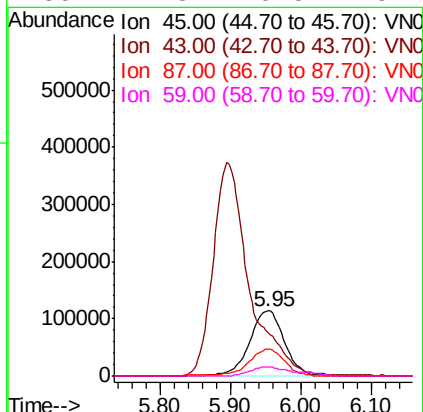
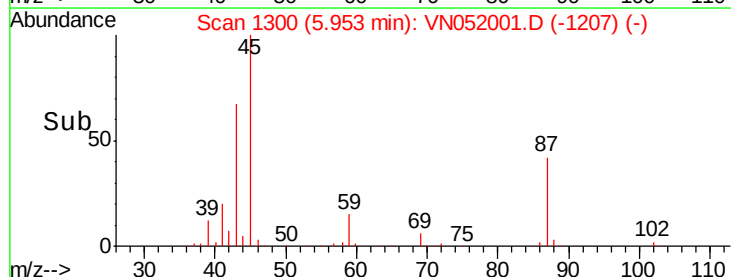
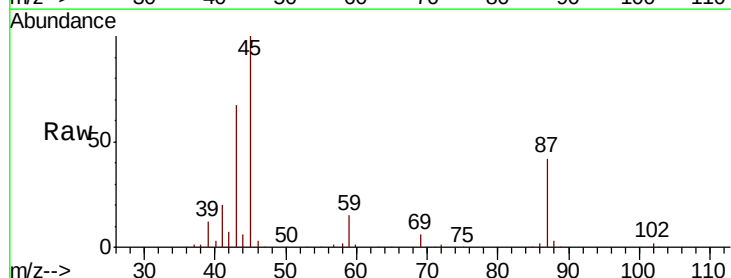
Ion Ratio Lower Upper

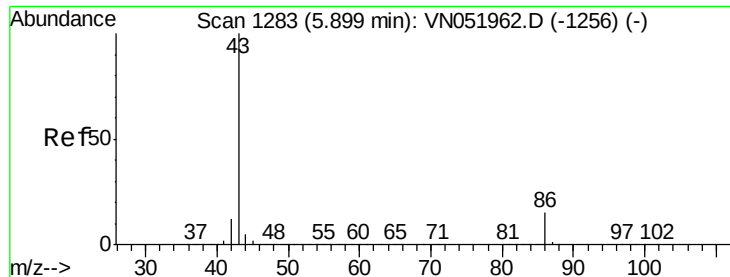
45 100

43 65.3 52.9 79.3

87 41.3 33.4 50.0

59 14.3 10.5 15.7





#23

Vinyl Acetate

Concen: 92.175 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

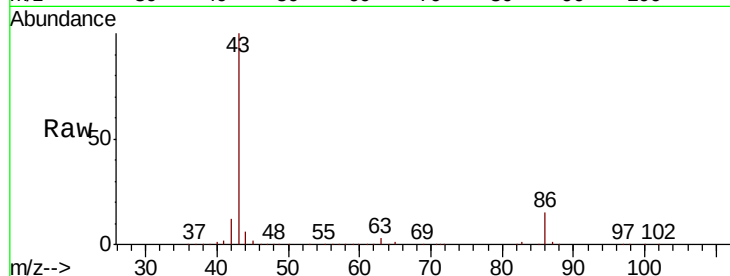
VN1025WBS01

Tot Ion: 43 Resp: 1334603

Ion Ratio Lower Upper

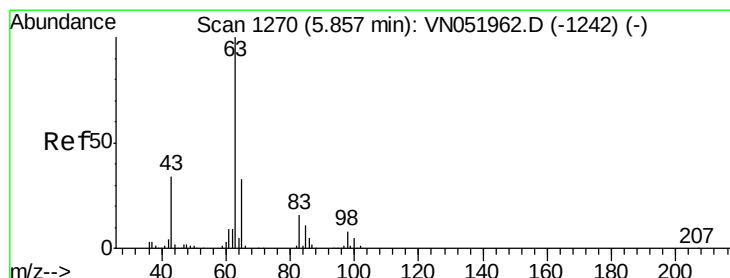
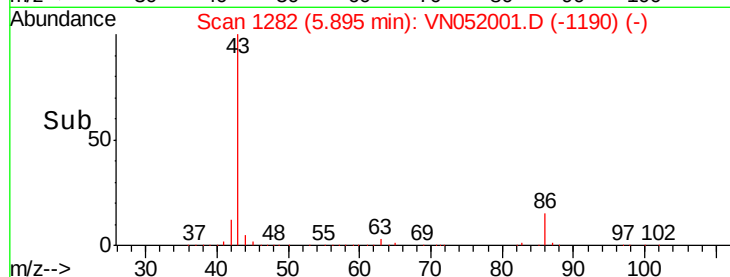
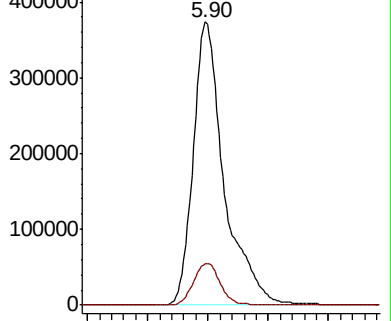
43 100

86 14.7 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.292 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

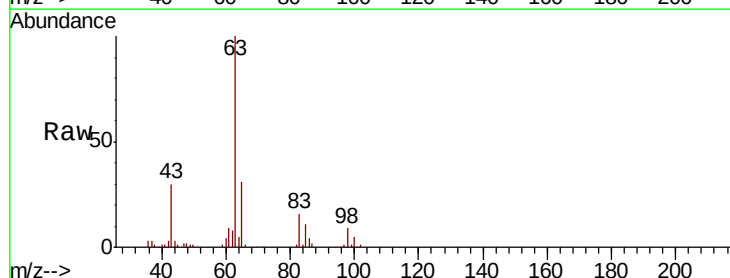
Tgt Ion: 63 Resp: 284240

Ion Ratio Lower Upper

63 100

98 8.7 3.9 11.7

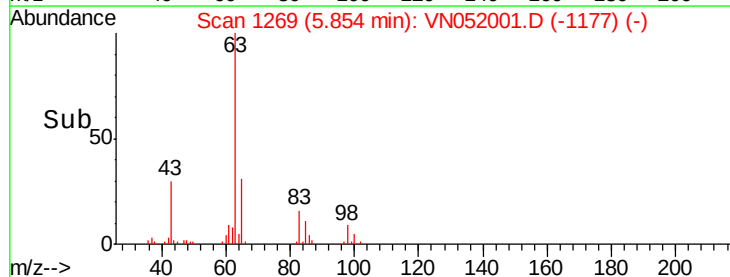
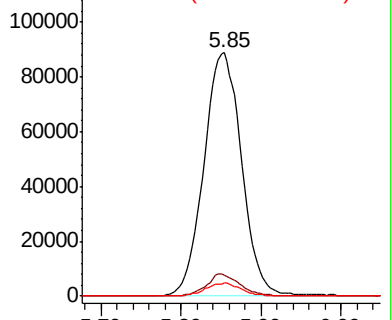
100 5.4 2.6 8.0

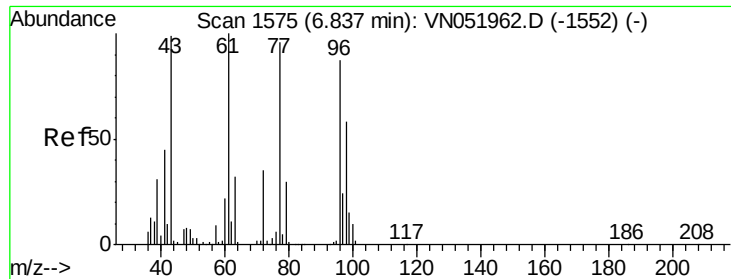


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 96.413 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

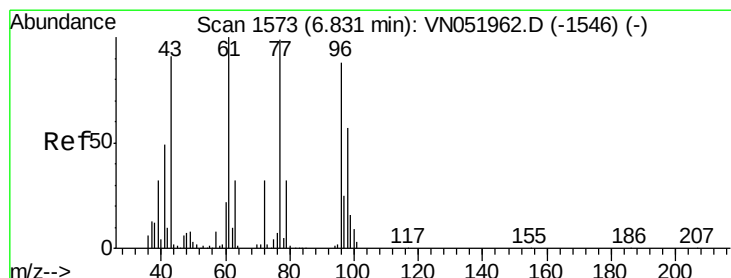
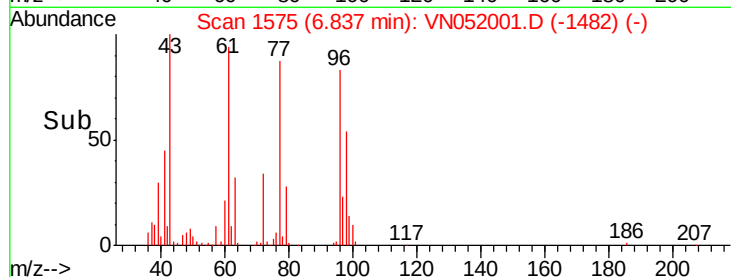
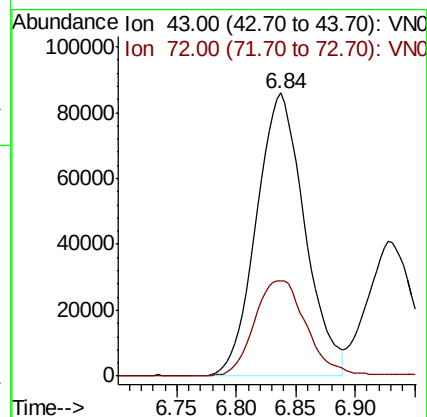
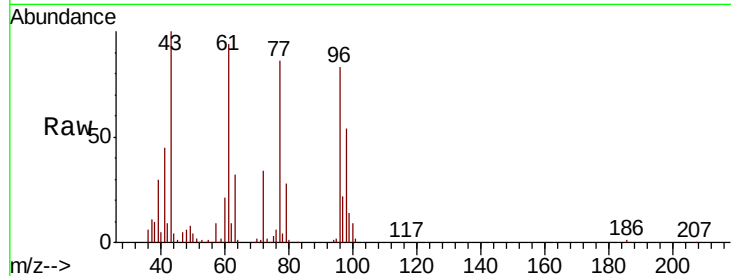
VN1025WBS01

Tot Ion: 43 Resp: 242194

Ion Ratio Lower Upper

43 100

72 33.7 28.5 42.7



#26

2,2-Dichloropropane

Concen: 18.761 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052001.D

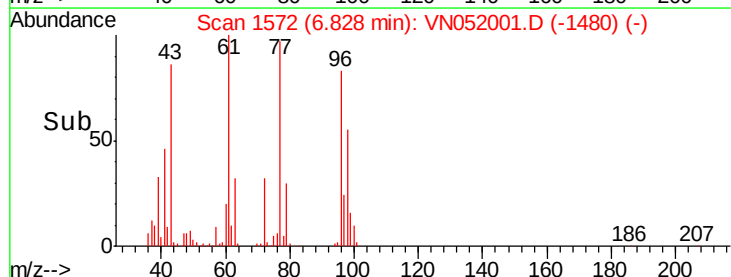
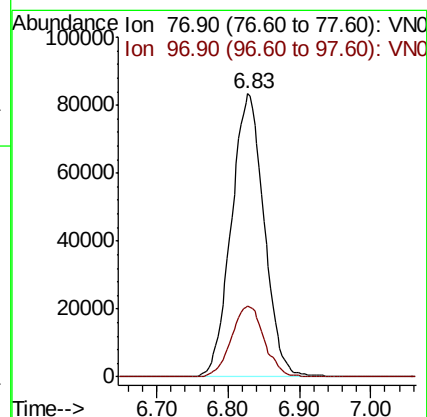
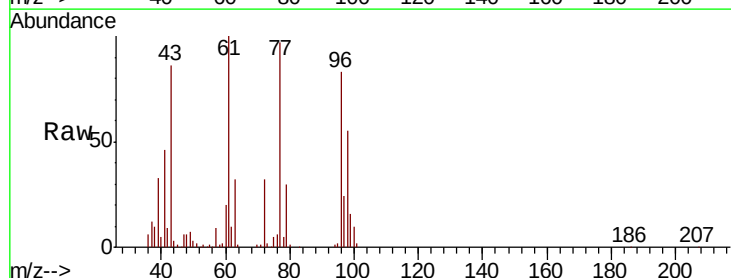
Acq: 25 Oct 2018 10:27

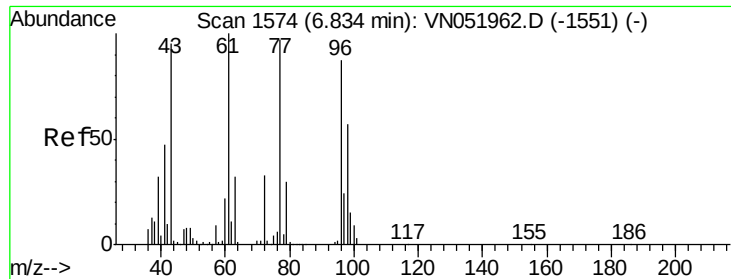
Tgt Ion: 77 Resp: 266728

Ion Ratio Lower Upper

77 100

97 25.1 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 18.587 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

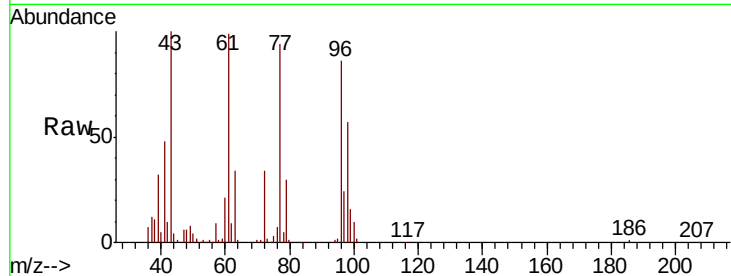
Tot Ion: 96 Resp: 216190

Ion Ratio Lower Upper

96 100

61 116.8 0.0 234.4

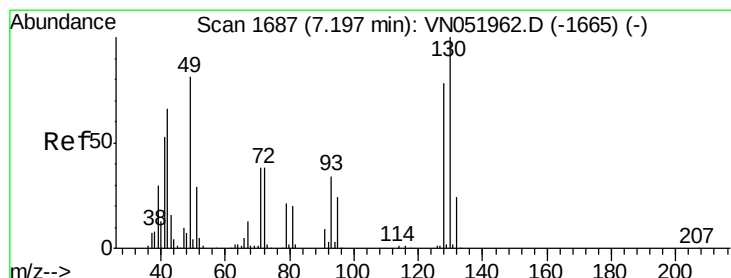
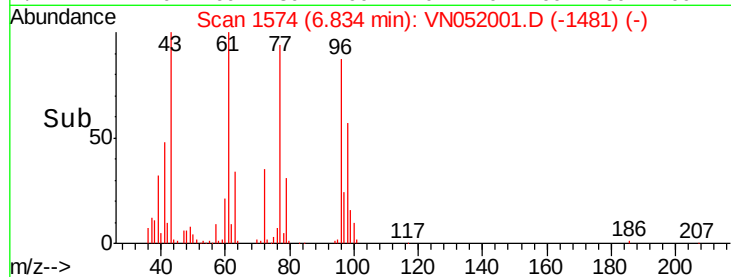
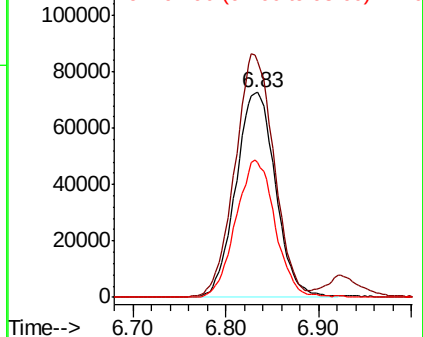
98 66.2 0.0 131.6



Abundance Ion 95.90 (95.60 to 96.60): VN051962.D (-1551) (-)

Ion 60.90 (60.60 to 61.60): VN051962.D (-1551) (-)

Ion 97.90 (97.60 to 98.60): VN051962.D (-1551) (-)



#28

Bromochloromethane

Concen: 18.640 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

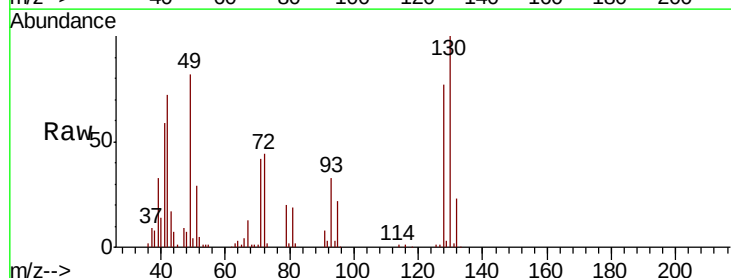
Tgt Ion: 49 Resp: 116737

Ion Ratio Lower Upper

49 100

129 3.1 0.0 5.4

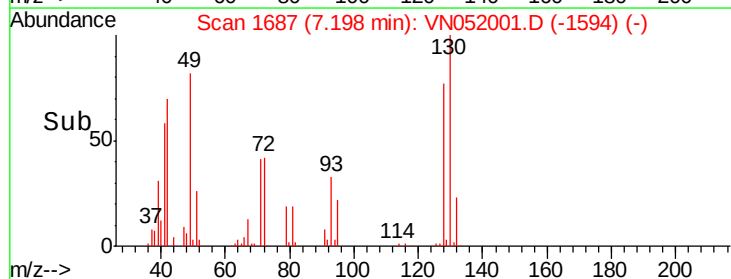
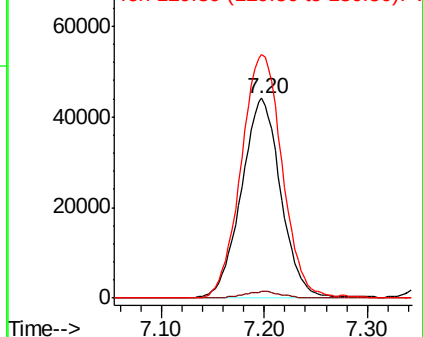
130 127.2 97.0 145.6

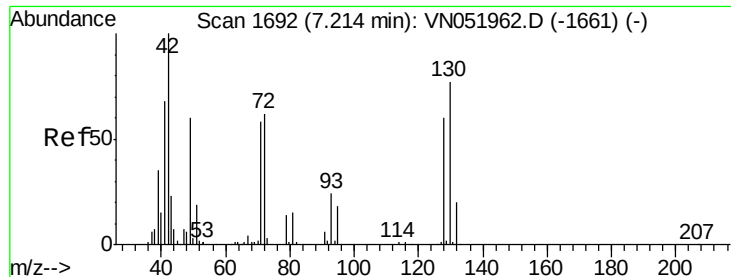


Abundance Ion 48.90 (48.60 to 49.60): VN051962.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051962.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN051962.D (-1665) (-)

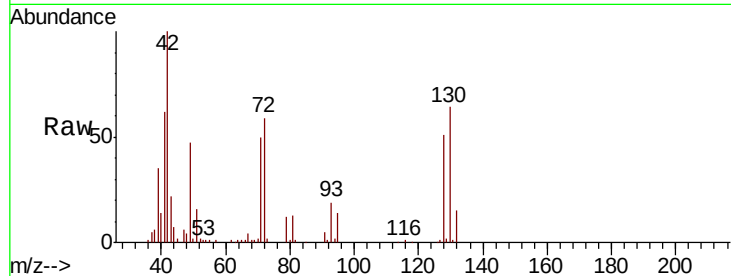




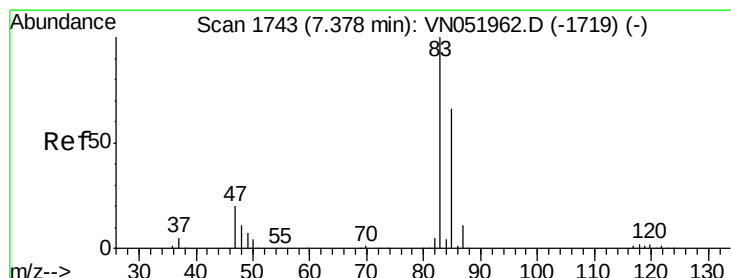
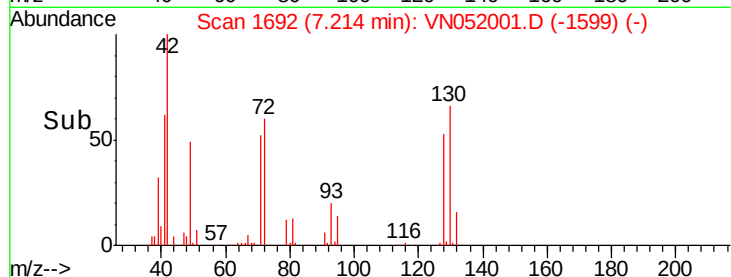
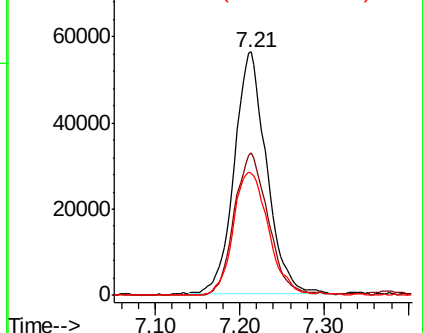
#29
Tetrahydrofuran
Concen: 87.540 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion: 42 Resp: 148992
Ion Ratio Lower Upper
42 100
72 62.3 47.5 71.3
71 55.7 45.4 68.2

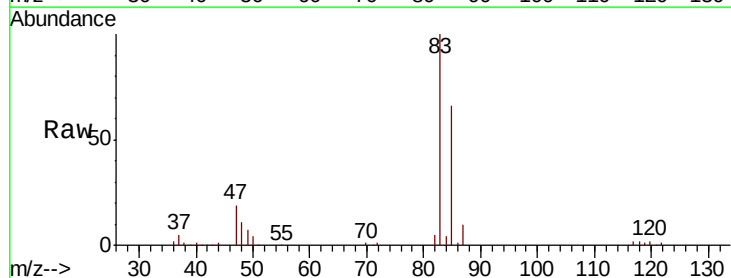


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

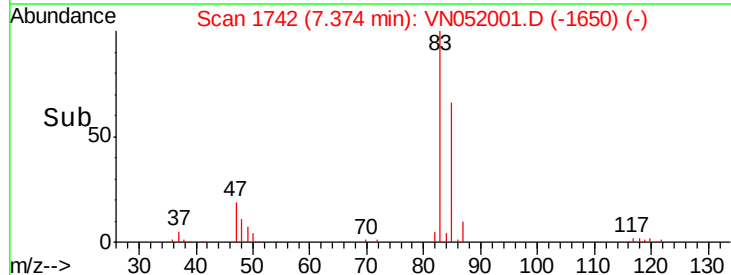
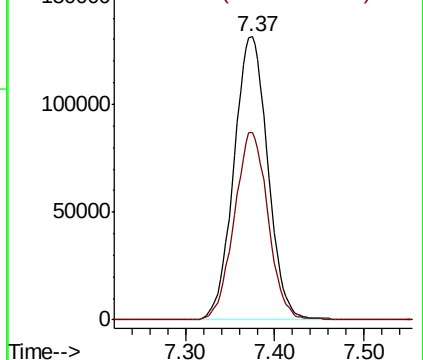


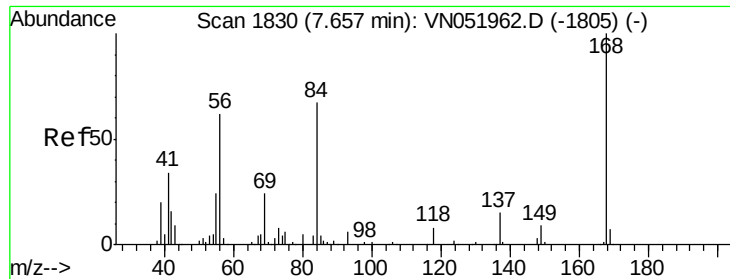
#30
Chloroform
Concen: 18.299 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion: 83 Resp: 347220
Ion Ratio Lower Upper
83 100
85 66.3 52.8 79.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

