

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052861.D
 Acq On : 13 Dec 2018 13:47
 Operator : MD\SY
 Sample : VN1213MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBSD01

Quant Time: Dec 14 01:38:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1070999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1642591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1465450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	680843	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	552960	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
35) Dibromofluoromethane	7.59	113	461812	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
50) Toluene-d8	10.09	98	2005935	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.40	95	682910	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	202972	18.410	ug/l	99
3) Chloromethane	2.06	50	240851	18.202	ug/l	100
4) Vinyl Chloride	2.19	62	249209	18.825	ug/l	98
5) Bromomethane	2.58	94	149583	18.320	ug/l	99
6) Chloroethane	2.71	64	141347	18.064	ug/l	100
7) Trichlorofluoromethane	3.03	101	314171	19.142	ug/l	98
8) Diethyl Ether	3.41	74	122502	20.462	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	194503	19.122	ug/l	98
10) Methyl Iodide	3.96	142	271988	19.094	ug/l	99
11) Tert butyl alcohol	4.78	59	57032	89.631	ug/l	97
12) 1,1-Dichloroethene	3.74	96	192053	19.504	ug/l	98
13) Acrolein	3.61	56	62869	104.943	ug/l	98
14) Allyl chloride	4.33	41	316381	19.672	ug/l	94
15) Acrylonitrile	4.99	53	343600	96.255	ug/l	99
16) Acetone	3.82	43	222857	87.135	ug/l	95
17) Carbon Disulfide	4.06	76	533809	17.647	ug/l	98
18) Methyl Acetate	4.33	43	173652	18.500	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	529774	19.818	ug/l	98
20) Methylene Chloride	4.56	84	216957	18.850	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	204826	19.200	ug/l	98
22) Diisopropyl ether	5.95	45	670828	19.551	ug/l	99
23) Vinyl Acetate	5.90	43	1980460	97.003	ug/l	99
24) 1,1-Dichloroethane	5.85	63	390814	19.752	ug/l	99
25) 2-Butanone	6.83	43	369018	92.987	ug/l	98
26) 2,2-Dichloropropane	6.83	77	260832	17.901	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	238802	19.723	ug/l	99
28) Bromochloromethane	7.20	49	171055	19.252	ug/l	96
29) Tetrahydrofuran	7.21	42	259968	95.956	ug/l	99
30) Chloroform	7.37	83	376531	19.515	ug/l	100
31) Cyclohexane	7.66	56	381670	19.424	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	312961	19.386	ug/l	99
36) 1,1-Dichloropropene	7.80	75	299609	19.807	ug/l	99
37) Ethyl Acetate	6.93	43	177996	19.588	ug/l	99
38) Carbon Tetrachloride	7.78	117	264744	19.015	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	381130	20.533	ug/l	99
40) Benzene	8.04	78	905606	19.948	ug/l	100
41) Methacrylonitrile	7.18	41	96951	19.256	ug/l	97
42) 1,2-Dichloroethane	8.13	62	268421	19.639	ug/l	99
43) Isopropyl Acetate	8.16	43	327989	17.605	ug/l	99
44) Trichloroethene	8.84	130	242751	19.796	ug/l	97
45) 1,2-Dichloropropane	9.12	63	241171	20.282	ug/l	98
46) Dibromomethane	9.21	93	134436	19.494	ug/l	98
47) Bromodichloromethane	9.40	83	280745	19.632	ug/l	98
48) Methyl methacrylate	9.20	41	156739	19.184	ug/l	98
49) 1,4-Dioxane	9.20	88	36321	391.646	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	841256	98.475	ug/l	100
52) Toluene	10.16	92	555132	20.189	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	271758	18.885	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	331101	19.308	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	196214	19.990	ug/l	99
56) Ethyl methacrylate	10.43	69	248996	19.767	ug/l	99
57) 1,3-Dichloropropane	10.71	76	336549	19.995	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	700321	99.639	ug/l	99
59) 2-Hexanone	10.75	43	567380	96.912	ug/l	99
60) Dibromochloromethane	10.90	129	198688	18.730	ug/l	100
61) 1,2-Dibromoethane	11.01	107	190121	19.596	ug/l	99
64) Tetrachloroethene	10.63	164	249891	19.840	ug/l	98
65) Chlorobenzene	11.43	112	607633	19.986	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	205579	19.442	ug/l	99
67) Ethyl Benzene	11.51	91	1047694	20.067	ug/l	100
68) m/p-Xylenes	11.62	106	793225	40.461	ug/l	100
69) o-Xylene	11.95	106	393322	20.546	ug/l	98
70) Styrene	11.96	104	630564	20.490	ug/l	99
71) Bromoform	12.13	173	129798	18.069	ug/l #	98
73) Isopropylbenzene	12.25	105	1032039	20.302	ug/l	100
74) N-amyl acetate	12.07	43	276749	19.830	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	216657	19.017	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	279348	27.809	ug/l #	100
77) Bromobenzene	12.53	156	284407	21.997	ug/l	89
78) n-propylbenzene	12.59	91	1172799	20.229	ug/l	100
79) 2-Chlorotoluene	12.68	91	688836	20.098	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	828812	20.197	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53631	17.152	ug/l	95
82) 4-Chlorotoluene	12.77	91	692095	19.750	ug/l	99
83) tert-Butylbenzene	12.99	119	731229	20.200	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	831797	20.022	ug/l	100
85) sec-Butylbenzene	13.17	105	978848	19.967	ug/l	99
86) p-Isopropyltoluene	13.29	119	852436	20.070	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	451923	19.669	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	448096	19.693	ug/l	98
89) n-Butylbenzene	13.62	91	704738	19.710	ug/l	99
90) Hexachloroethane	13.88	117	125835	17.693	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	437915	19.813	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32843	19.124	ug/l	97