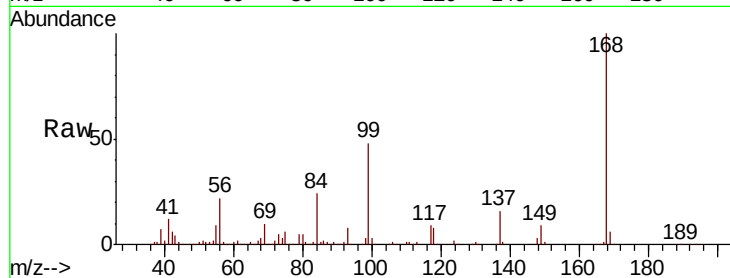




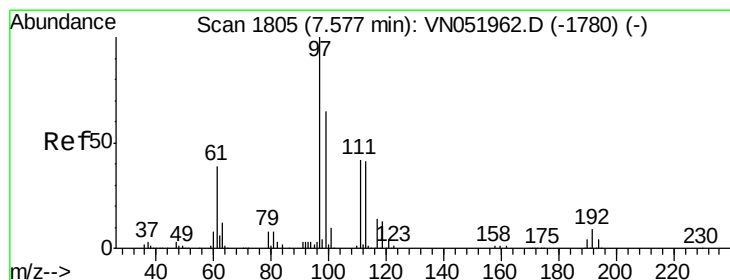
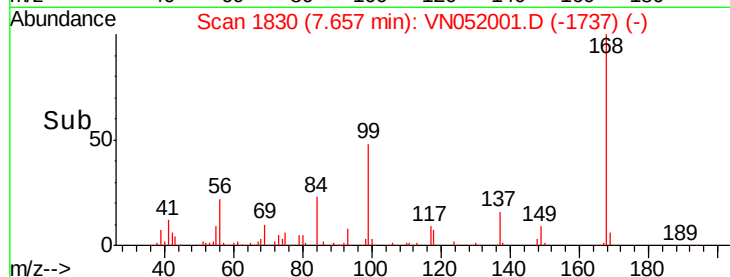
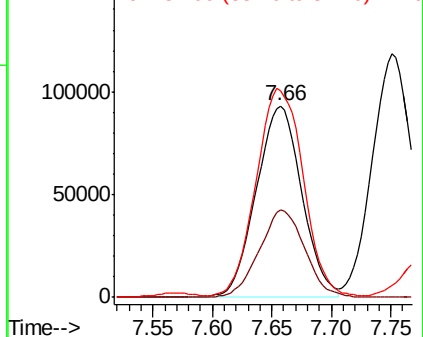
#31
Cyclohexane
Concen: 18.110 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion: 56 Resp: 246853
Ion Ratio Lower Upper
56 100
69 45.5 31.2 46.8
84 106.3 86.3 129.5

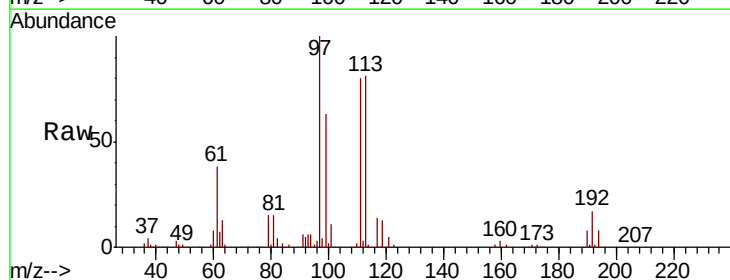


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

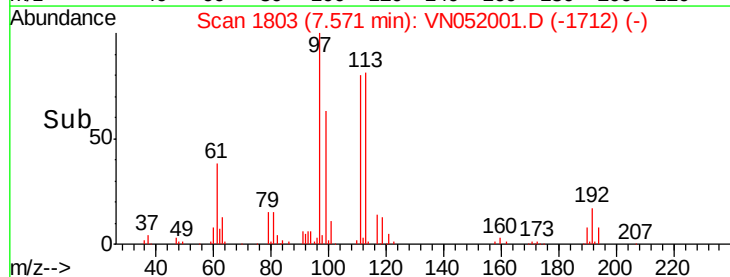
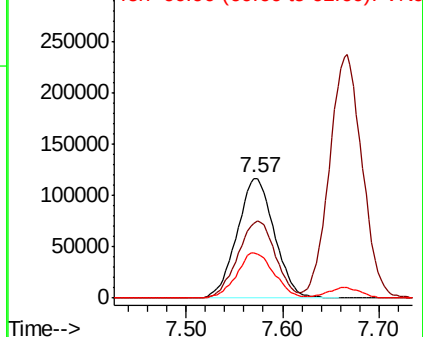


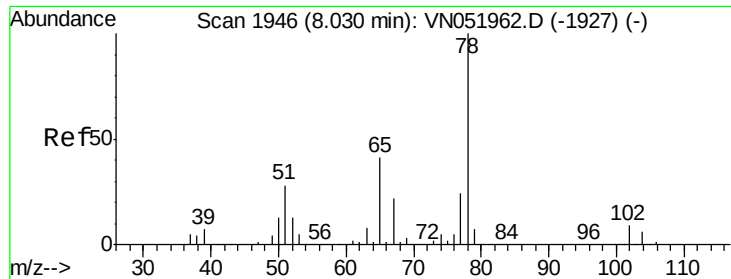
#32
1,1,1-Trichloroethane
Concen: 18.052 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion: 97 Resp: 313221
Ion Ratio Lower Upper
97 100
99 65.1 51.5 77.3
61 37.6 30.1 45.1



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

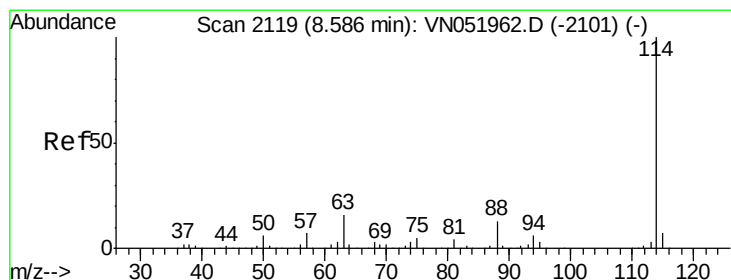
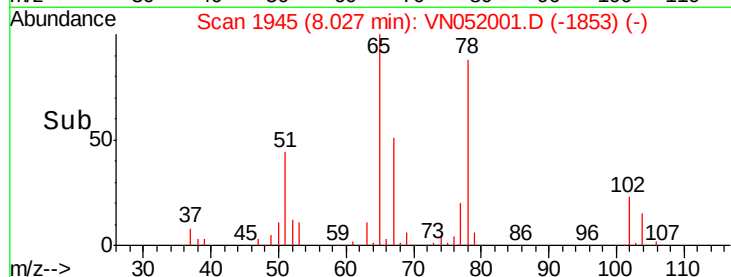
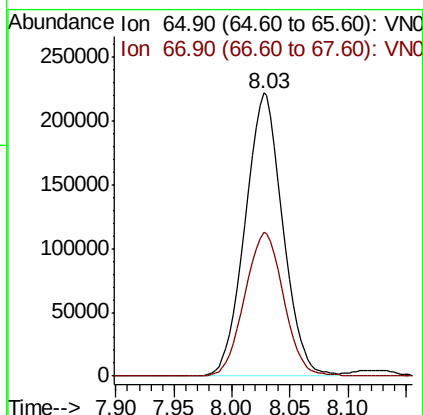
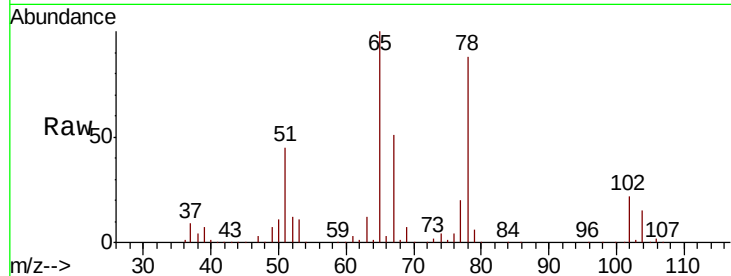




#33
 1,2-Dichloroethane-d4
 Concen: 18.052 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

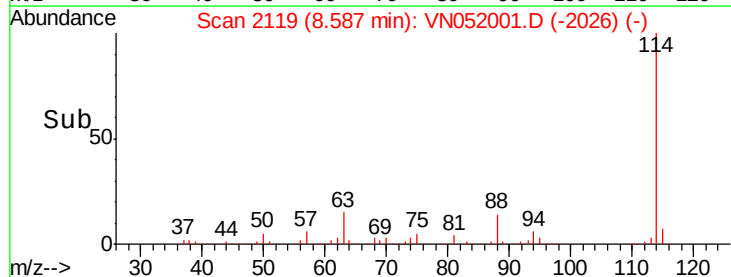
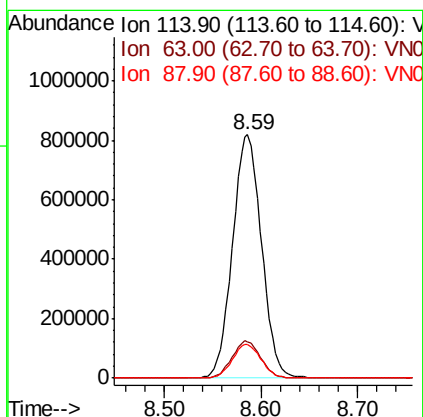
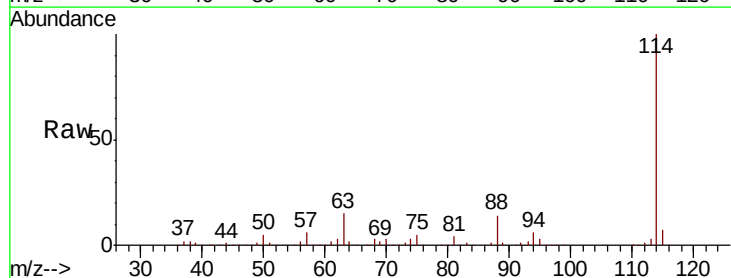
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

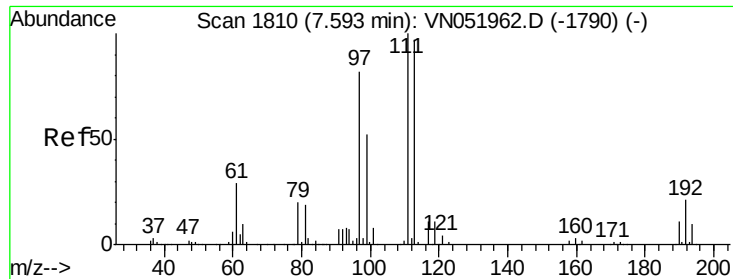
Tot Ion: 65 Resp: 502091
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion: 114 Resp: 1703206
 Ion Ratio Lower Upper
 114 100
 63 15.1 0.0 31.2
 88 13.8 0.0 27.0

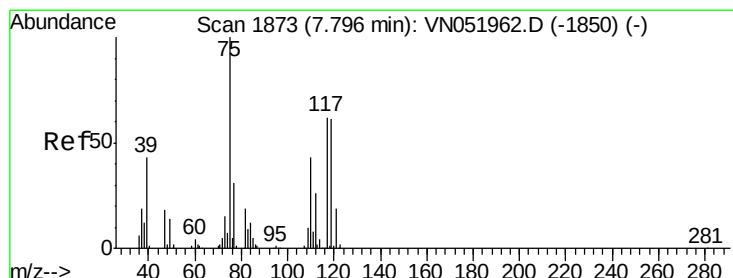
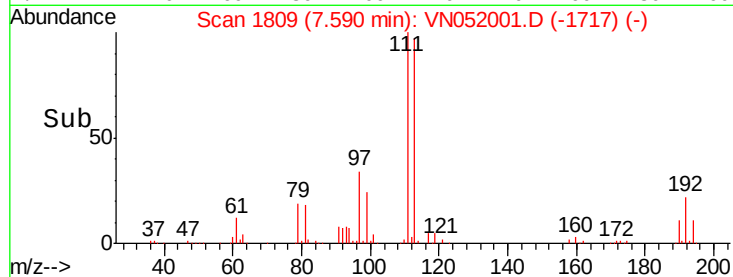
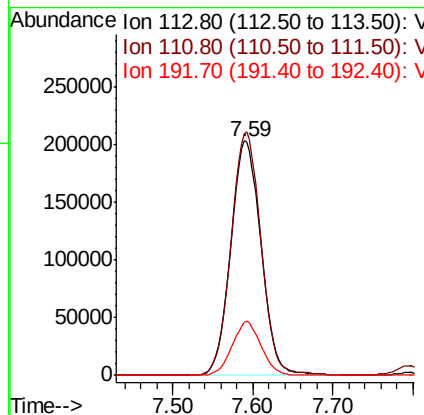
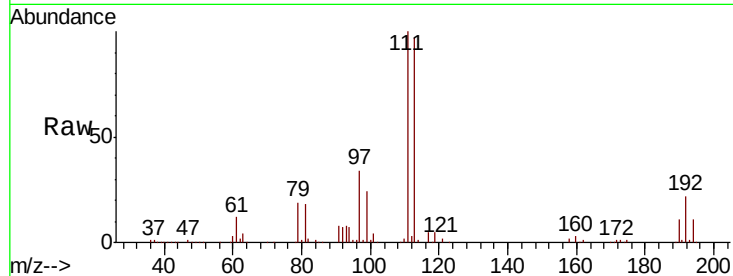




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

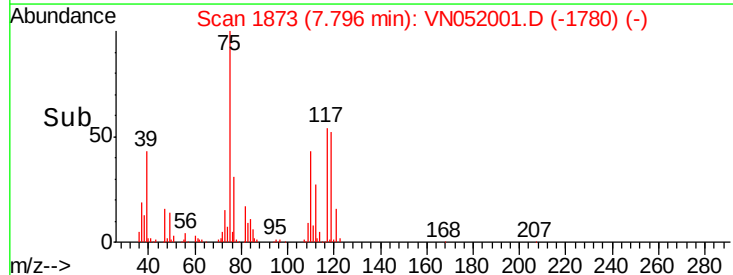
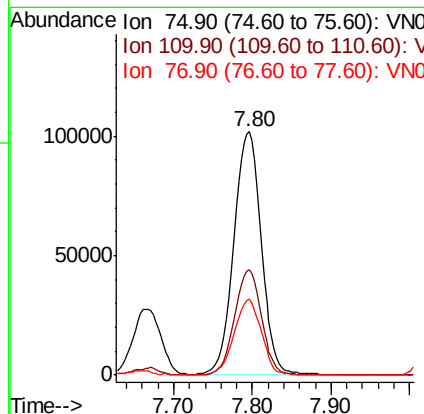
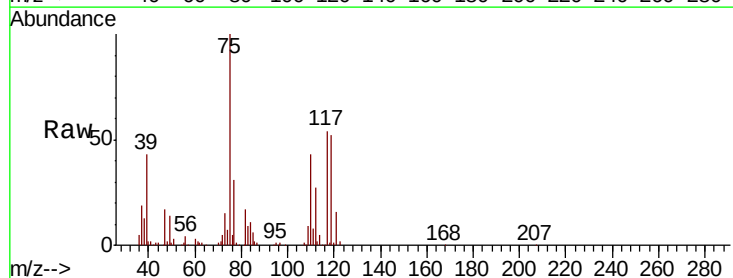
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

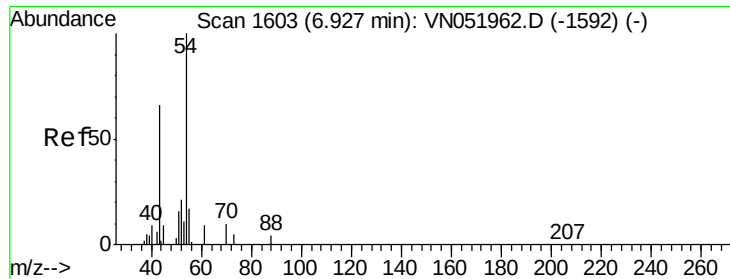
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.7	121.1
192	21.9	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 18.989 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	42.5	20.9	62.8
77	30.8	24.9	37.3

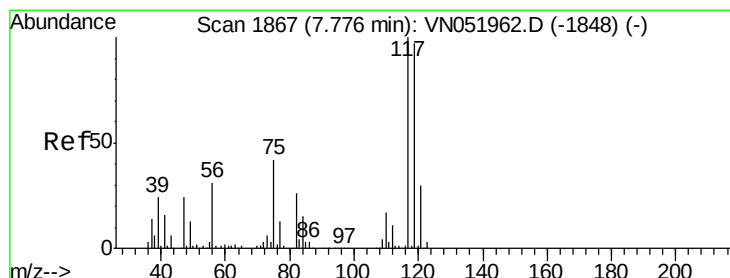
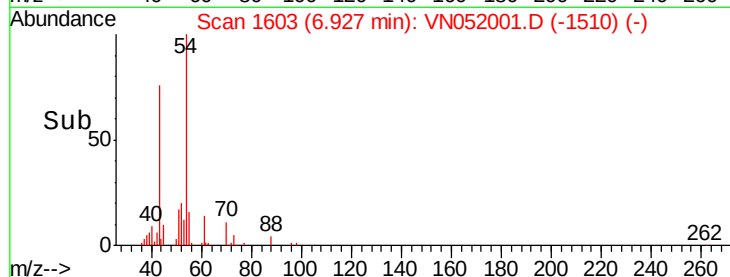
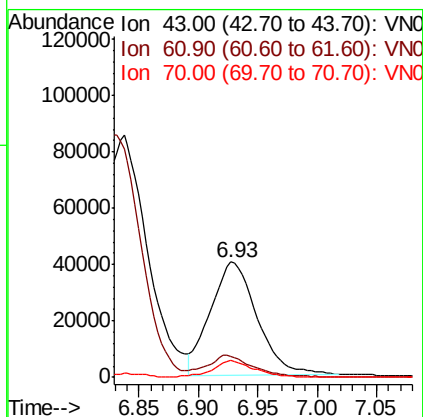
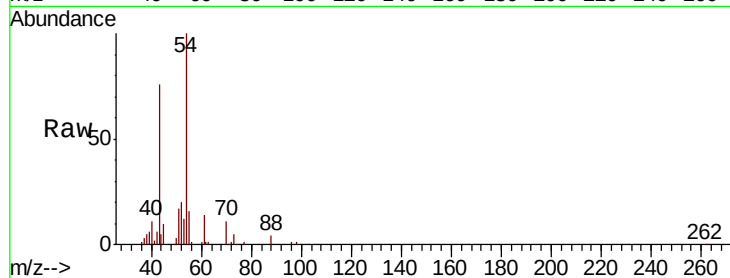




#37
Ethyl Acetate
Concen: 17.706 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

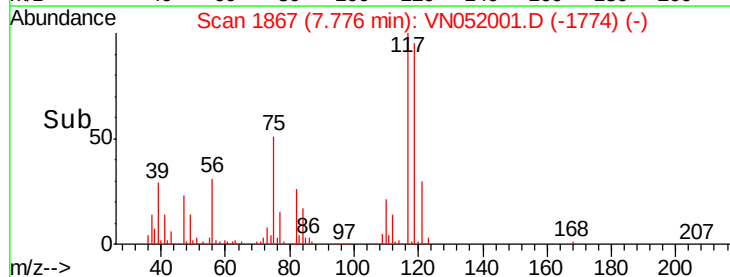
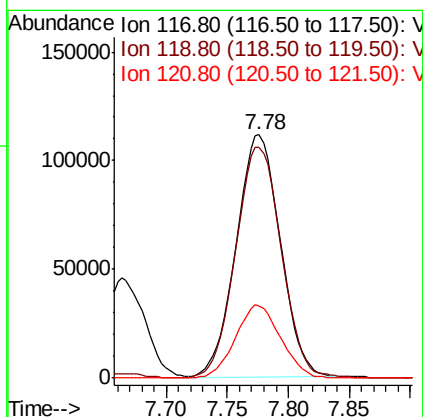
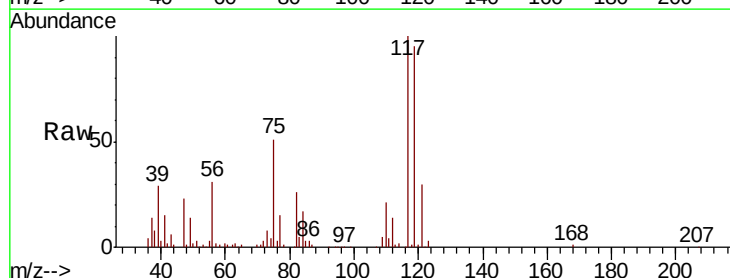
Instrument :
MSVOA_N
ClientSampled :
VN1025WBS01

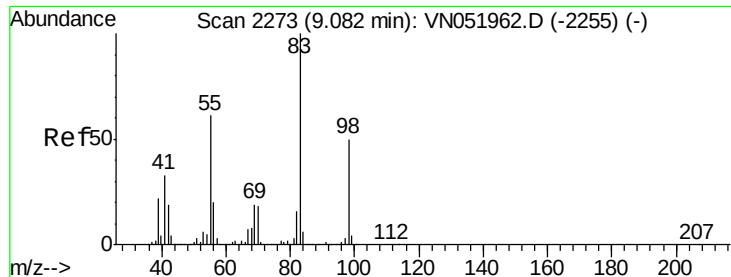
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	13.5	20.3
70	13.2	9.8	14.6



#38
Carbon Tetrachloride
Concen: 18.666 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.4	116.0
121	29.9	24.2	36.4

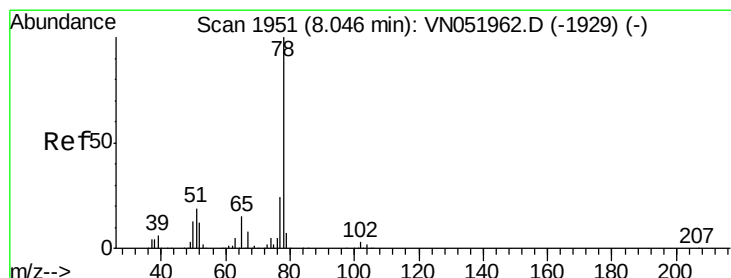
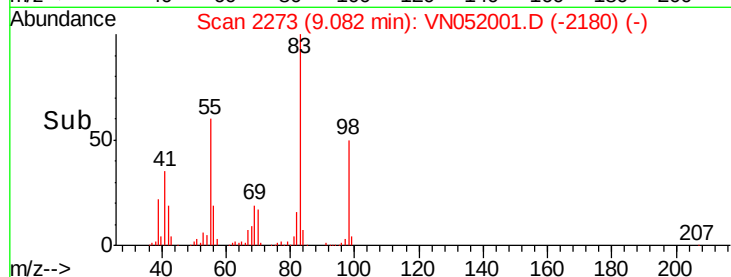
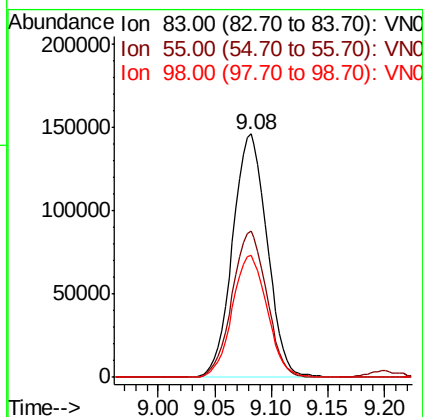
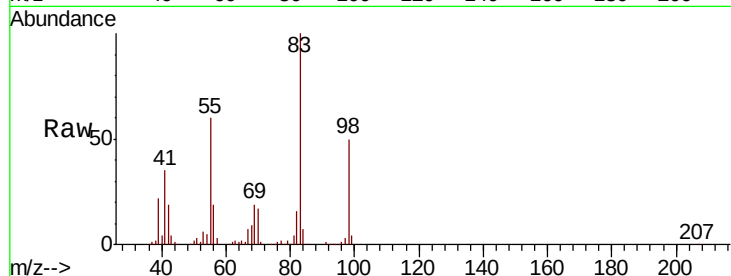




#39
Methylvlcyclohexane
Concen: 19.470 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

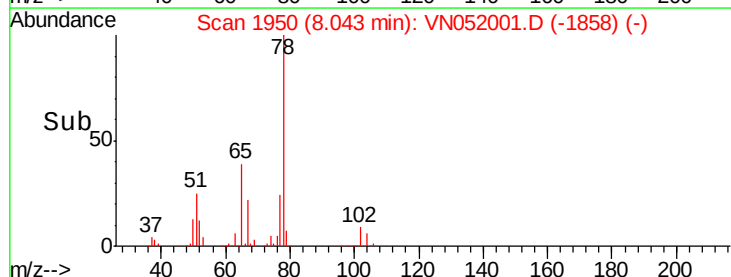
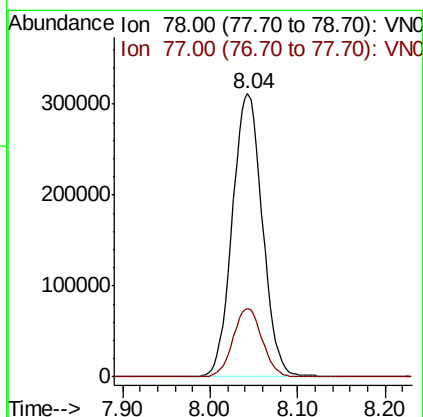
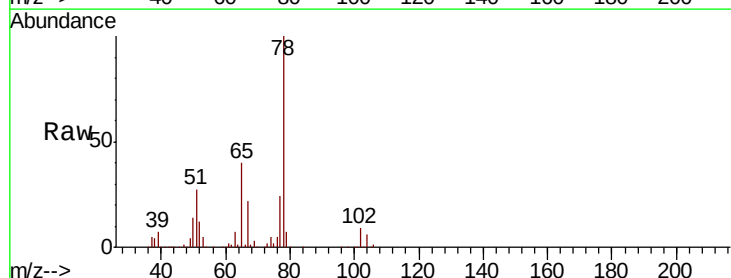
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

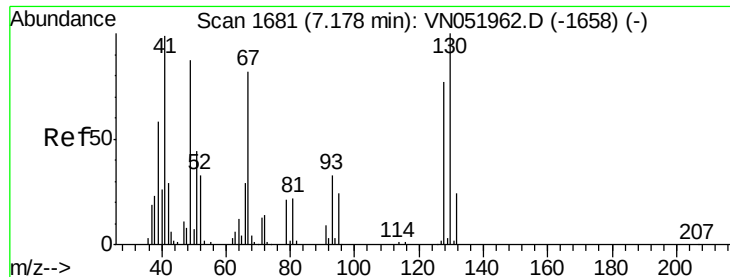
Tot Ion	83	Resp	310695
Ion Ratio	Lower	Upper	
83	100		
55	60.0	48.9	73.3
98	49.9	40.2	60.2



#40
Benzene
Concen: 19.181 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion	78	Resp	744075
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.4	29.0

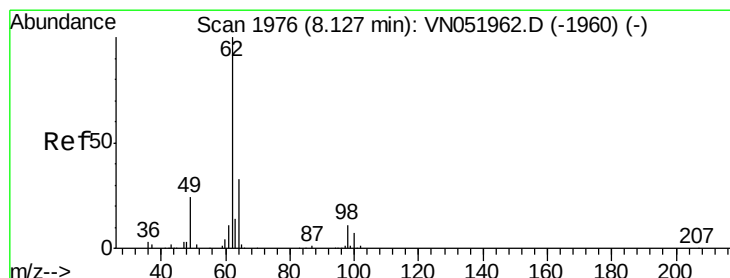
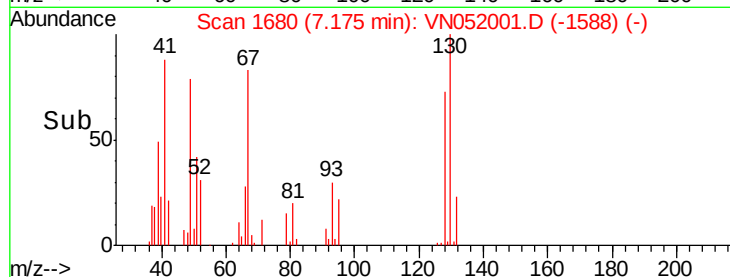
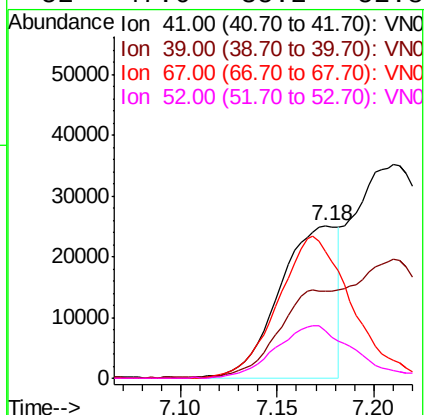
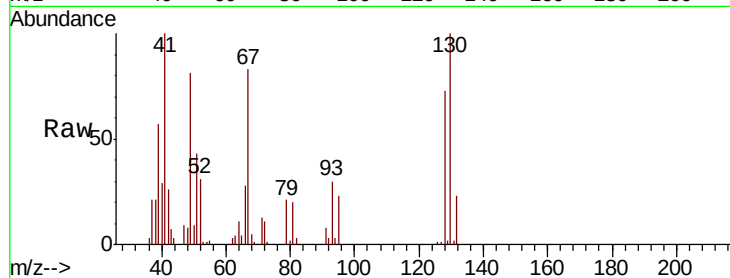




#41
Methacrylonitrile
Concen: 18.001 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

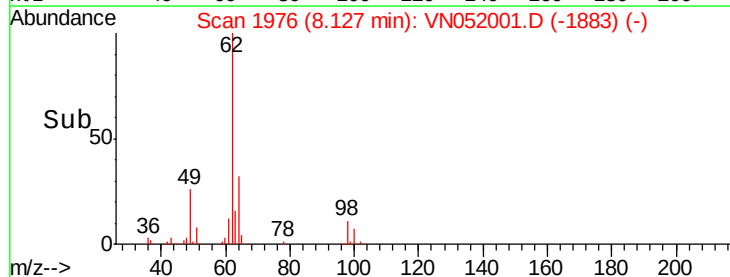
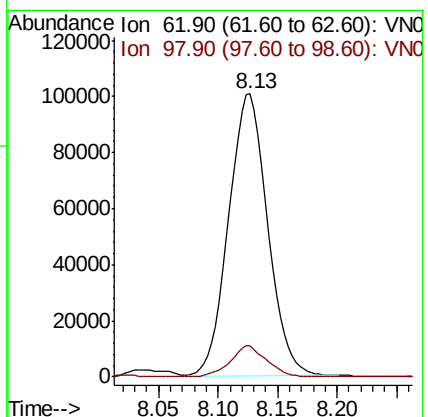
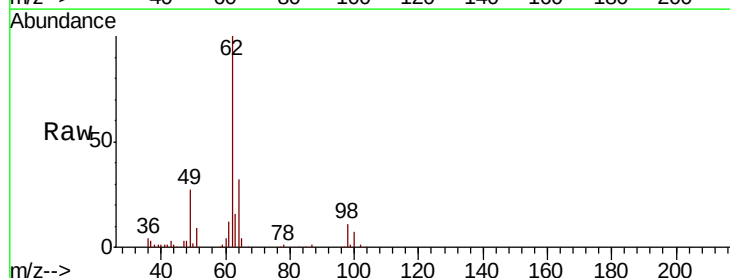
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

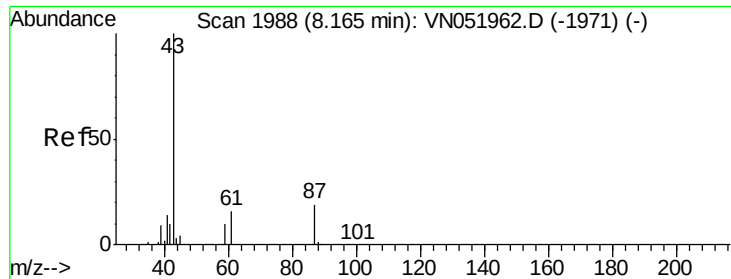
Tot Ion: 41 Resp: 52850
Ion Ratio Lower Upper
41 100
39 45.8 53.1 79.7#
67 118.0 93.8 140.6
52 47.6 35.2 52.8



#42
1,2-Dichloroethane
Concen: 18.362 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion: 62 Resp: 228387
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.6





#43

Isopropyl Acetate

Concen: 18.675 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

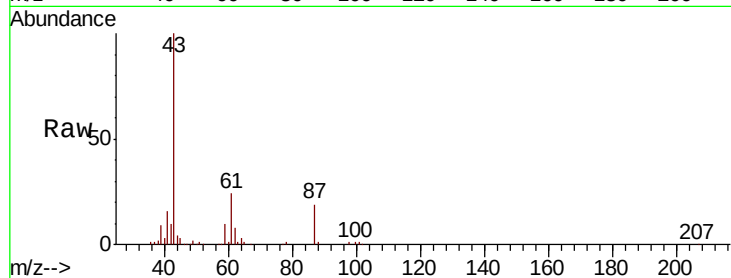
Tot Ion: 43 Resp: 204336

Ion Ratio Lower Upper

43 100

61 19.6 17.2 25.8

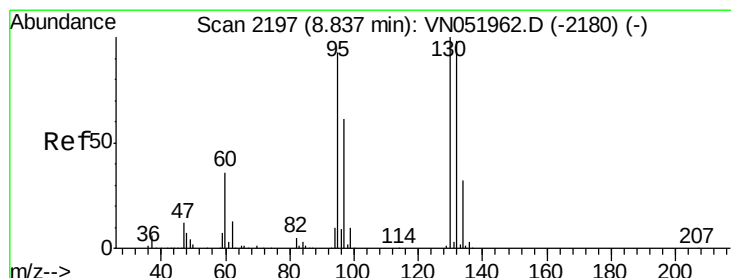
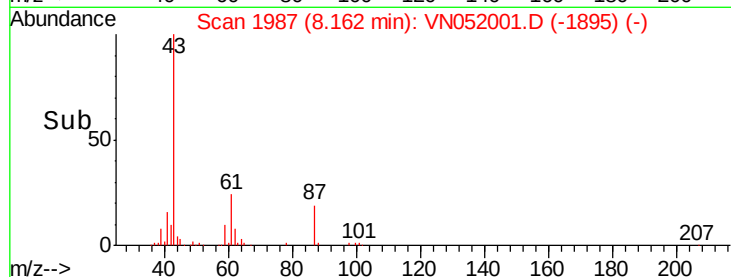
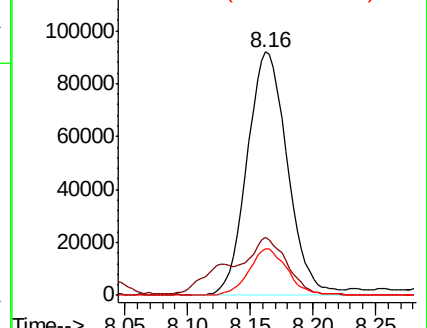
87 18.6 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)



#44

Trichloroethene

Concen: 19.517 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052001.D

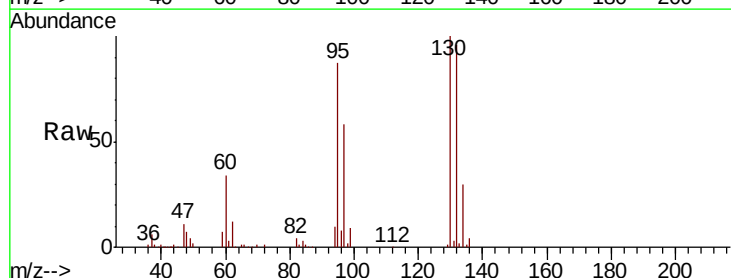
Acq: 25 Oct 2018 10:27

Tgt Ion:130 Resp: 243015

Ion Ratio Lower Upper

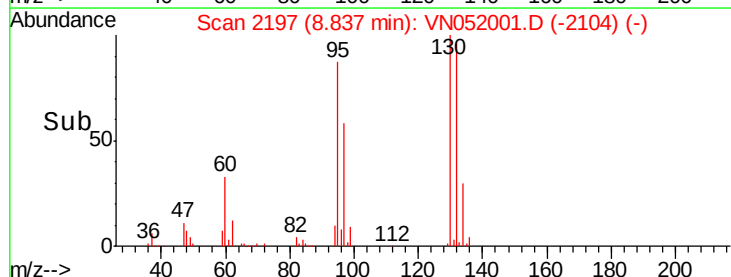
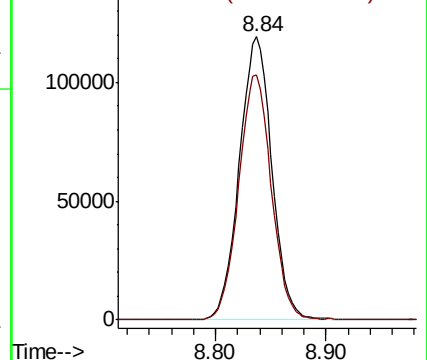
130 100

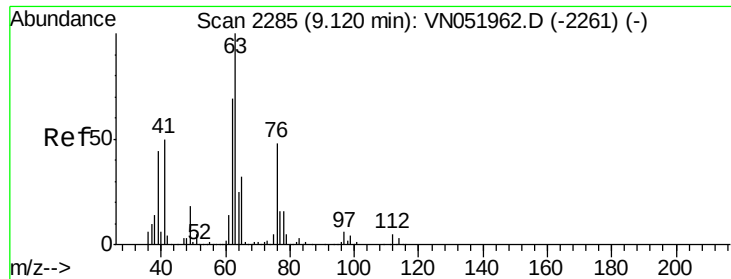
95 86.7 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN051962.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051962.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 19.196 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

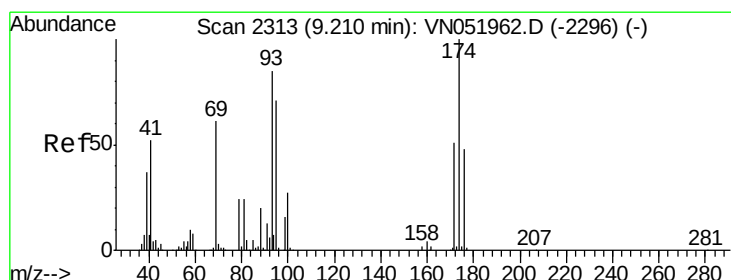
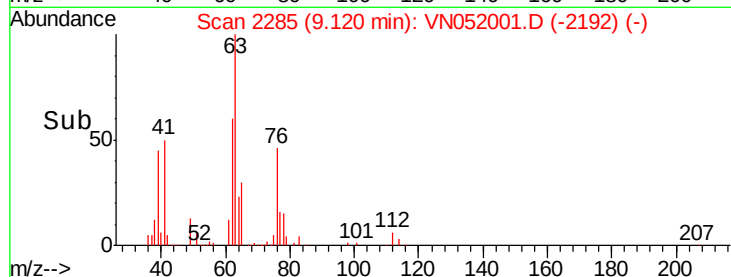
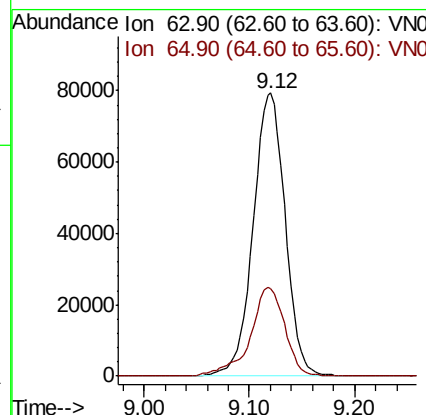
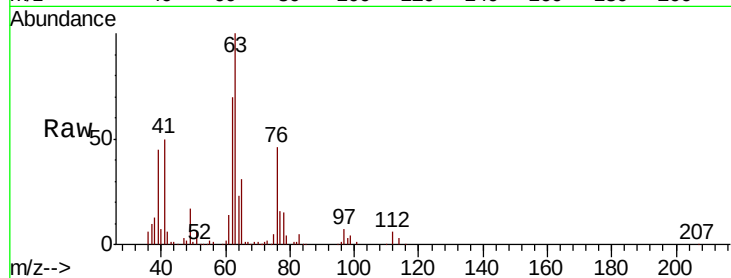
VN1025WBS01

Tot Ion: 63 Resp: 168451

Ion Ratio Lower Upper

63 100

65 30.9 25.8 38.6



#46

Dibromomethane

Concen: 19.116 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

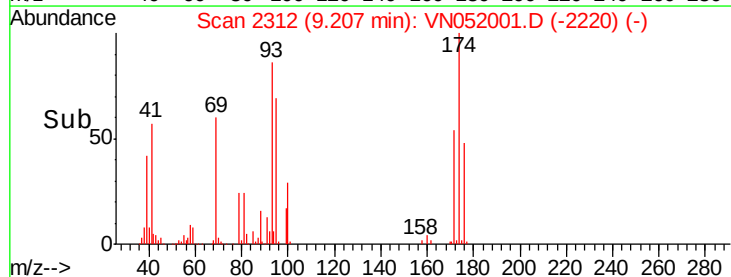
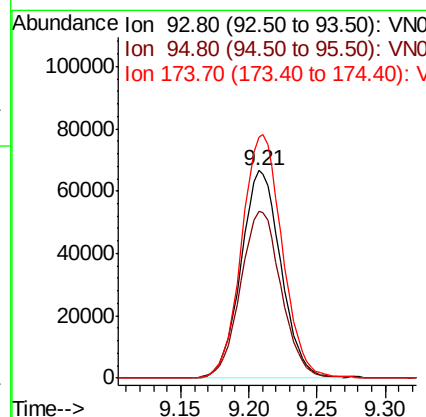
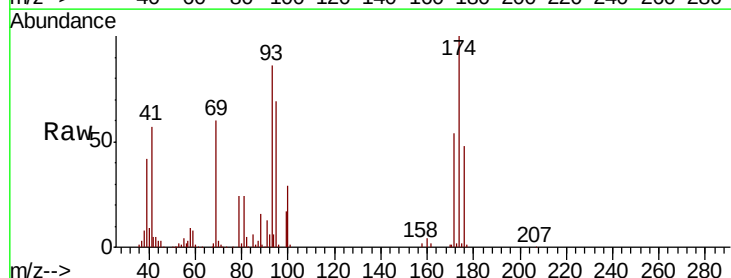
Tgt Ion: 93 Resp: 135225

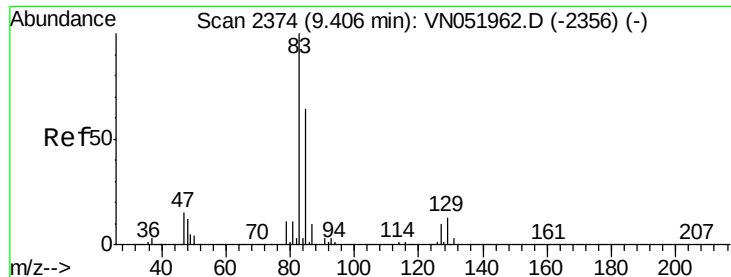
Ion Ratio Lower Upper

93 100

95 81.9 66.7 100.1

174 119.3 93.8 140.6





#47

Bromodichloromethane

Concen: 18.326 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

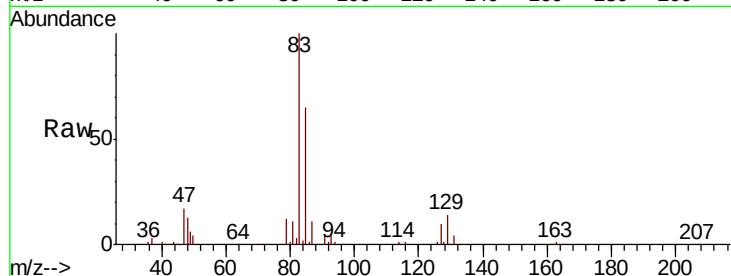
Tot Ion: 83 Resp: 244829

Ion Ratio Lower Upper

83 100

85 65.2 51.0 76.4

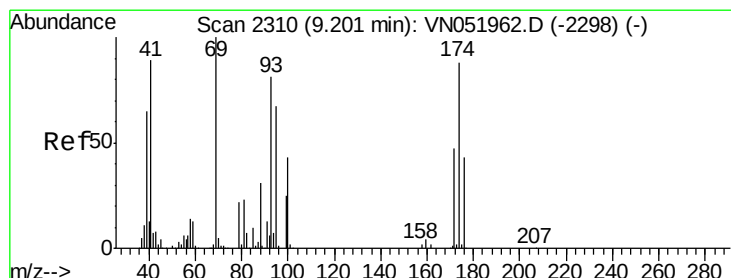
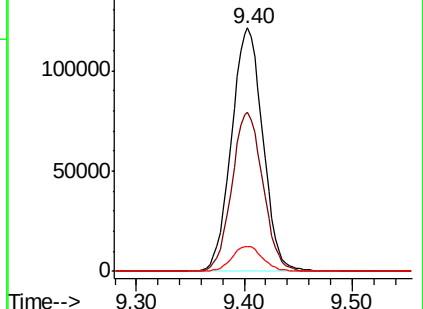
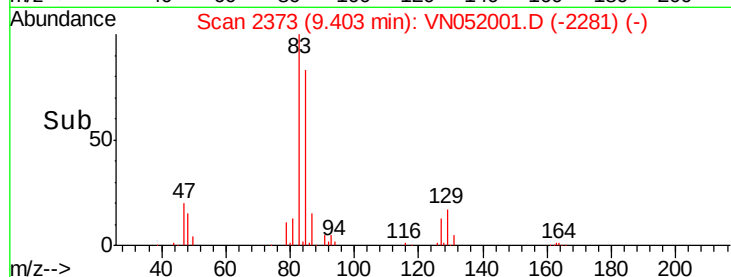
127 10.2 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN051962.D (-2356) (-)



#48

Methyl methacrylate

Concen: 18.411 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

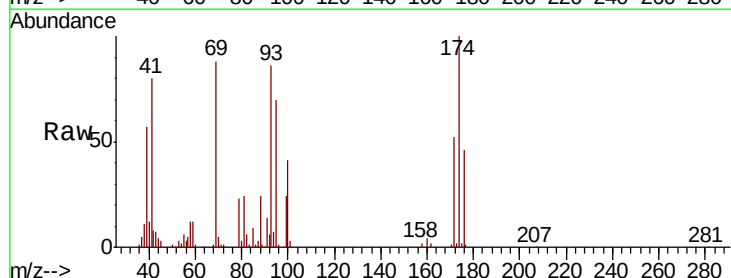
Tgt Ion: 41 Resp: 97372

Ion Ratio Lower Upper

41 100

69 113.9 92.2 138.4

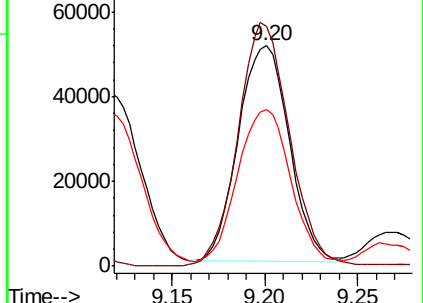
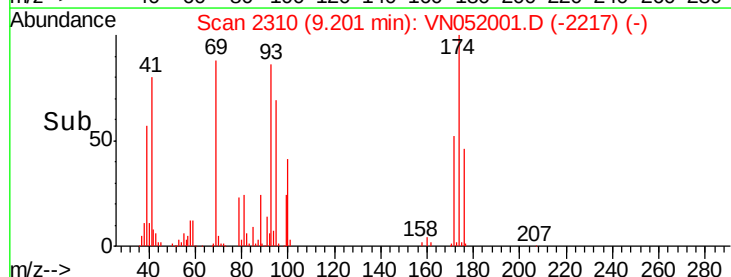
39 75.6 60.2 90.4

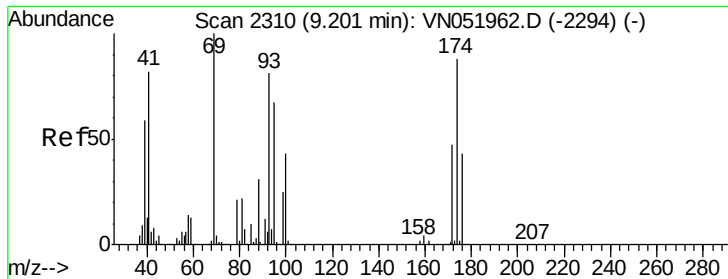


Abundance Ion 41.00 (40.70 to 41.70): VN051962.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051962.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051962.D (-2298) (-)