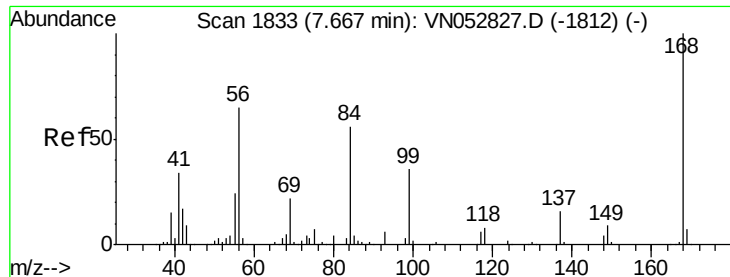
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121318\
Data File : VN052861.D
Acq On : 13 Dec 2018 13:47
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	240057	19.981	ug/l	99
94) Hexachlorobutadiene	15.01	225	134095	19.283	ug/l	99
95) Naphthalene	15.13	128	515445	20.715	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	222890	20.219	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: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

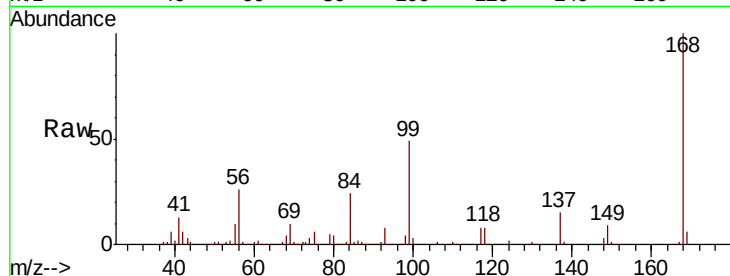
VN1213MBSD01

Tot Ion:168 Resp: 1070999

Ion Ratio Lower Upper

168 100

99 49.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

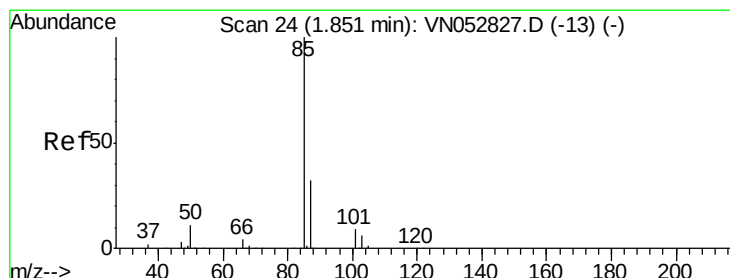