#49

1,4-Dioxane

Concen: 337.405 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

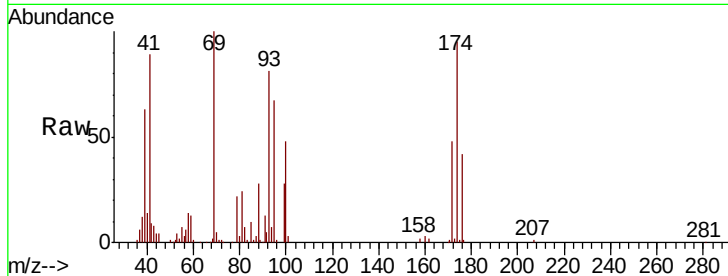
Tot Ion: 88 Resp: 32720

Ion Ratio Lower Upper

88 100

43 27.8 18.8 28.2

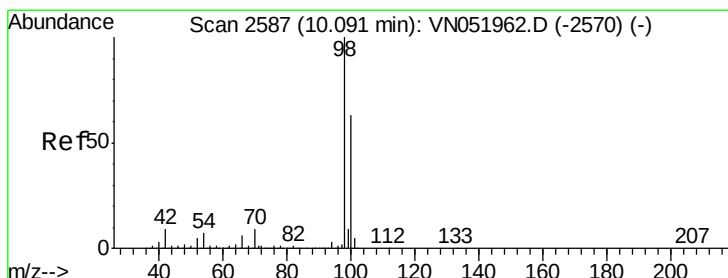
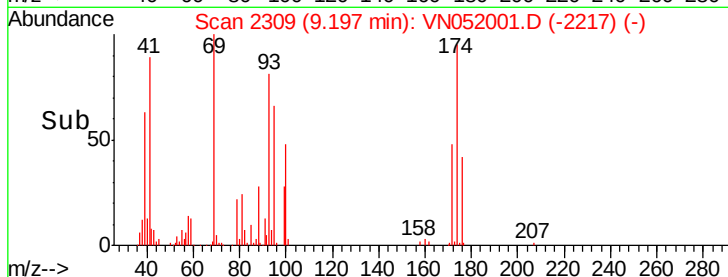
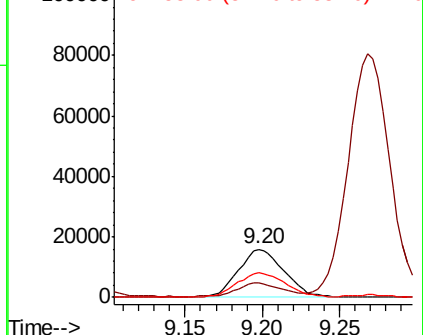
58 54.5 39.8 59.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 337.405 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052001.D

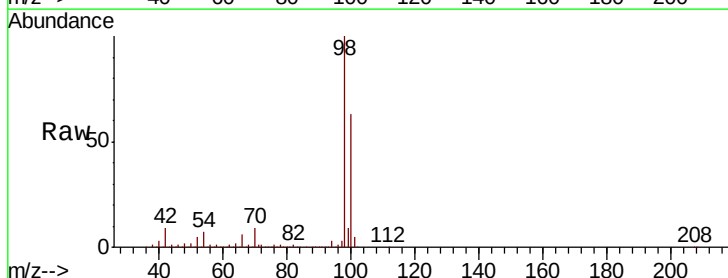
Acq: 25 Oct 2018 10:27

Tgt Ion: 98 Resp: 1907722

Ion Ratio Lower Upper

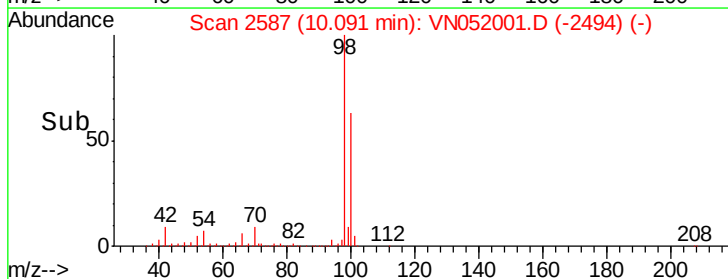
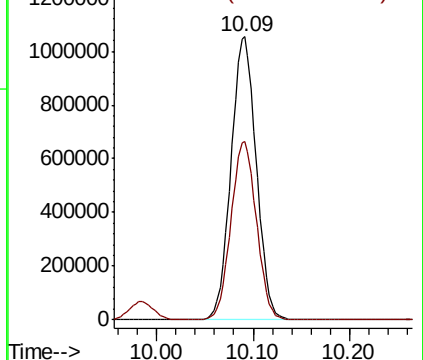
98 100

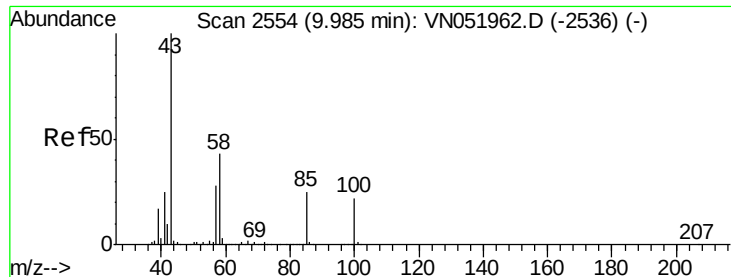
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 92.883 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

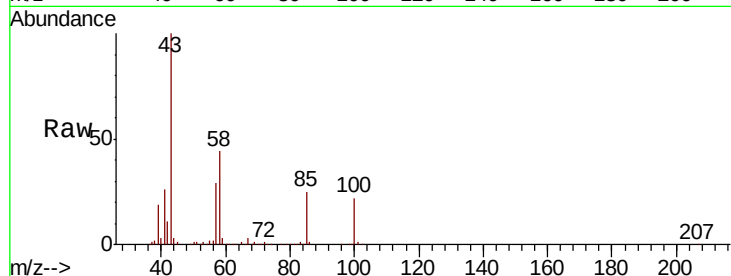
VN1025WBS01

Tot Ion: 43 Resp: 559028

Ion Ratio Lower Upper

43 100

58 43.4 34.8 52.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

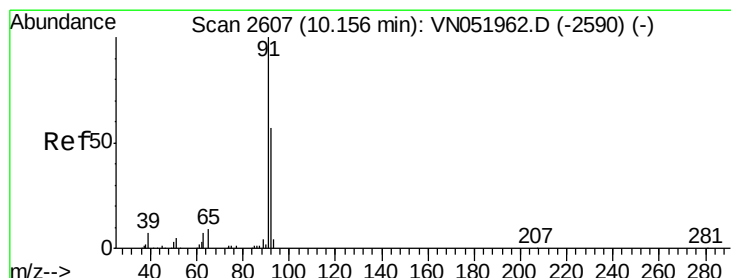
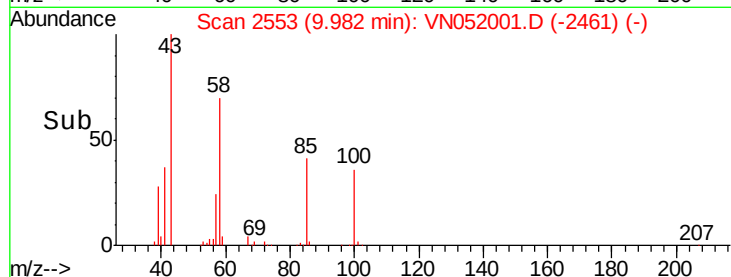
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.264 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052001.D

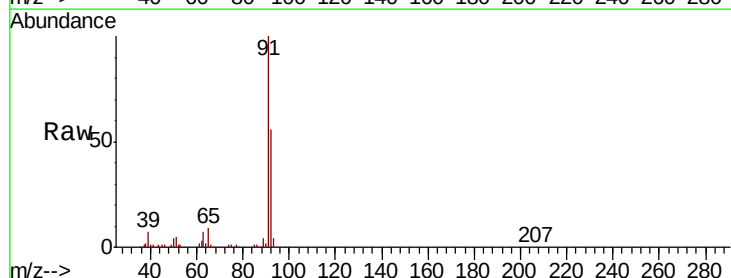
Acq: 25 Oct 2018 10:27

Tgt Ion: 92 Resp: 506730

Ion Ratio Lower Upper

92 100

91 177.1 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

500000

400000

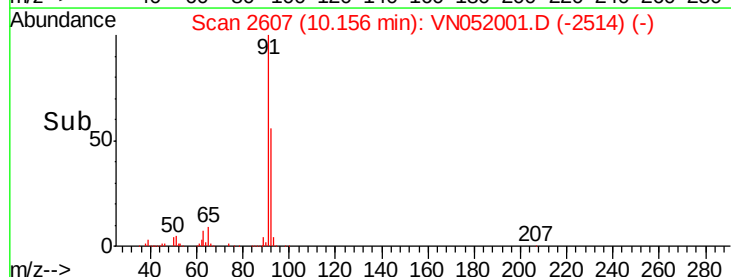
300000

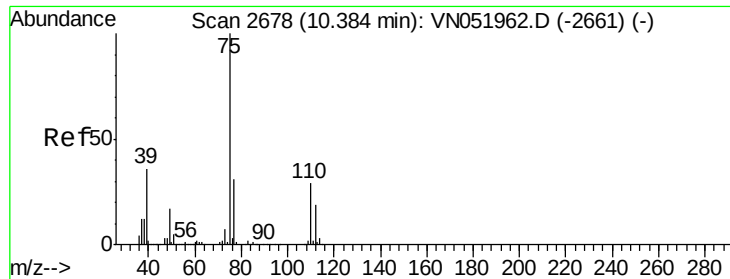
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.000 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

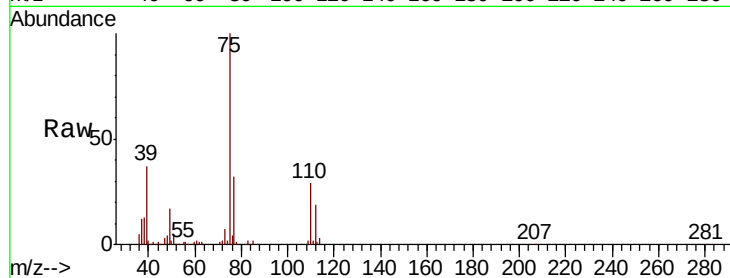
VN1025WBS01

Tot Ion: 75 Resp: 234439

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

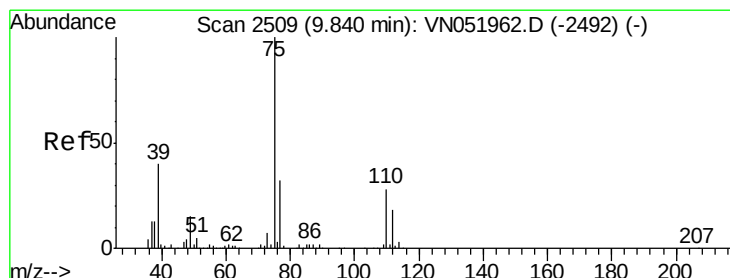
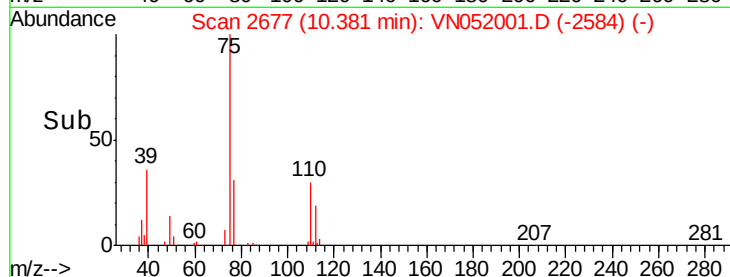
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.217 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

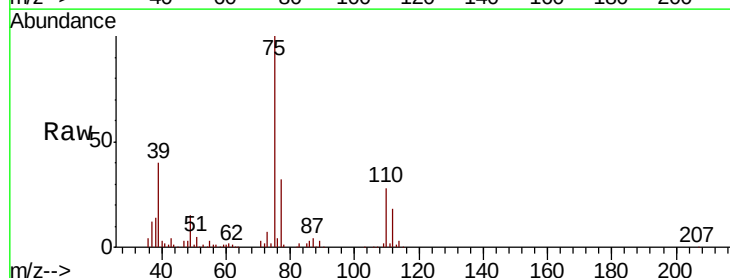
Tgt Ion: 75 Resp: 268331

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 39.8 32.0 48.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

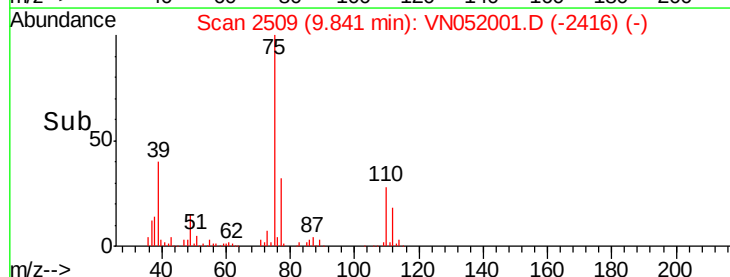
150000

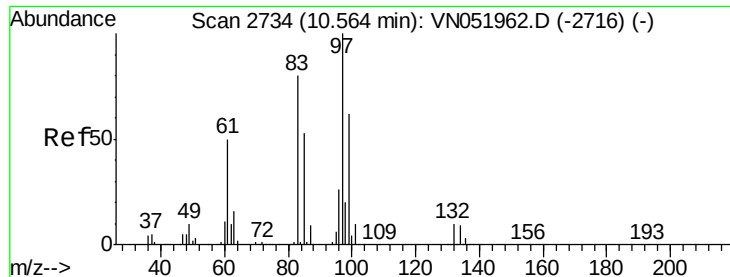
100000

50000

0

Time-->

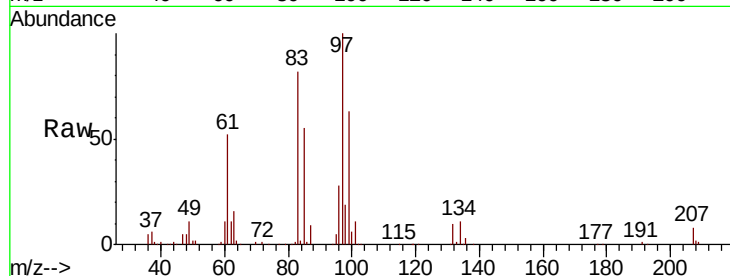




#55
 1,1,2-Trichloroethane
 Concen: 18.505 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion:	97	Resp:	179850
Ion	Ratio	Lower	Upper
97	100		
83	82.5	64.0	96.0
85	54.8	42.4	63.6
99	63.5	49.4	74.2



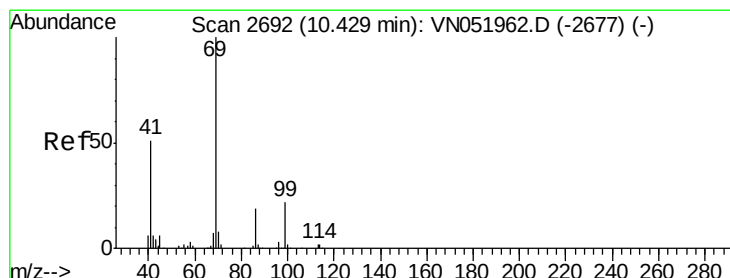
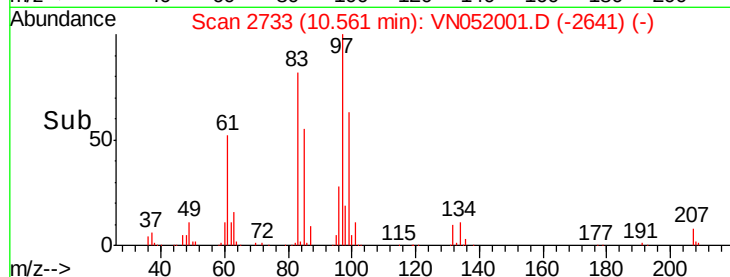
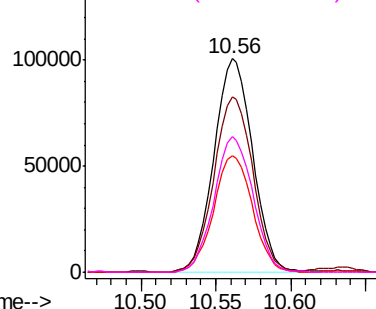
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

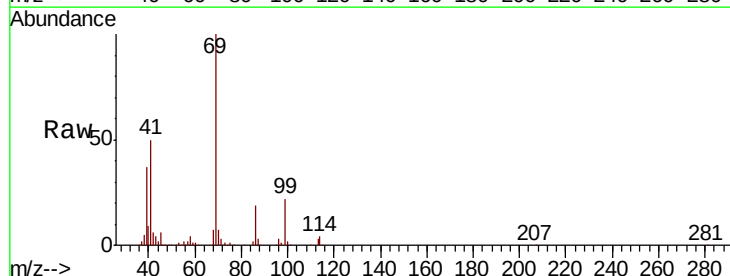
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 19.059 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion:	69	Resp:	199124
Ion	Ratio	Lower	Upper
69	100		
41	50.3	40.7	61.1
39	35.7	29.3	43.9

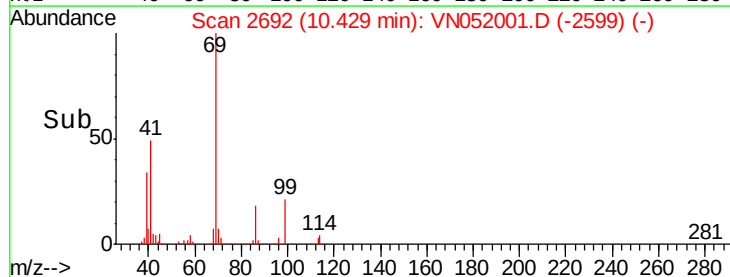
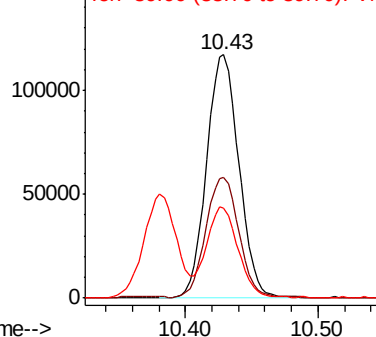


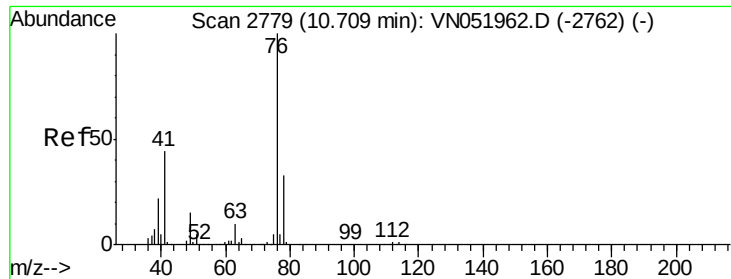
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

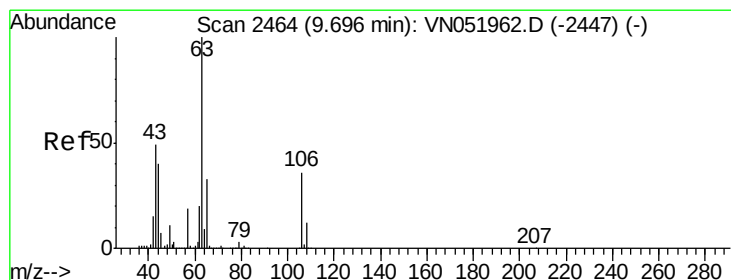
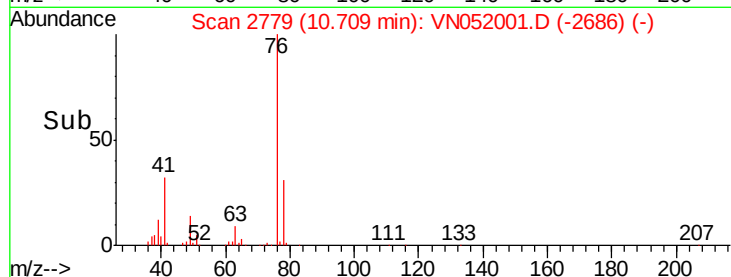
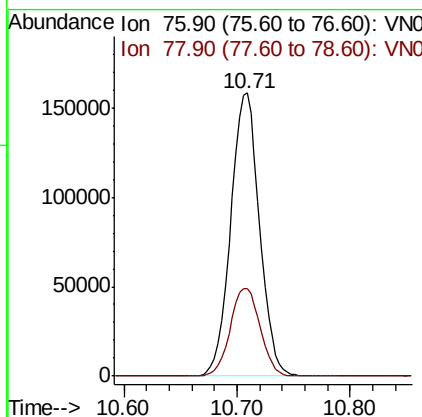
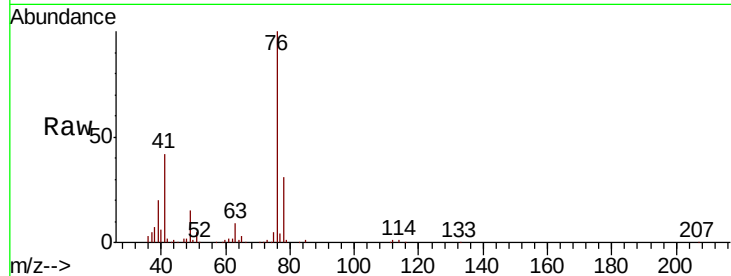




#57
 1,3-Dichloropropane
 Concen: 18.960 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

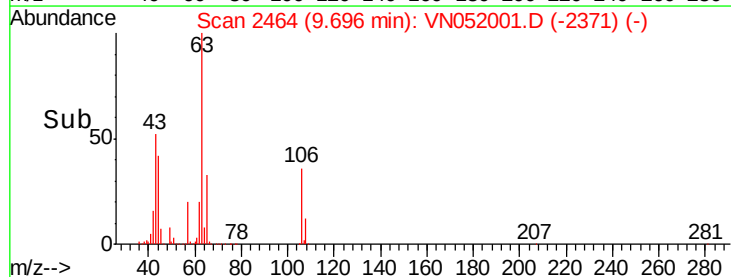
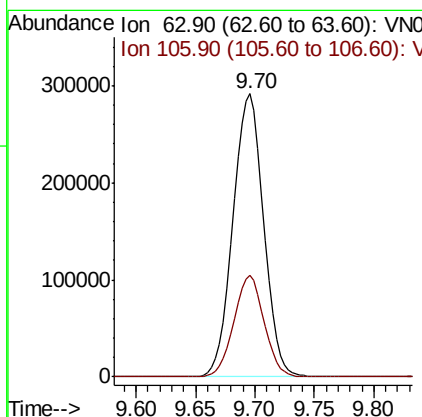
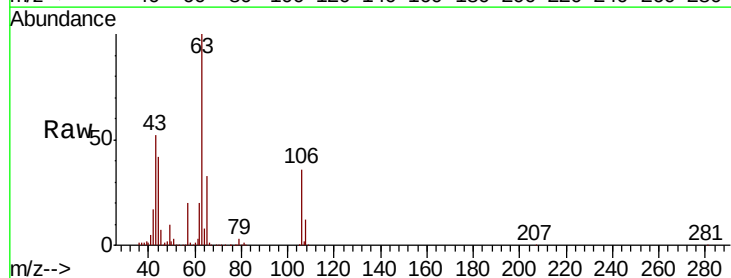
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

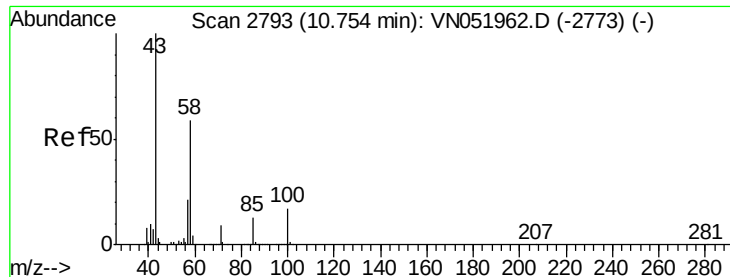
Tot Ion: 76 Resp: 279753
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.521 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion: 63 Resp: 522169
 Ion Ratio Lower Upper
 63 100
 106 35.3 28.3 42.5

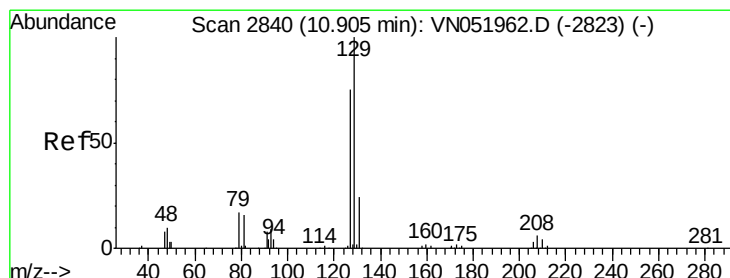
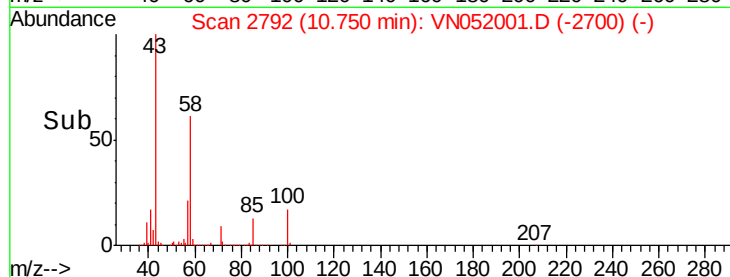
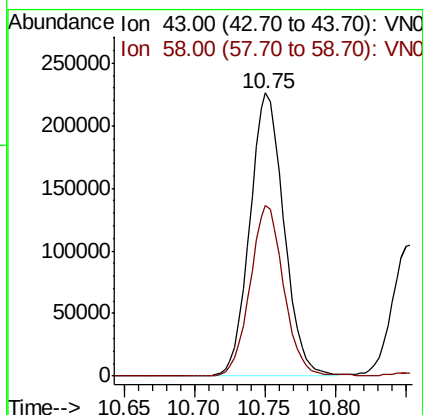
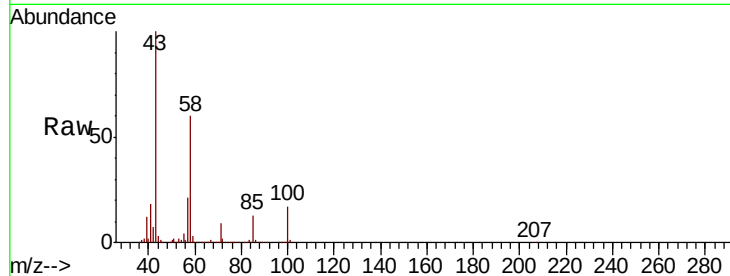




#59
2-Hexanone
Concen: 94.342 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

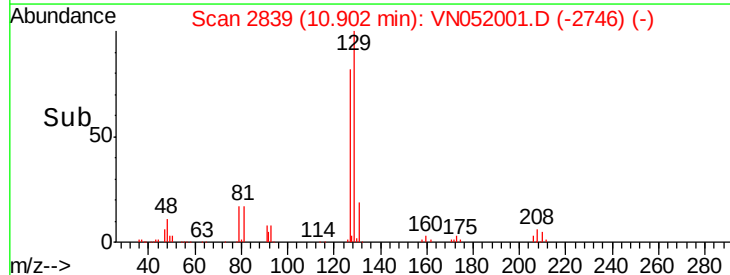
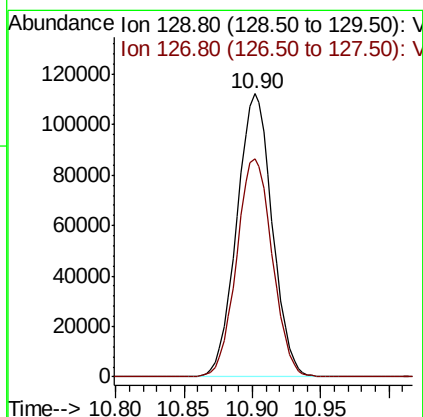
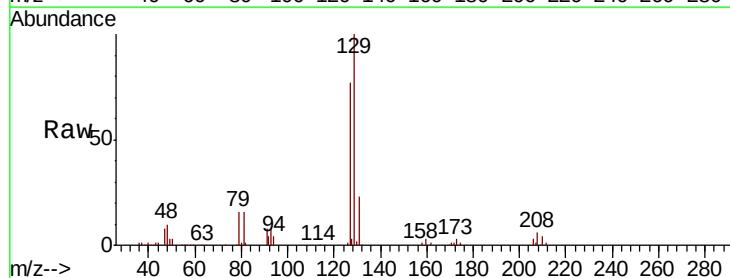
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

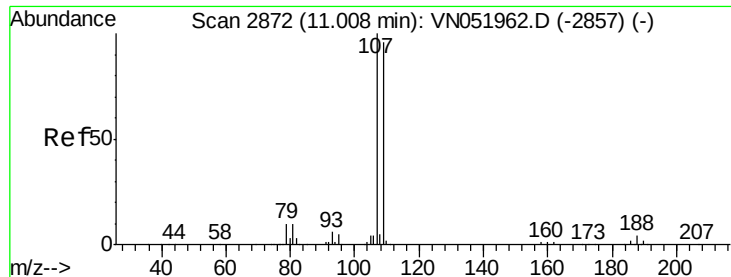
Tot Ion: 43 Resp: 381507
Ion Ratio Lower Upper
43 100
58 59.9 29.9 89.8



#60
Dibromochloromethane
Concen: 17.673 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion: 129 Resp: 202615
Ion Ratio Lower Upper
129 100
127 77.6 38.0 114.0

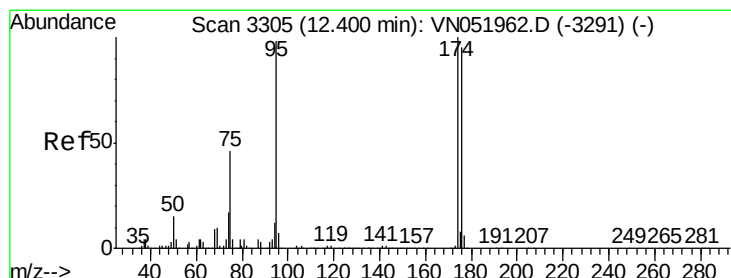
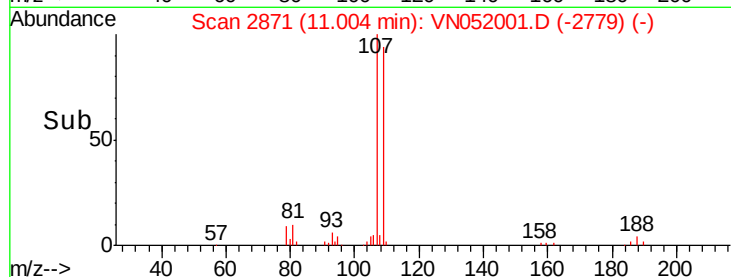
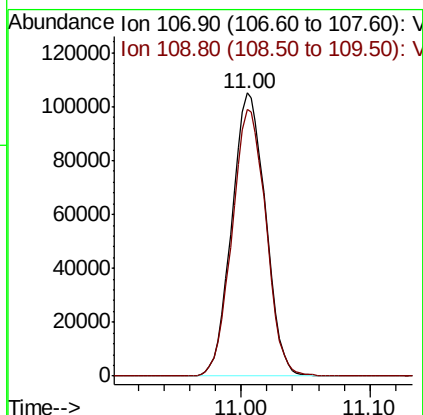
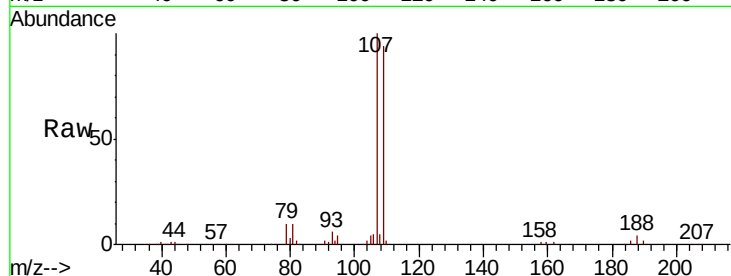




#61
 1,2-Dibromoethane
 Concen: 18.614 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

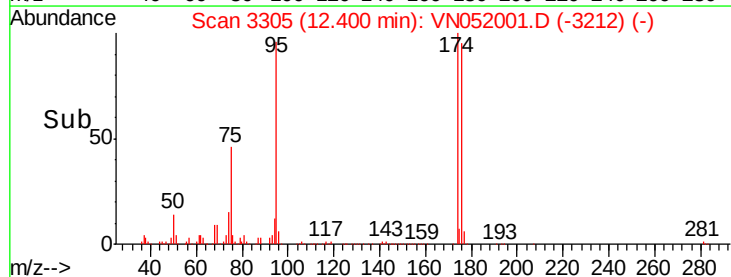
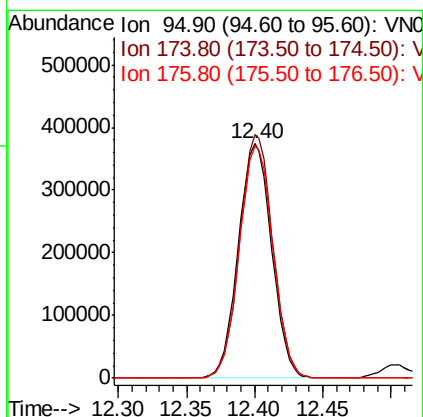
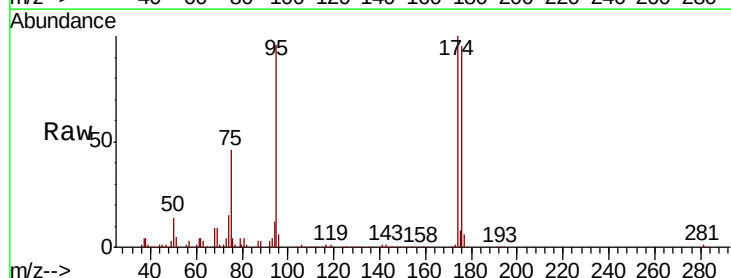
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

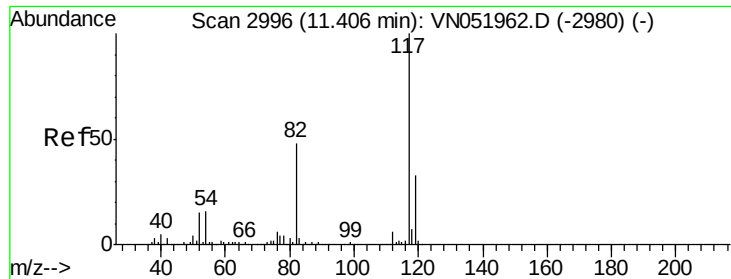
Tot Ion:107 Resp: 190748
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 18.614 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion: 95 Resp: 636108
 Ion Ratio Lower Upper
 95 100
 174 103.1 0.0 206.0
 176 99.3 0.0 198.0

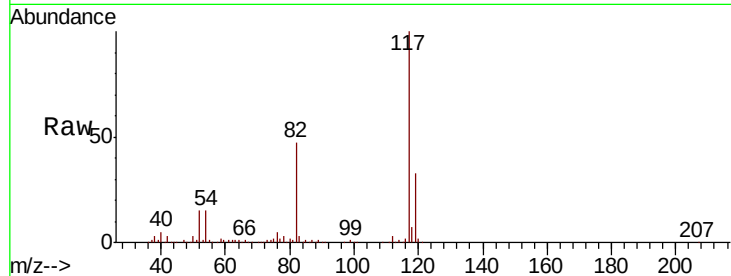




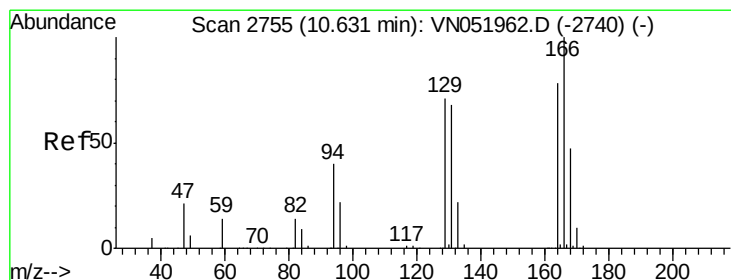
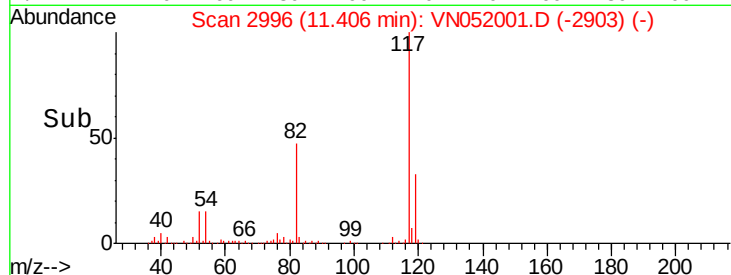
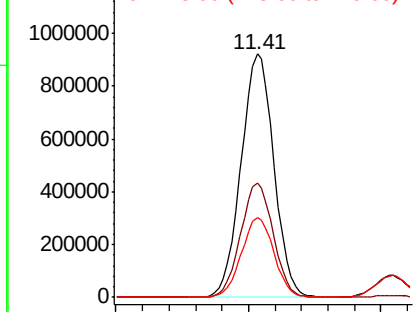
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion:117 Resp: 1577482
Ion Ratio Lower Upper
117 100
82 47.0 38.1 57.1
119 32.7 26.4 39.6

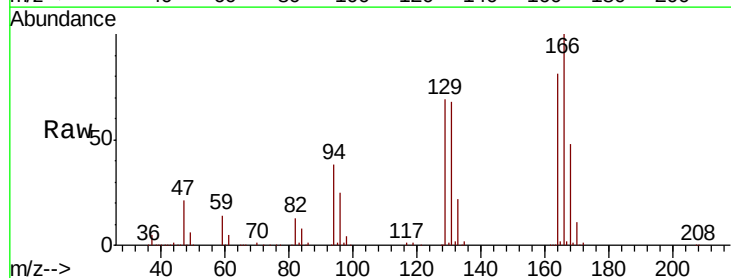


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

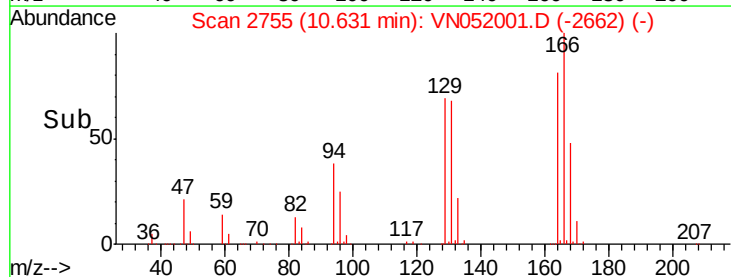
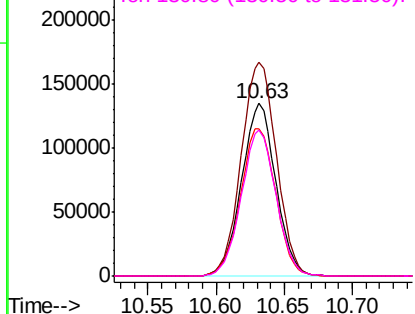


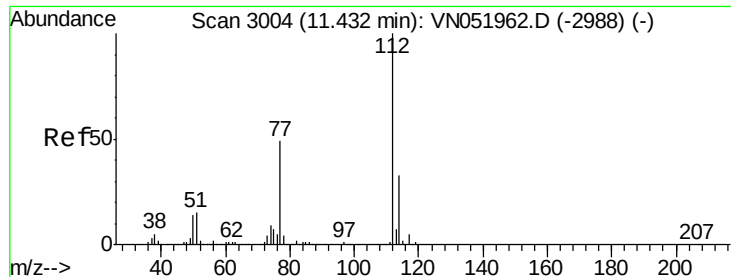
#64
Tetrachloroethene
Concen: 19.371 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion:164 Resp: 234538
Ion Ratio Lower Upper
164 100
166 123.8 103.1 154.7
129 85.7 73.6 110.4
131 84.4 70.3 105.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

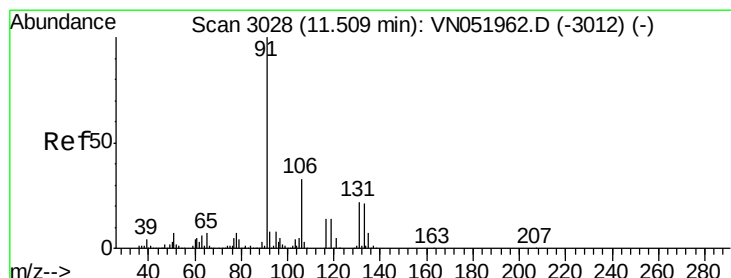
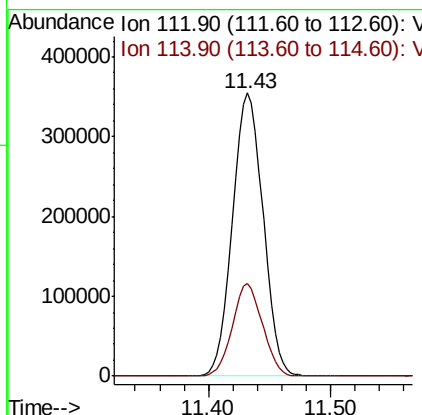
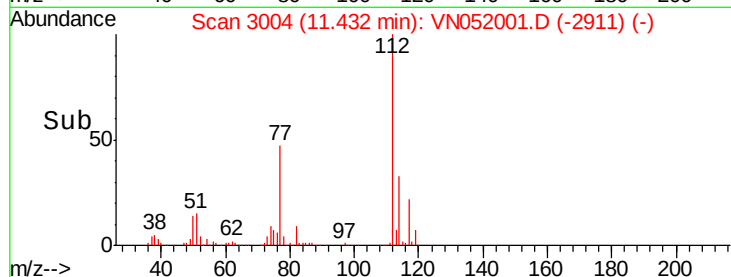
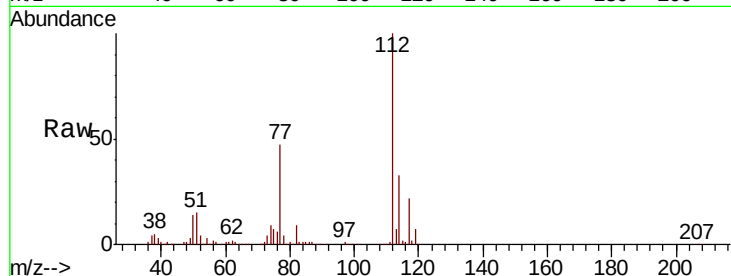




#65
Chlorobenzene
Concen: 19.401 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

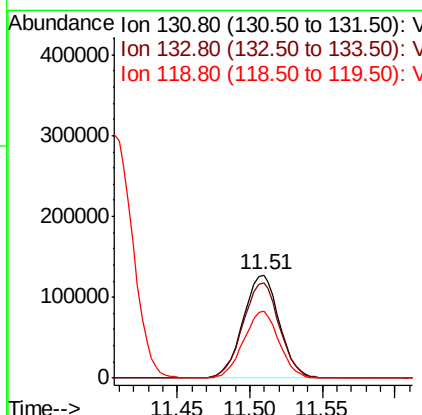
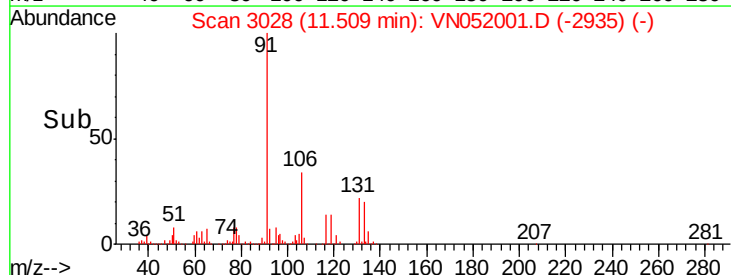
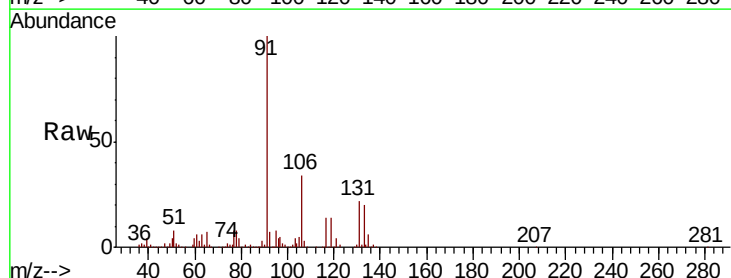
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

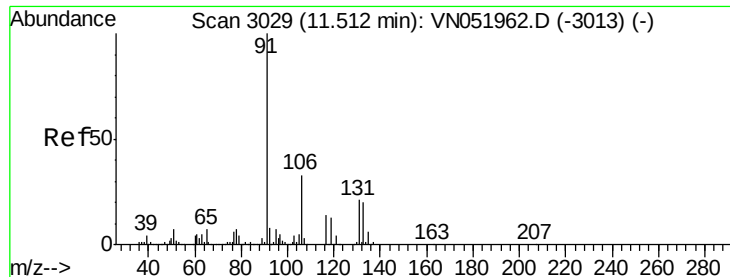
Tot Ion:112 Resp: 617923
Ion Ratio Lower Upper
112 100
114 32.8 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.377 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion:131 Resp: 221832
Ion Ratio Lower Upper
131 100
133 93.6 47.8 143.3
119 63.6 32.0 96.2

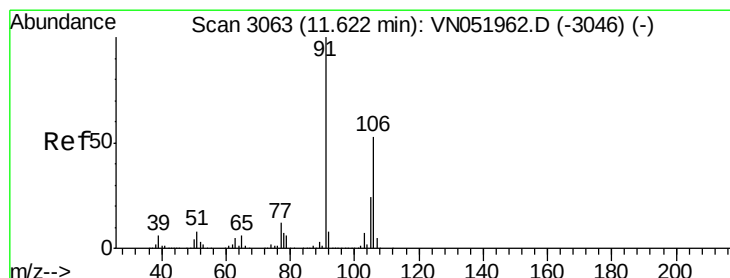
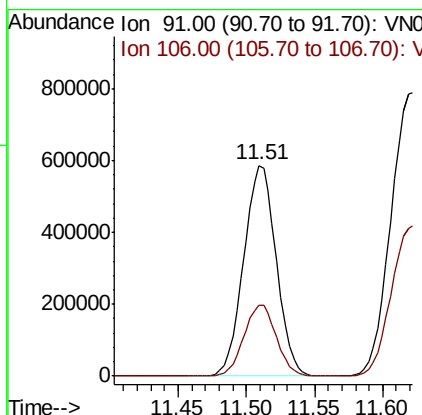
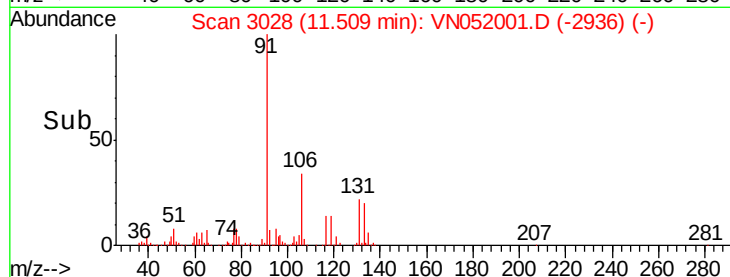
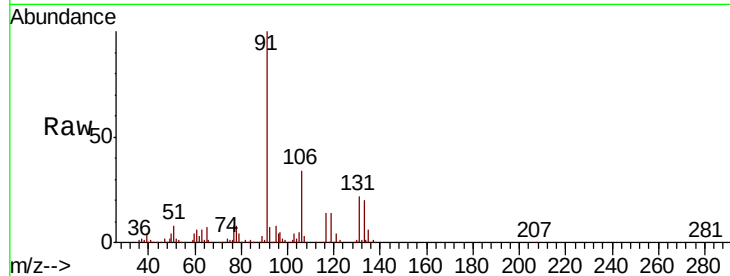




#67
Ethyl Benzene
Concen: 18.949 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

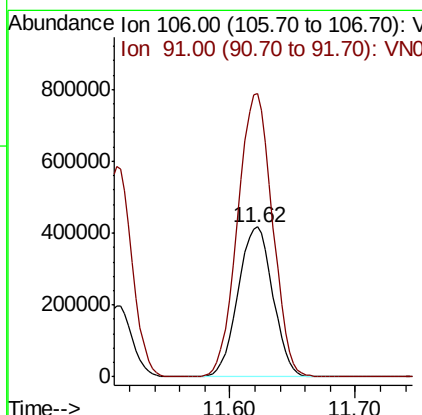
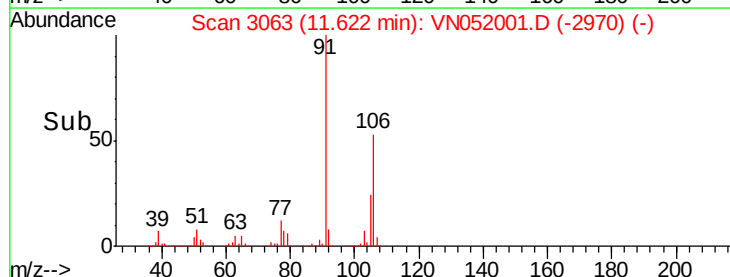
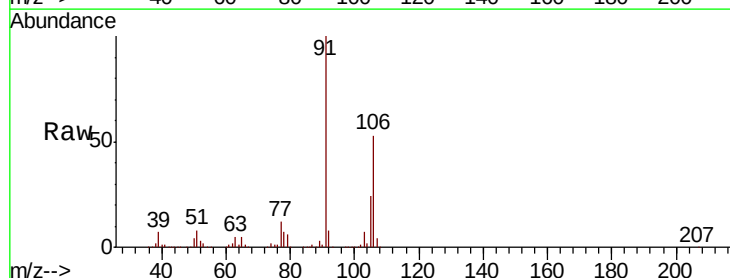
Instrument :
MSVOA_N
ClientSampled :
VN1025WBS01

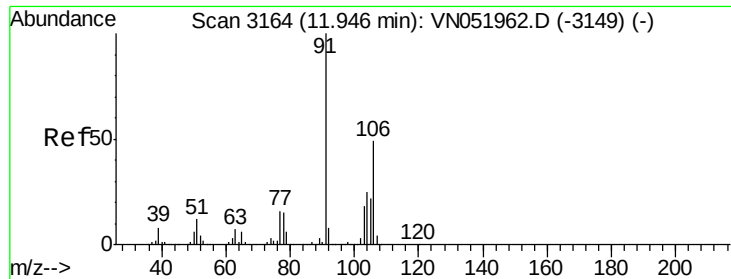
Tot Ion: 91 Resp: 970137
Ion Ratio Lower Upper
91 100
106 33.9 26.4 39.6



#68
m/p-Xylenes
Concen: 39.339 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion: 106 Resp: 804679
Ion Ratio Lower Upper
106 100
91 188.5 152.2 228.2

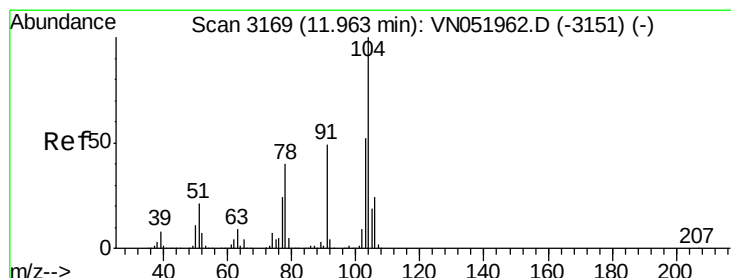
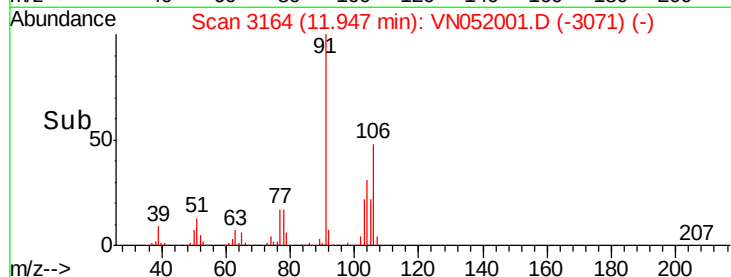
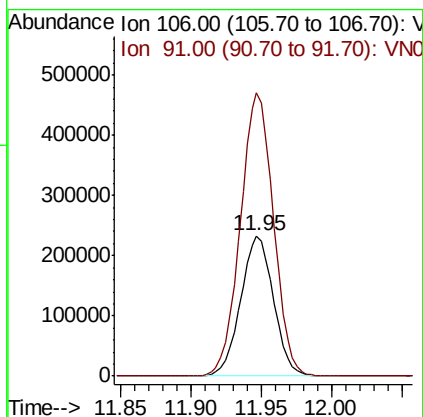
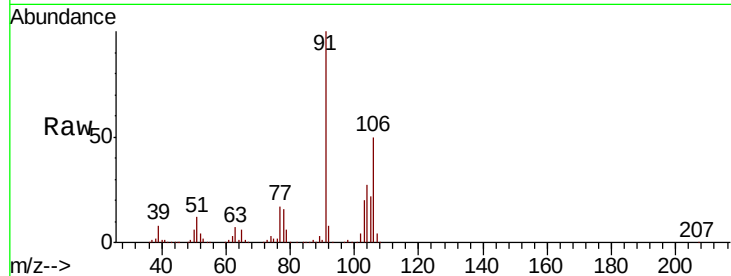




#69
o-Xylene
Concen: 19.038 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

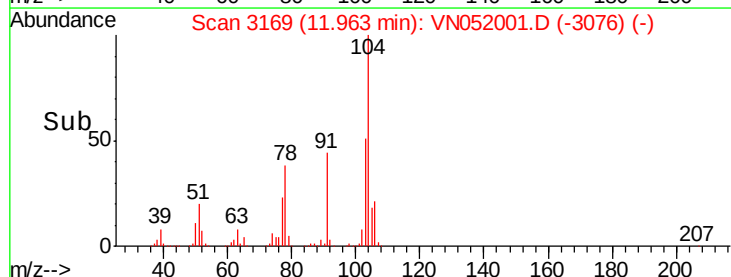
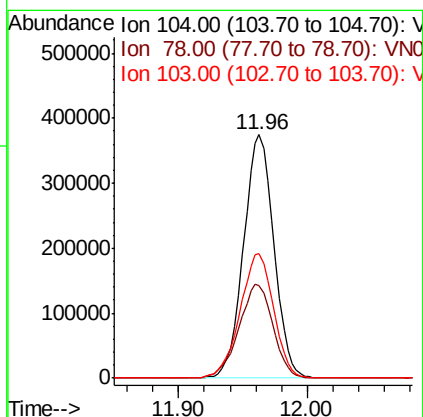
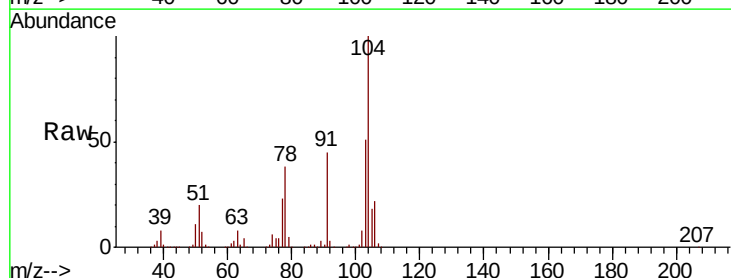
Instrument :
MSVOA_N
ClientSampled :
VN1025WBS01

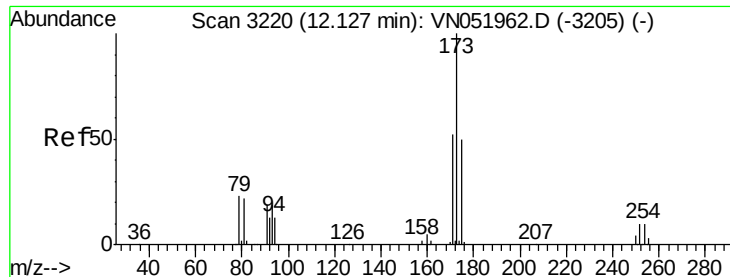
Tot Ion:106 Resp: 378731
Ion Ratio Lower Upper
106 100
91 204.2 101.0 303.0



#70
Styrene
Concen: 19.305 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion:104 Resp: 613829
Ion Ratio Lower Upper
104 100
78 43.3 35.8 53.6
103 56.4 44.9 67.3

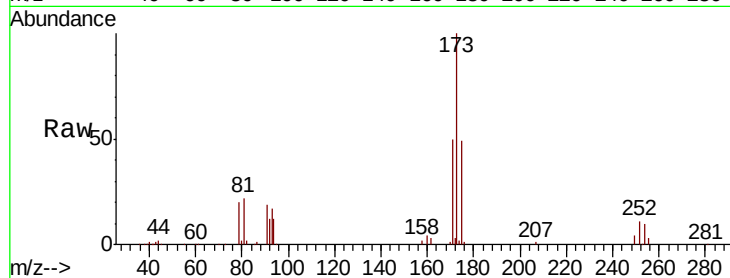




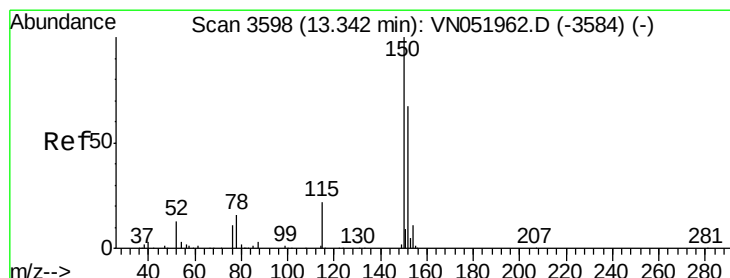
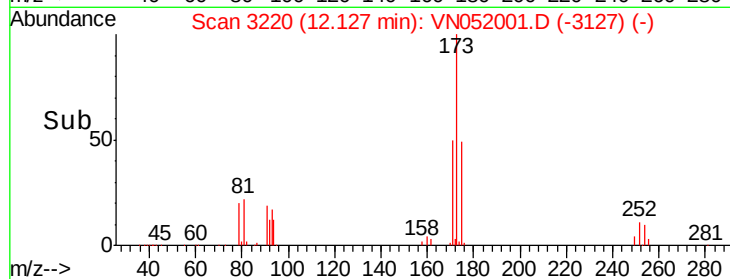
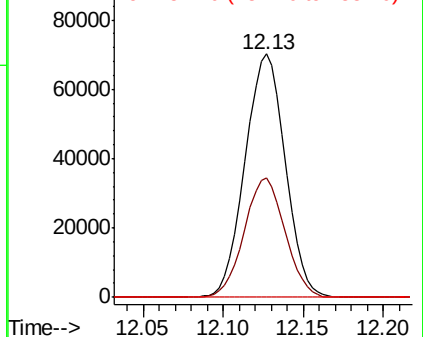
#71
Bromoform
Concen: 16.843 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion:173 Resp: 120512
Ion Ratio Lower Upper
173 100
175 49.6 24.6 74.0
254 0.0 0.1 0.1#

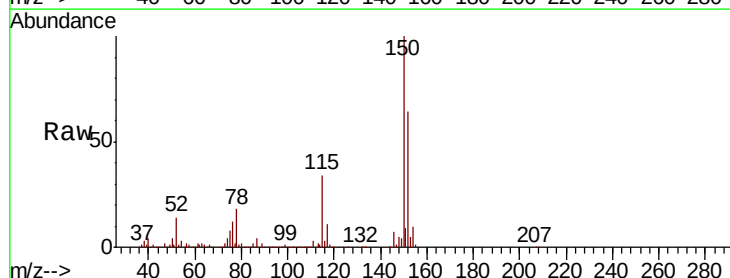


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

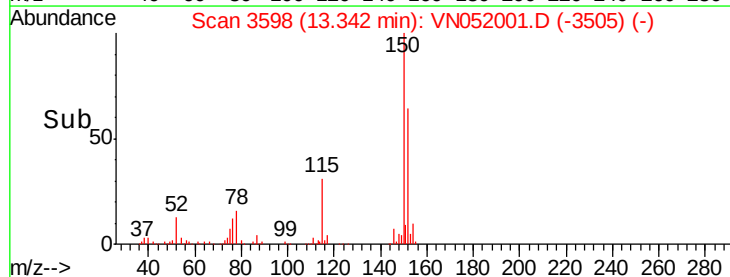
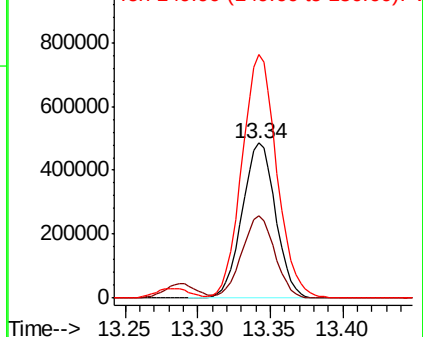


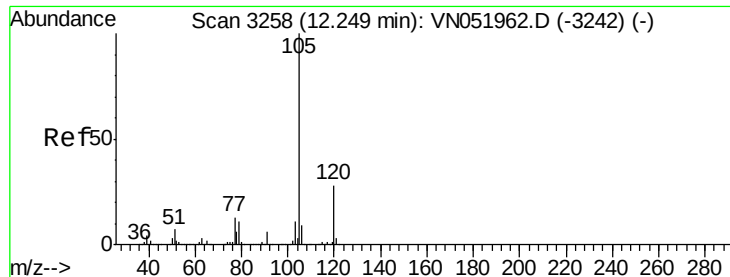
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion:152 Resp: 779218
Ion Ratio Lower Upper
152 100
115 52.4 25.8 77.3
150 163.4 0.0 344.4



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





#73

Isopropylbenzene

Concen: 20.919 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

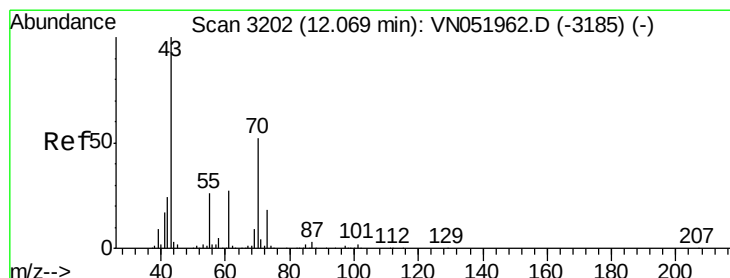
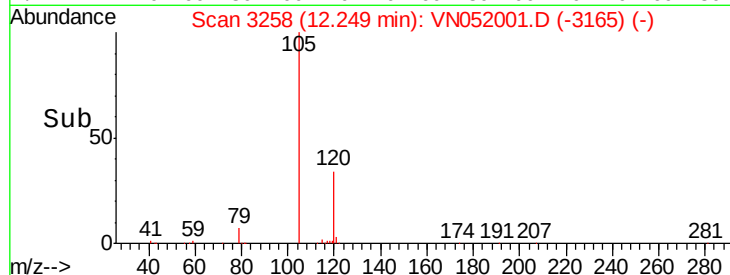
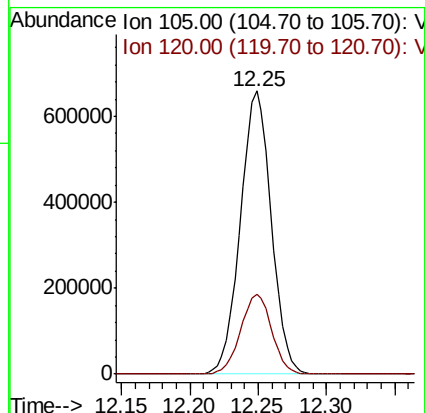
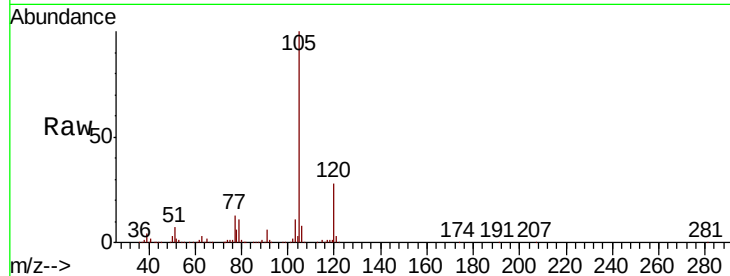
VN1025WBS01

Tot Ion:105 Resp: 1033791

Ion Ratio Lower Upper

105 100

120 28.4 14.0 41.9



#74

N-ethyl acetate

Concen: 18.603 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Tgt Ion: 43 Resp: 180951

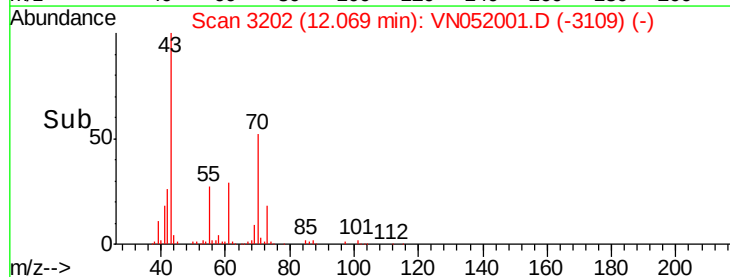
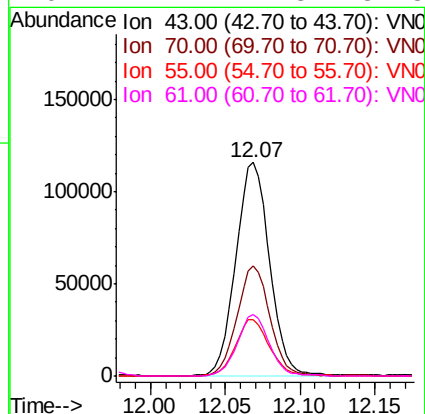
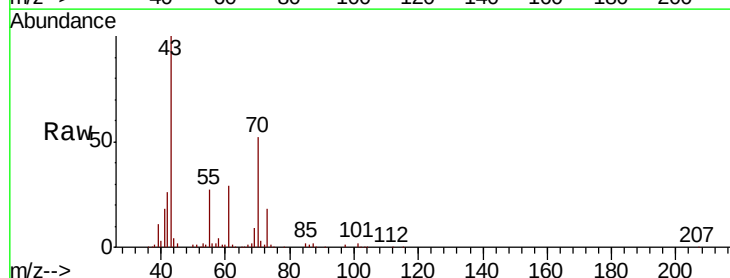
Ion Ratio Lower Upper

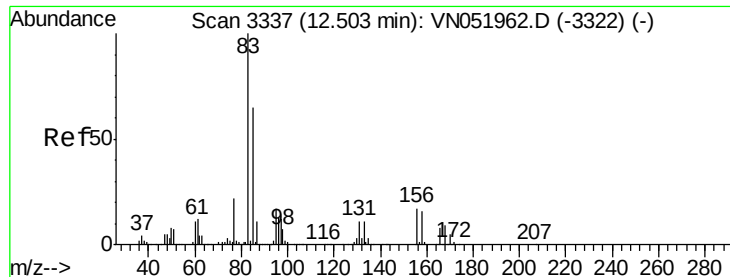
43 100

70 50.7 41.3 61.9

55 26.7 21.2 31.8

61 27.4 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.775 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

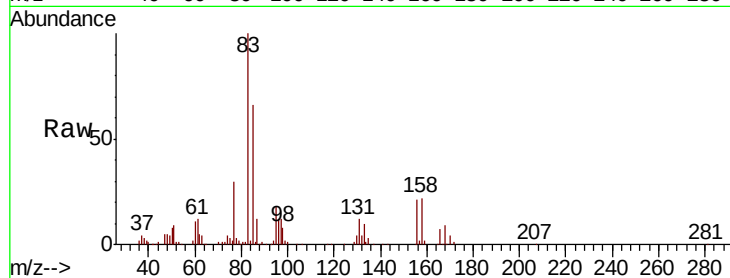
Tot Ion: 83 Resp: 191714

Ion Ratio Lower Upper

83 100

131 13.3 6.2 18.6

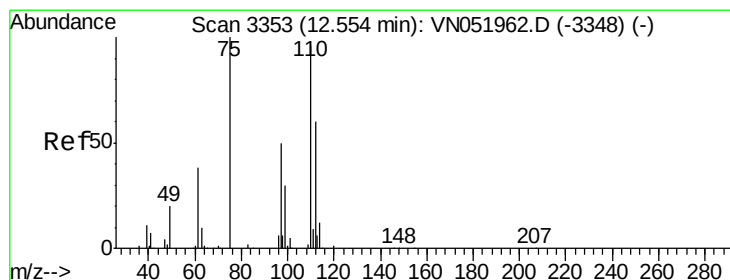
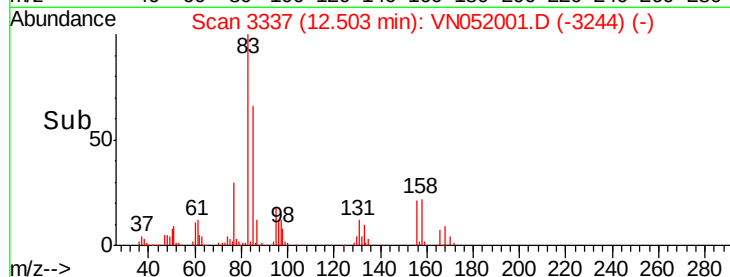
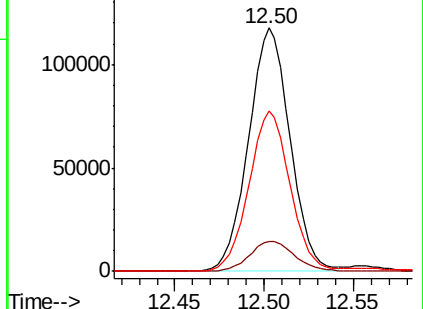
85 65.1 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051962.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 28.513 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052001.D

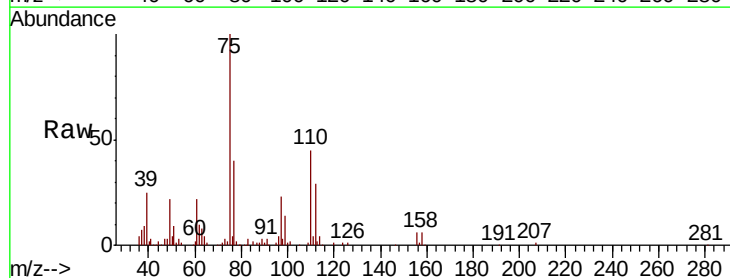
Acq: 25 Oct 2018 10:27

Tgt Ion: 75 Resp: 229497

Ion Ratio Lower Upper

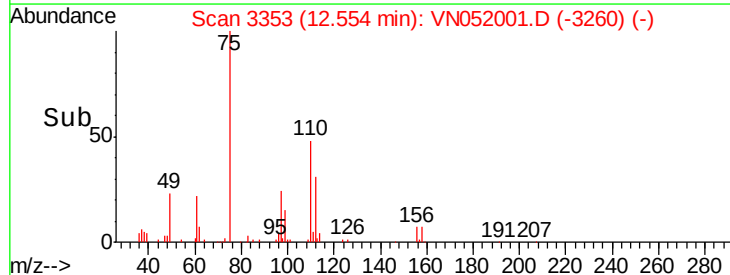
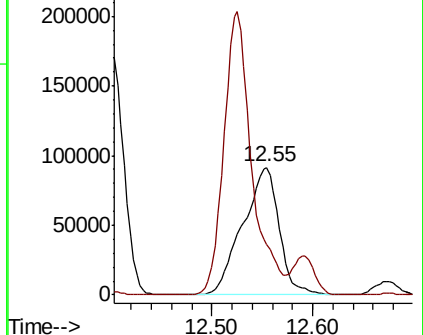
75 100

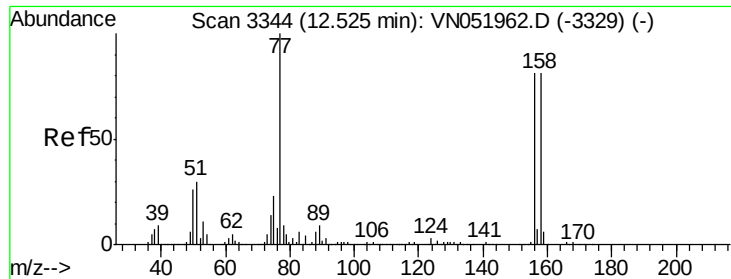
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051962.D (-3348) (-)





#77

Bromobenzene

Concen: 20.724 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

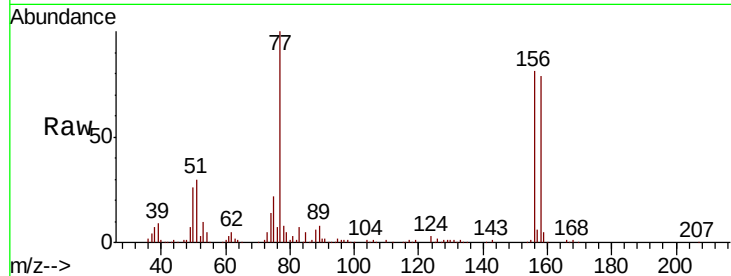
Tot Ion:156 Resp: 282648

Ion Ratio Lower Upper

156 100

77 139.2 71.1 213.3

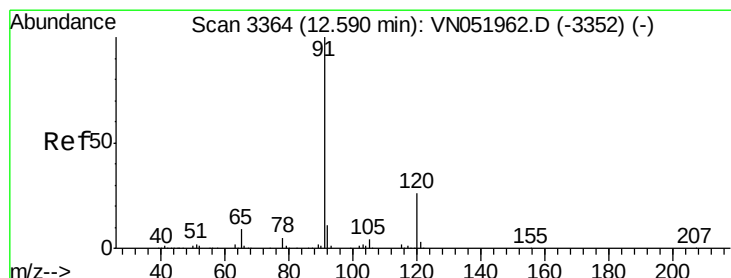
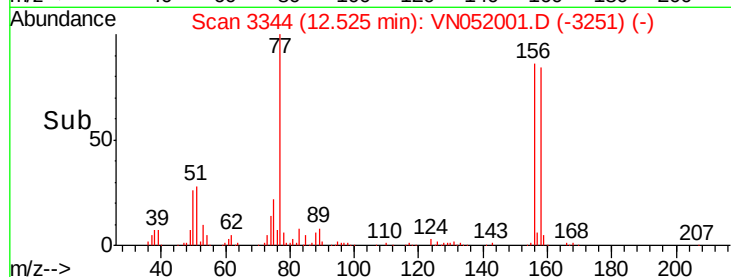
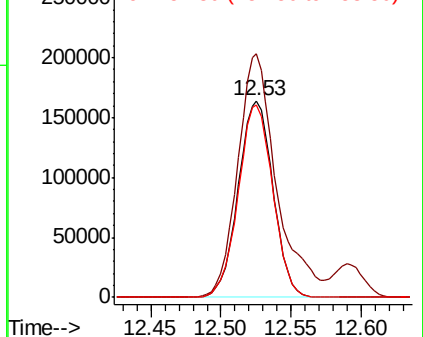
158 97.4 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.046 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052001.D

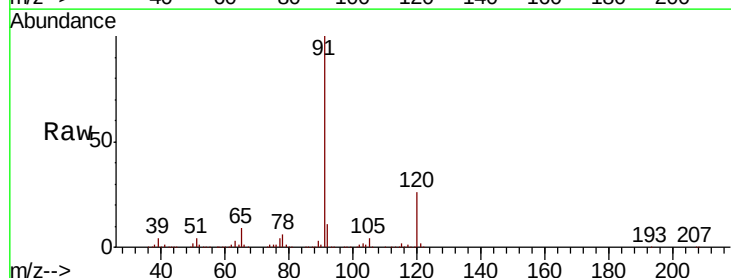
Acq: 25 Oct 2018 10:27

Tgt Ion: 91 Resp: 1121934

Ion Ratio Lower Upper

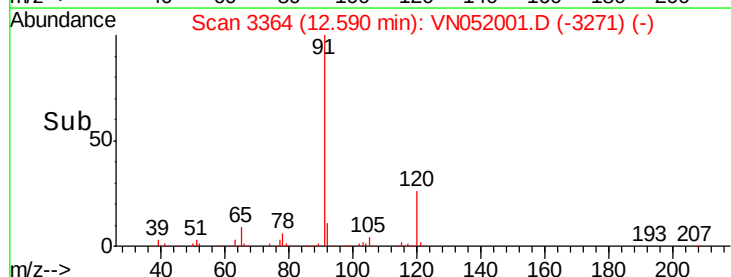
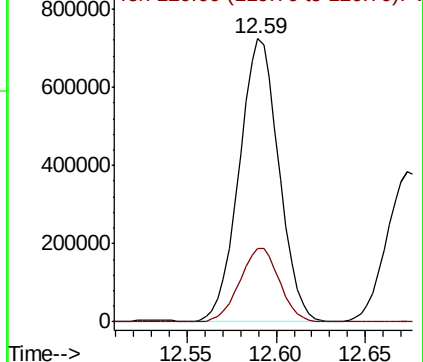
91 100

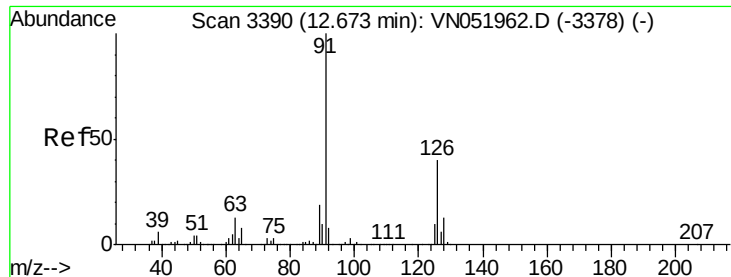
120 26.2 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.573 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

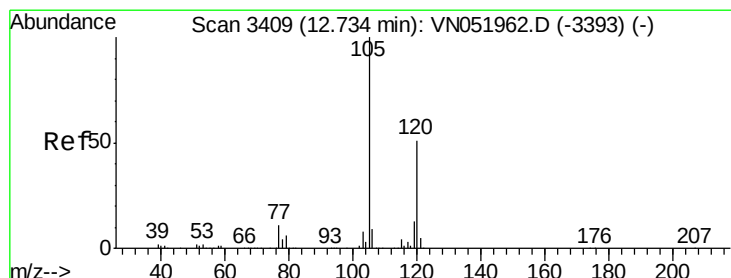
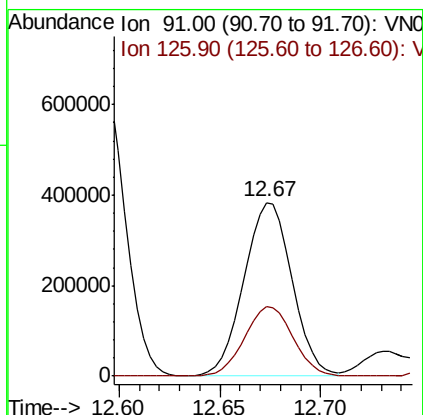
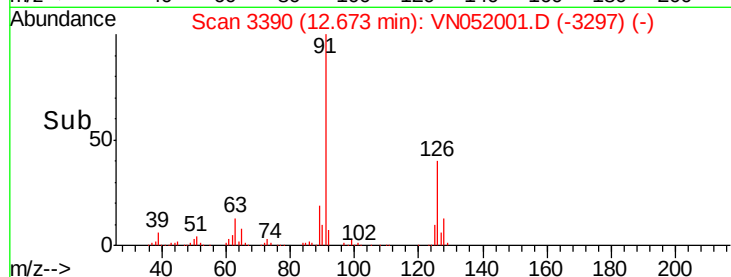
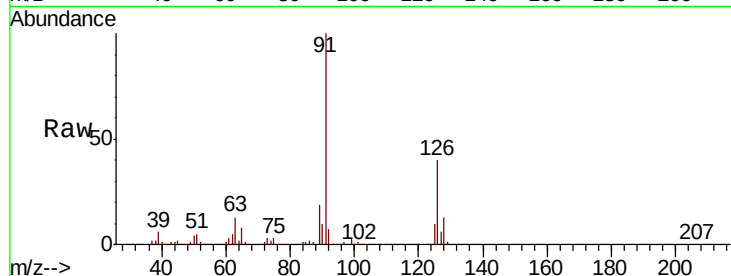
VN1025WBS01

Tot Ion: 91 Resp: 638672

Ion Ratio Lower Upper

91 100

126 40.3 20.1 60.3



#80

1,3,5-Trimethylbenzene

Concen: 21.181 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052001.D

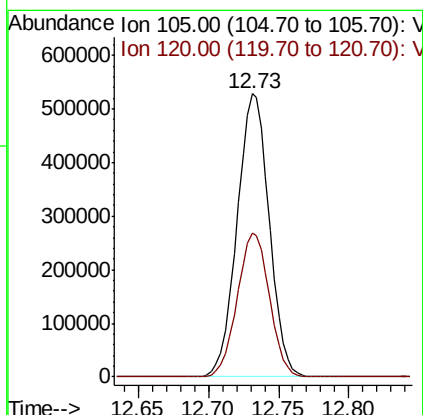
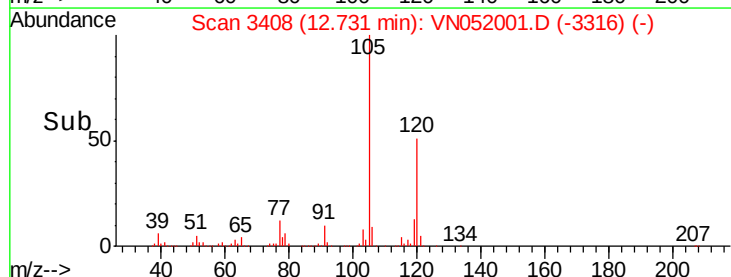
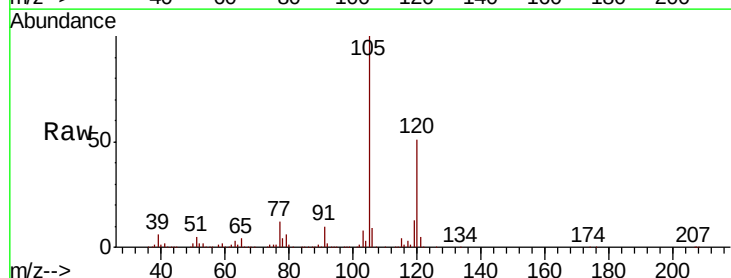
Acq: 25 Oct 2018 10:27

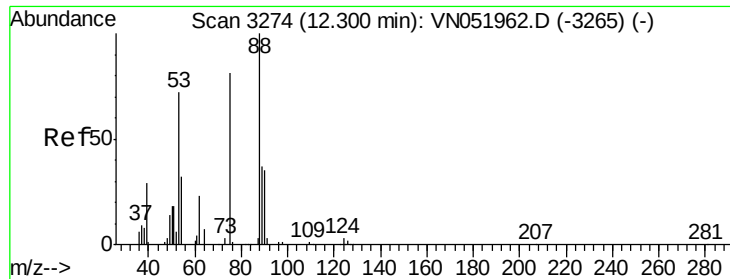
Tgt Ion: 105 Resp: 839786

Ion Ratio Lower Upper

105 100

120 51.2 25.7 77.1

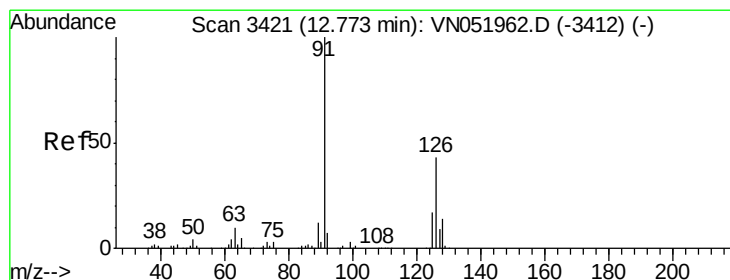
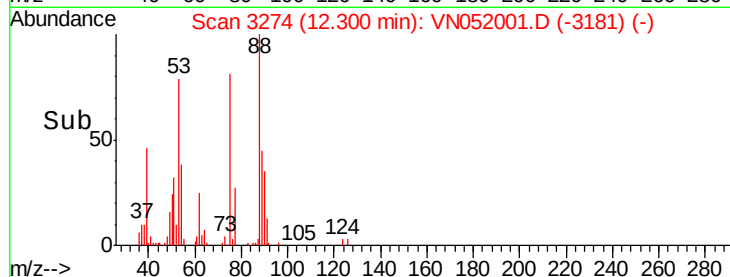
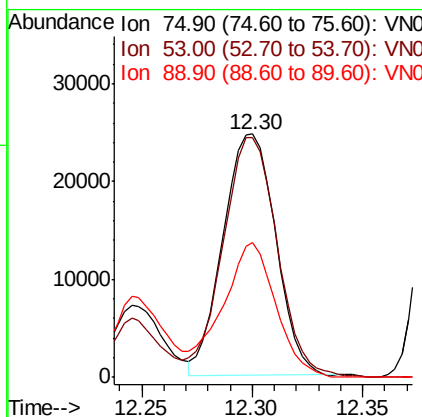
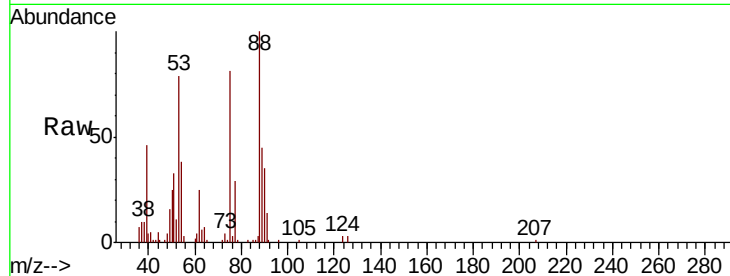




#81
trans-1,4-Dichloro-2-butene
Concen: 17.651 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

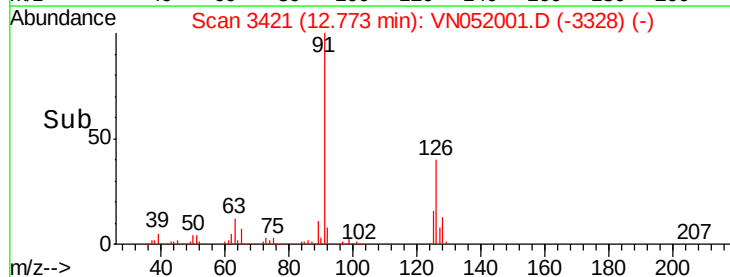
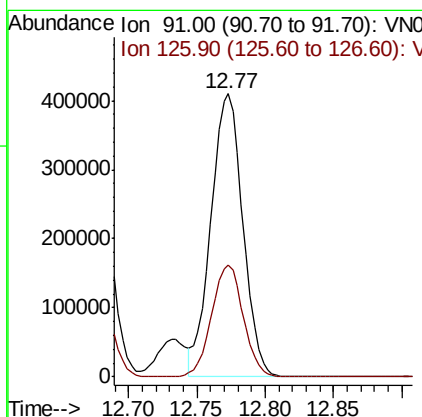
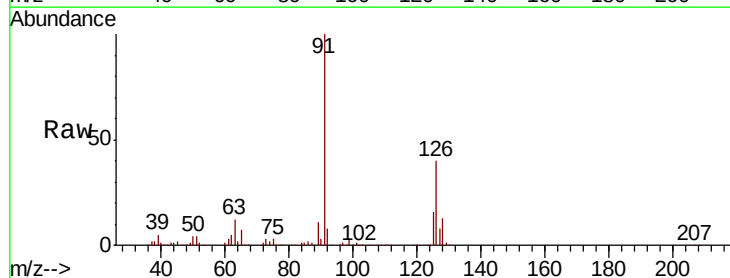
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

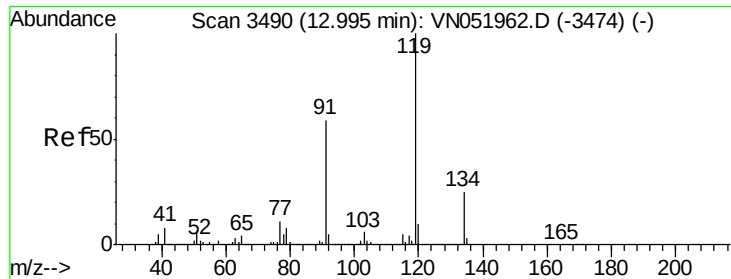
Tot Ion: 75 Resp: 41052
Ion Ratio Lower Upper
75 100
53 102.9 73.5 110.3
89 56.6 41.6 62.4



#82
4-Chlorotoluene
Concen: 20.689 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion: 91 Resp: 664998
Ion Ratio Lower Upper
91 100
126 39.2 19.7 59.0

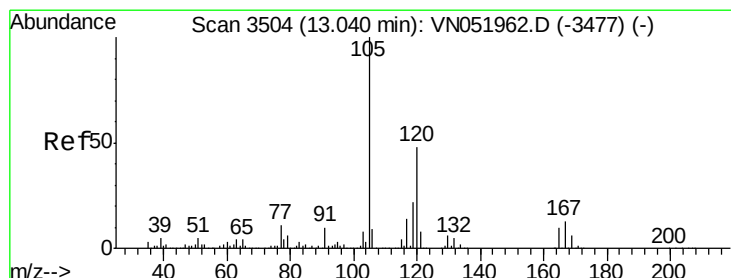
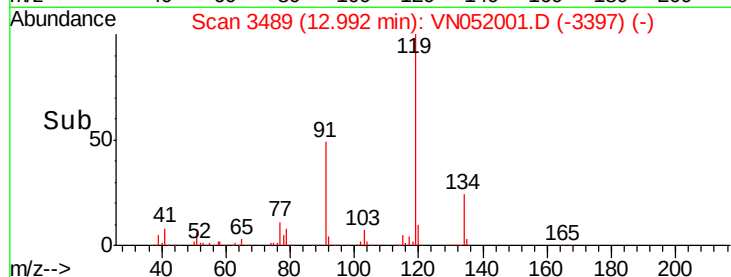
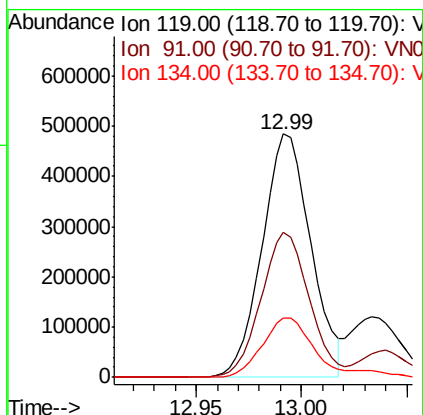
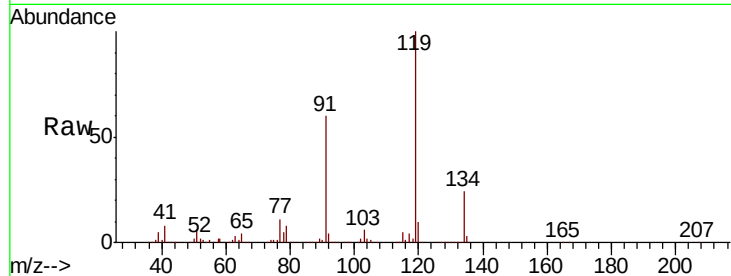




#83
 tert-Butylbenzene
 Concen: 20.796 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

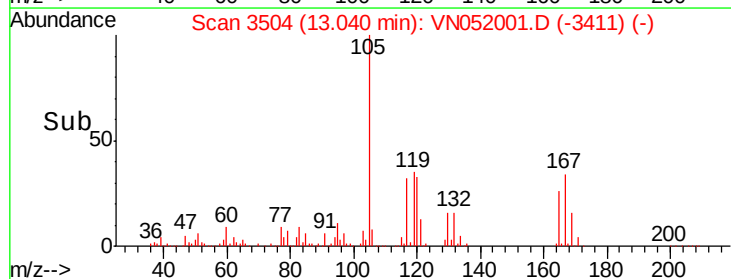
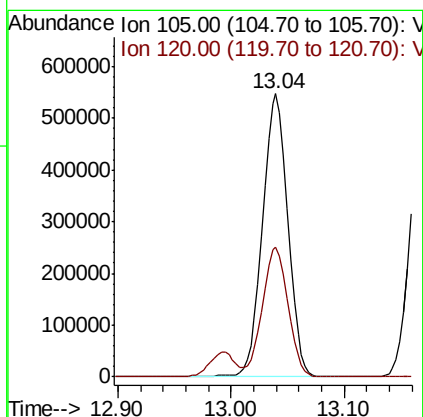
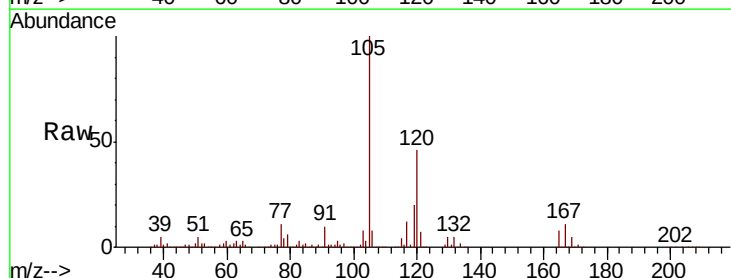
Instrument :
 MSVOA_N
 ClientSampled :
 VN1025WBS01

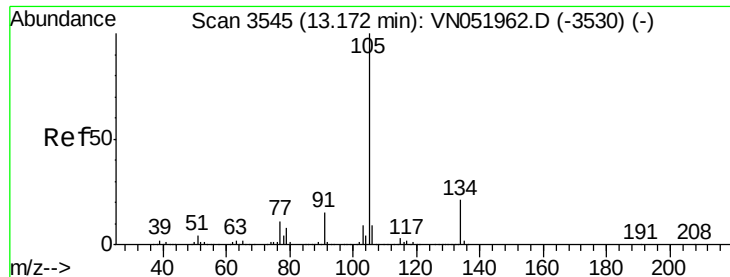
Tot Ion:119 Resp: 779822
 Ion Ratio Lower Upper
 119 100
 91 58.8 28.8 86.4
 134 25.3 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.805 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion:105 Resp: 850876
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.8 71.5





#85

sec-Butylbenzene

Concen: 20.903 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

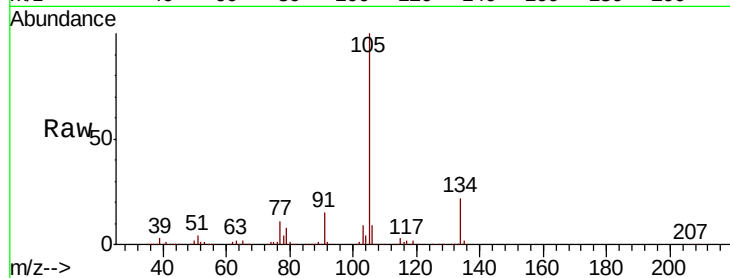
VN1025WBS01

Tot Ion:105 Resp: 1023756

Ion Ratio Lower Upper

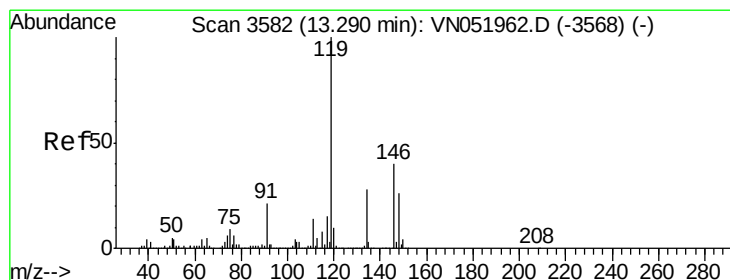
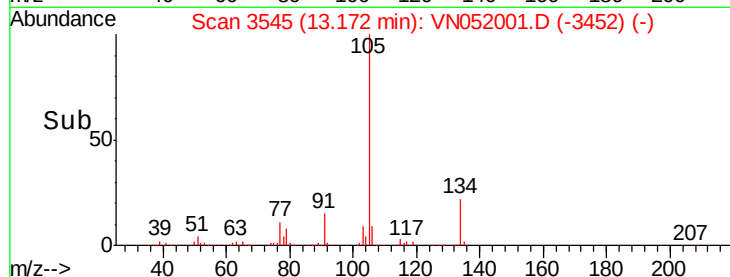
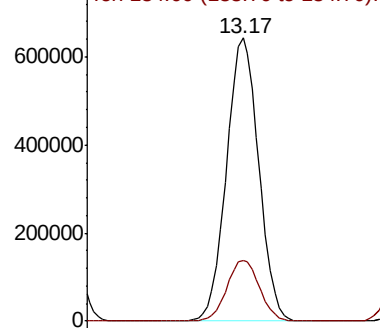
105 100

134 21.8 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.561 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

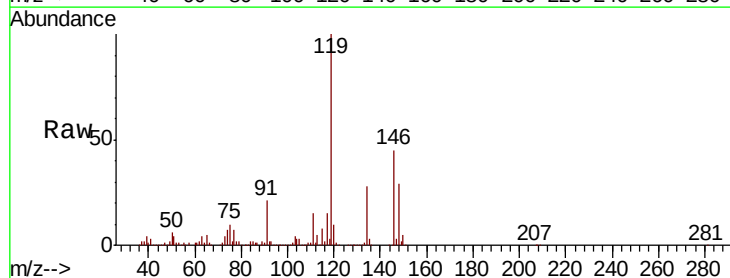
Tgt Ion:119 Resp: 906610

Ion Ratio Lower Upper

119 100

134 28.2 13.9 41.7

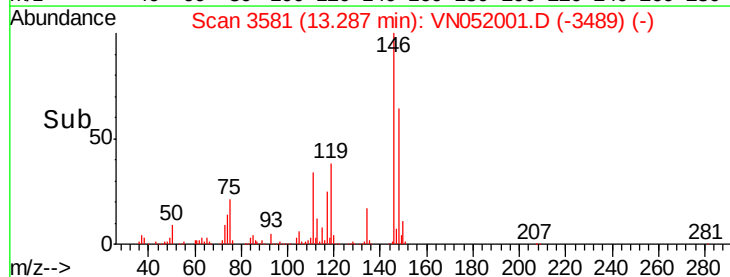
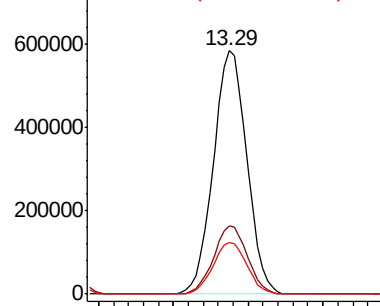
91 21.6 10.6 31.8

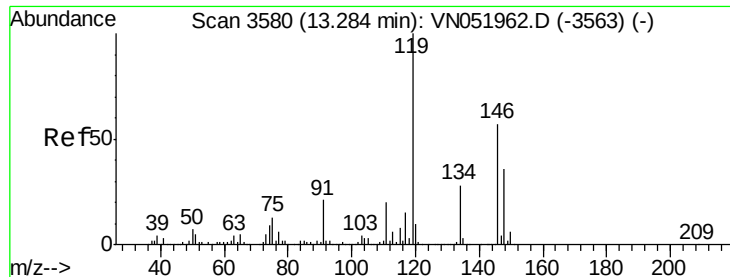


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

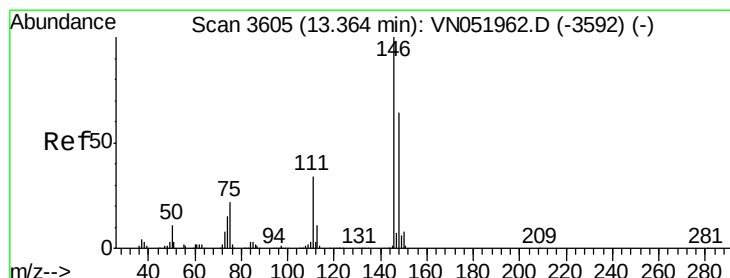
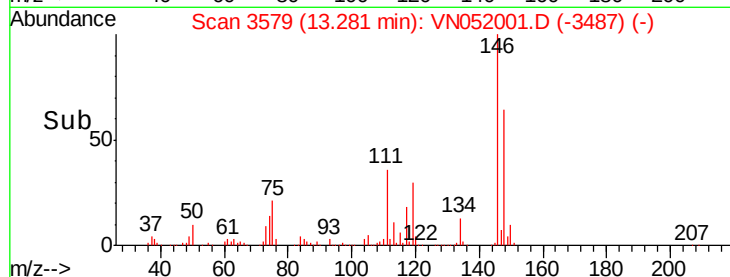
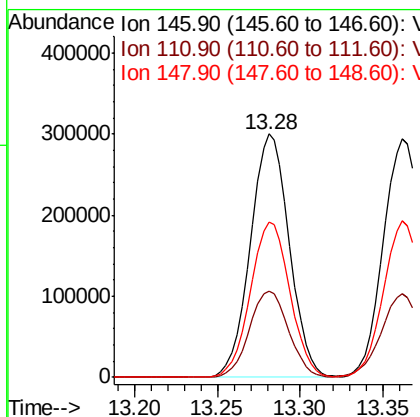
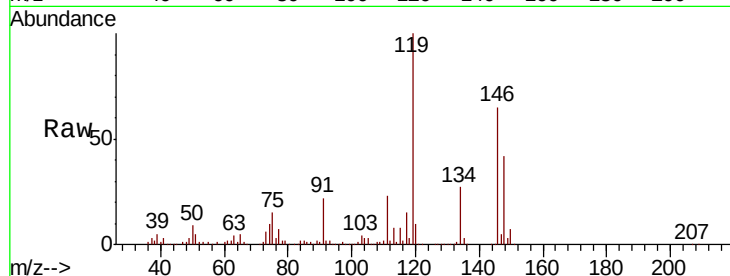




#87
 1,3-Dichlorobenzene
 Concen: 19.501 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

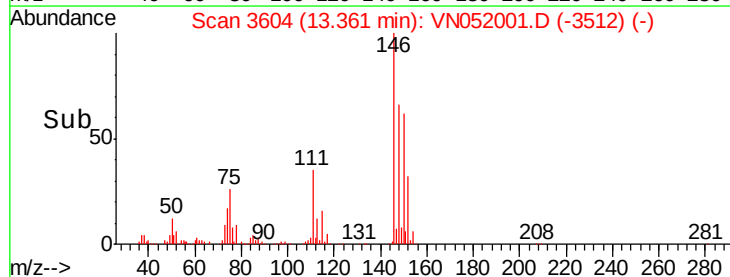
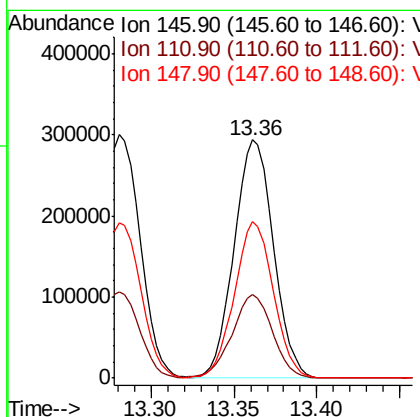
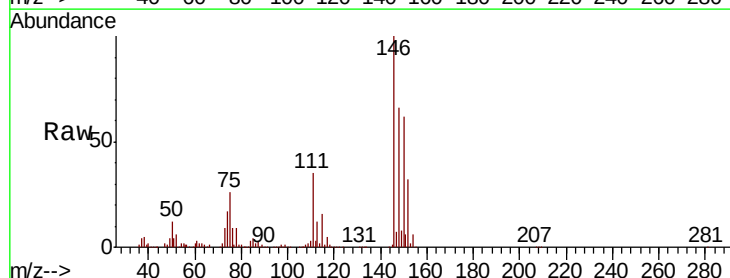
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

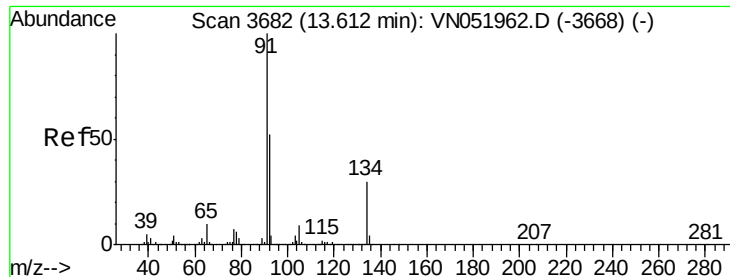
Tot Ion:146 Resp: 490523
 Ion Ratio Lower Upper
 146 100
 111 35.7 17.6 52.8
 148 64.7 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.504 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion:146 Resp: 483670
 Ion Ratio Lower Upper
 146 100
 111 35.9 17.3 51.7
 148 65.0 32.1 96.3





#89

n-Butylbenzene

Concen: 19.787 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

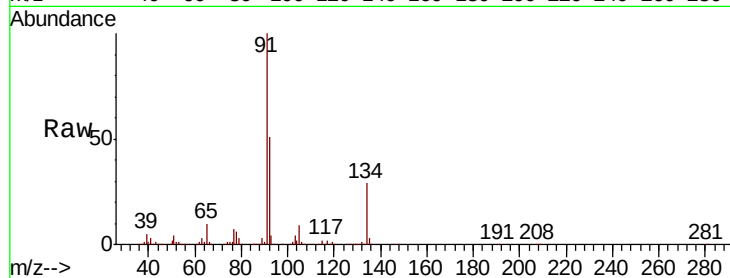
Tot Ion: 91 Resp: 694752

Ion Ratio Lower Upper

91 100

92 51.1 25.9 77.8

134 29.6 15.2 45.6

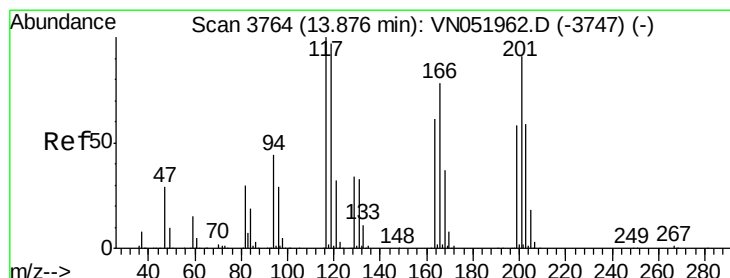
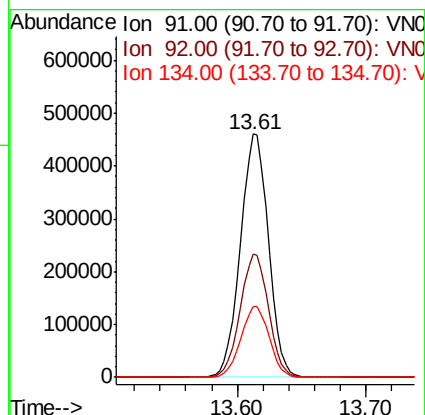
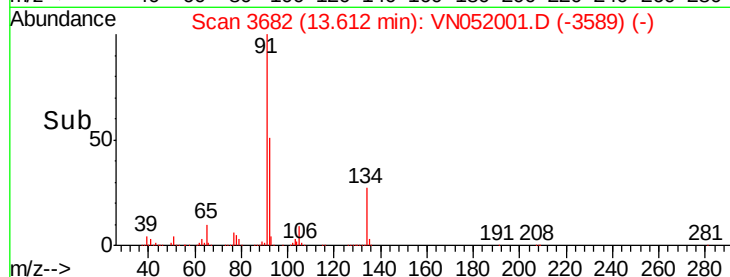


Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051962.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051962.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 19.379 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN052001.D

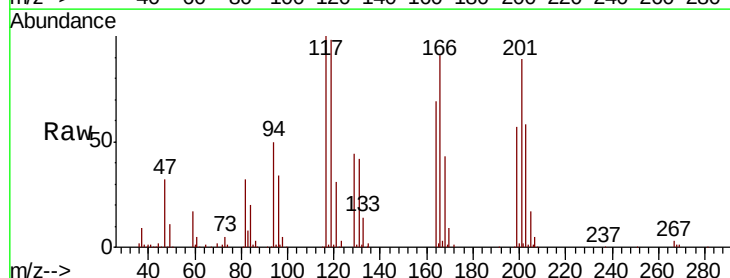
Acq: 25 Oct 2018 10:27

Tgt Ion: 117 Resp: 127300

Ion Ratio Lower Upper

117 100

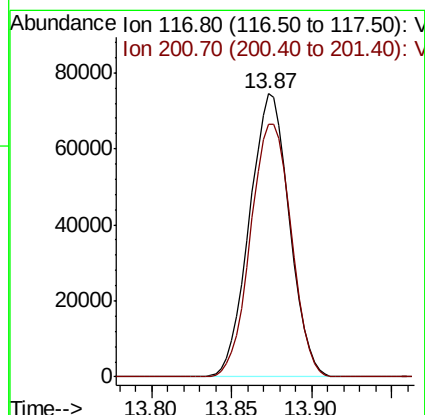
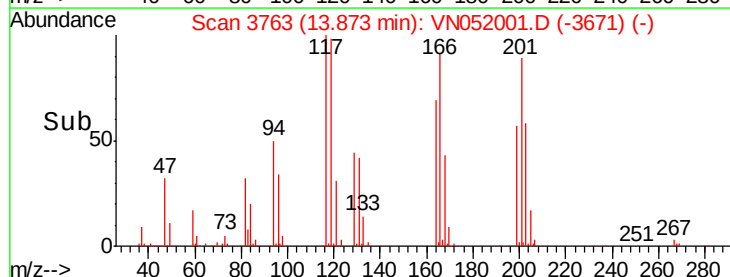
201 90.9 45.6 136.9

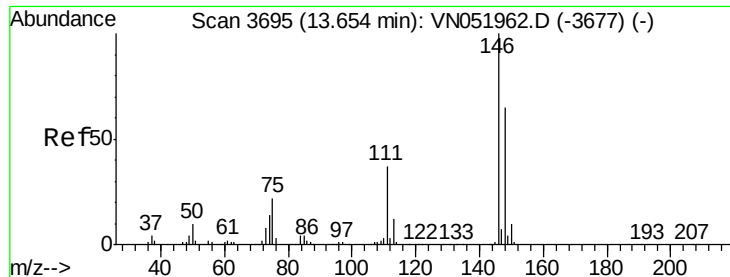


Abundance Ion 116.80 (116.50 to 117.50): VN051962.D (-3747) (-)

Ion 200.70 (200.40 to 201.40): VN051962.D (-3747) (-)

Time-->

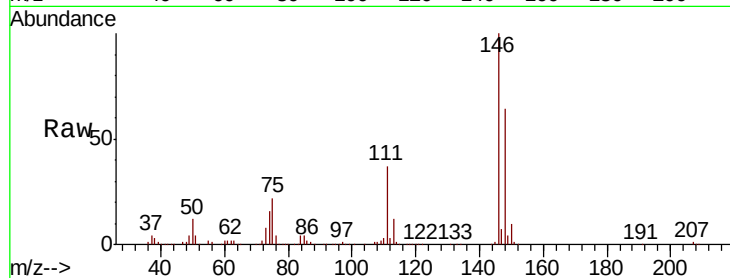




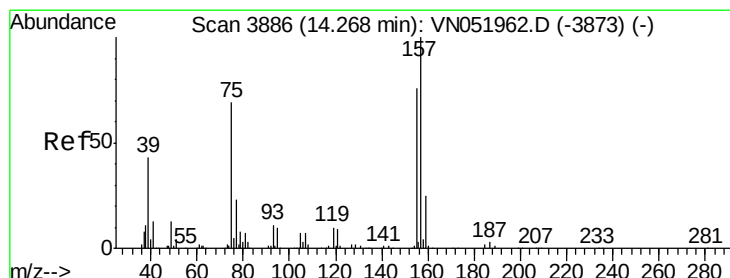
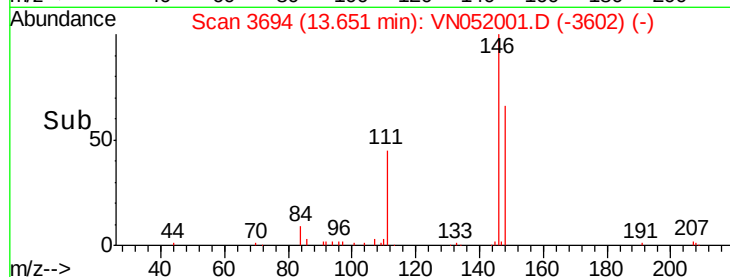
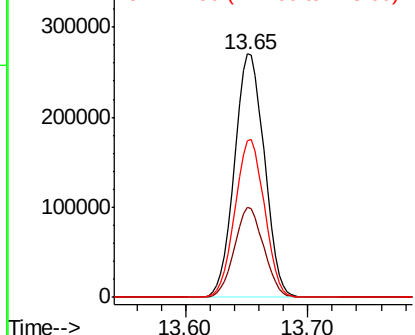
#91
 1,2-Dichlorobenzene
 Concen: 18.816 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion:146 Resp: 457880
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.3 54.9
 148 64.2 32.4 97.0

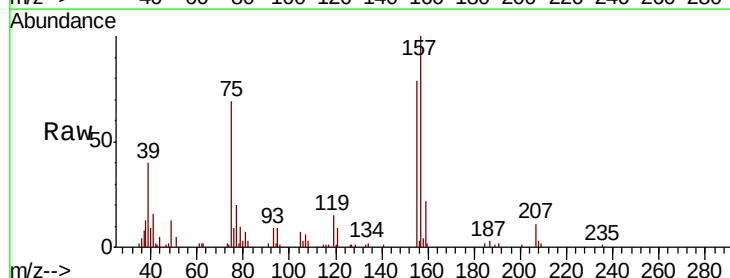


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

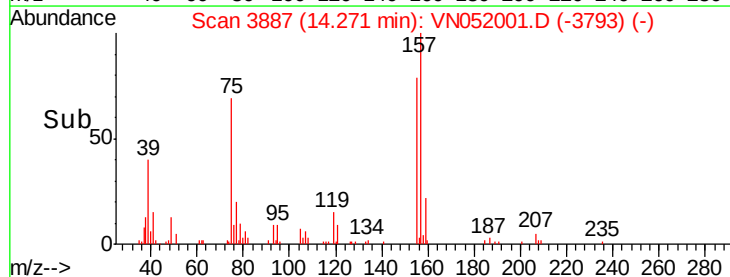
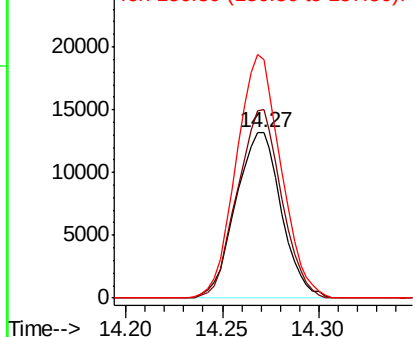


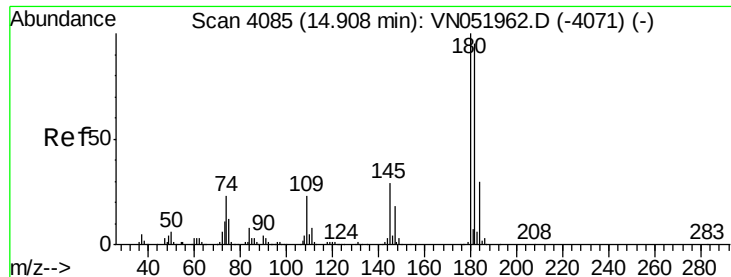
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.808 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion: 75 Resp: 21649
 Ion Ratio Lower Upper
 75 100
 155 110.2 56.0 167.9
 157 143.8 73.9 221.6



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

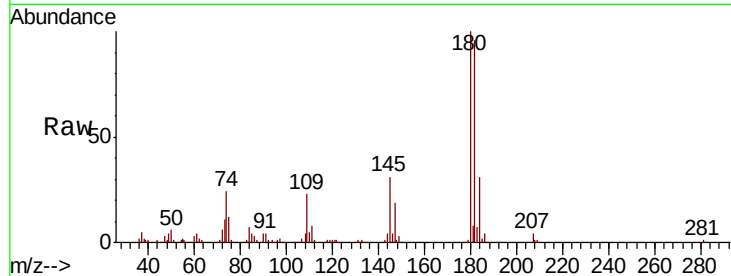




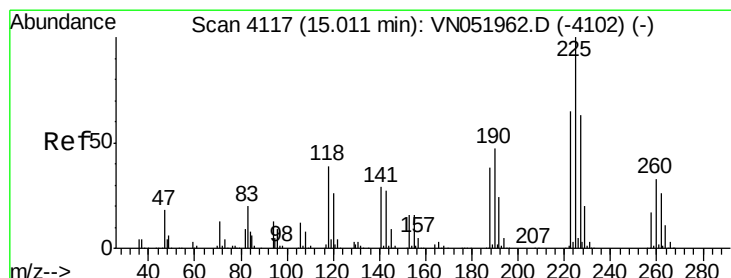
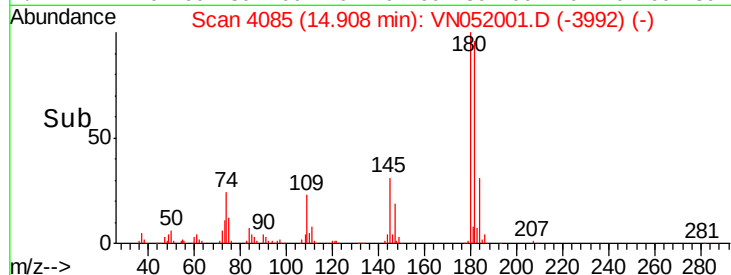
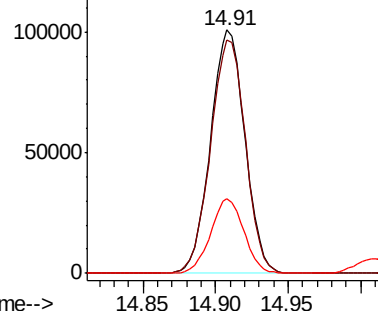
#93
 1,2,4-Trichlorobenzene
 Concen: 11.543 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion:180 Resp: 165930
 Ion Ratio Lower Upper
 180 100
 182 97.3 47.8 143.4
 145 29.7 14.5 43.5

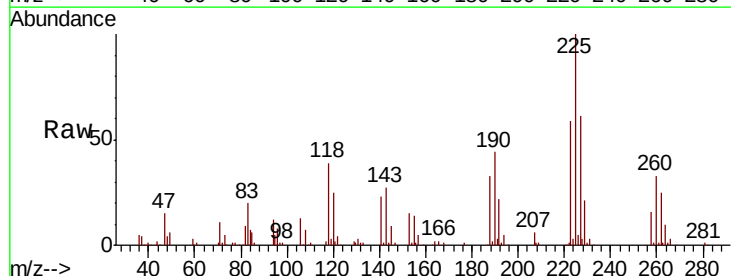


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

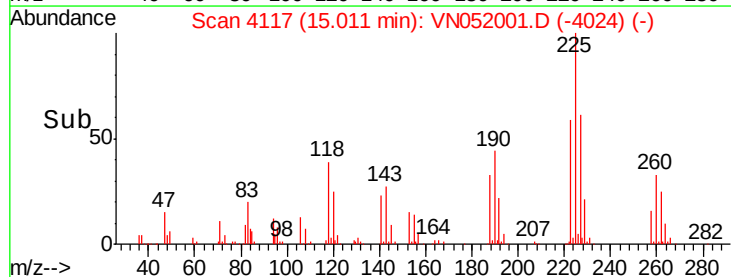
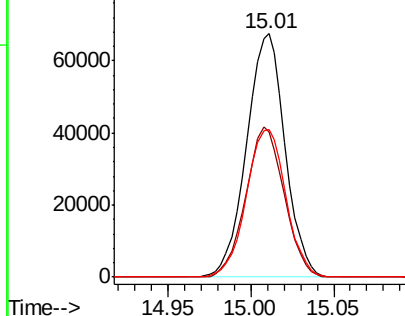


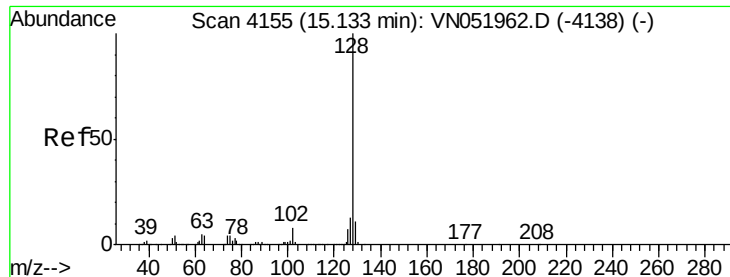
#94
 Hexachlorobutadiene
 Concen: 14.783 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion:225 Resp: 109184
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.8 95.4
 227 62.3 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

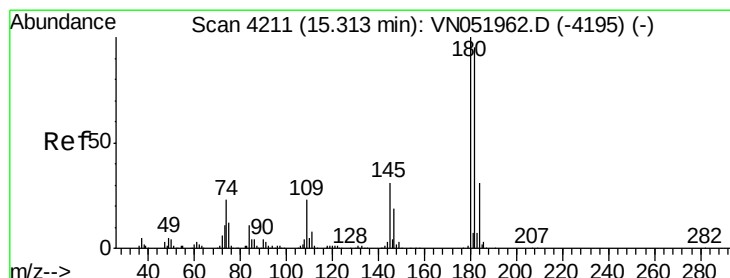
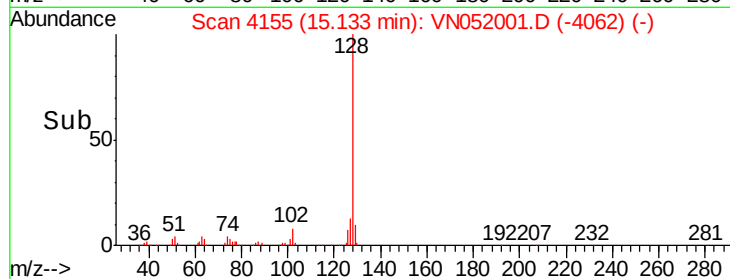
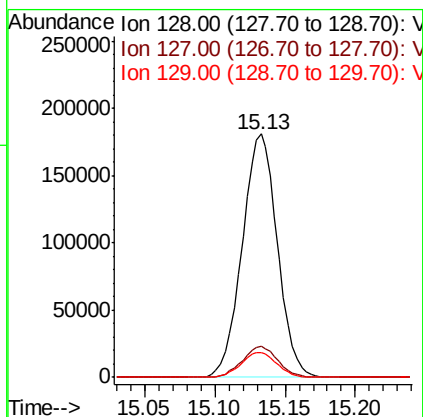
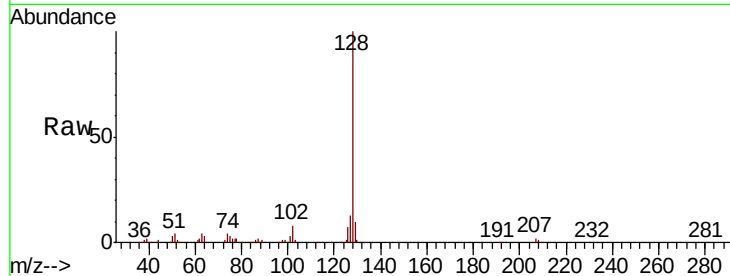




#95
Naphthalene
Concen: 10.097 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion:128 Resp: 315209
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 9.664 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion:180 Resp: 132779
Ion Ratio Lower Upper
180 100
182 97.9 47.9 143.6
145 31.5 15.4 46.2