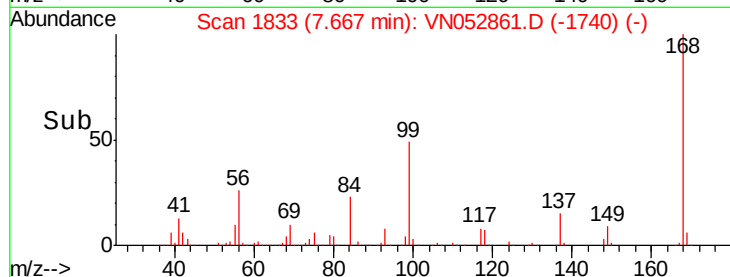
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.410 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052861.D

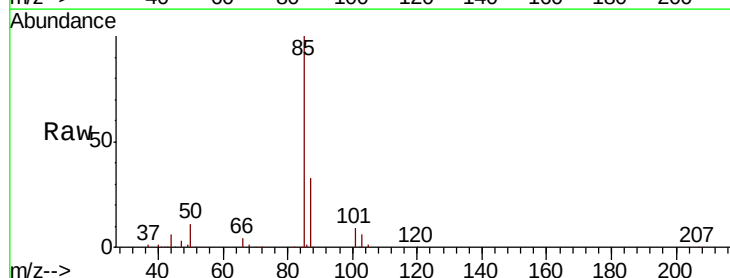
Acq: 13 Dec 2018 13:47

Tgt Ion: 85 Resp: 202972

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

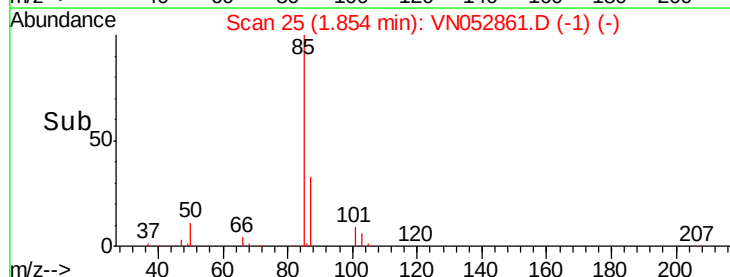
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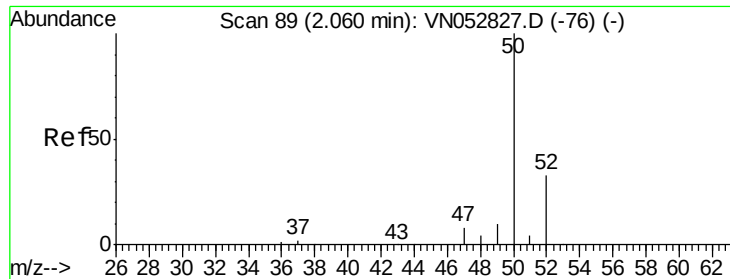
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.202 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

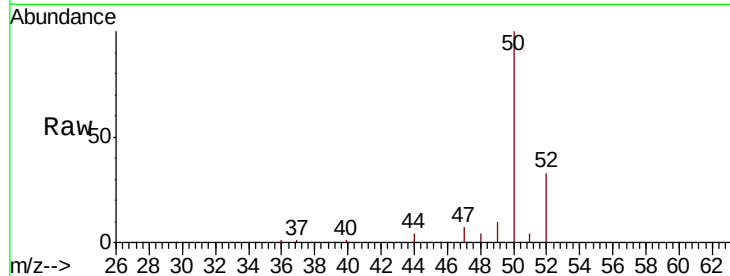
VN1213MBS01

Tot Ion: 50 Resp: 240851

Ion Ratio Lower Upper

50 100

52 32.9 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

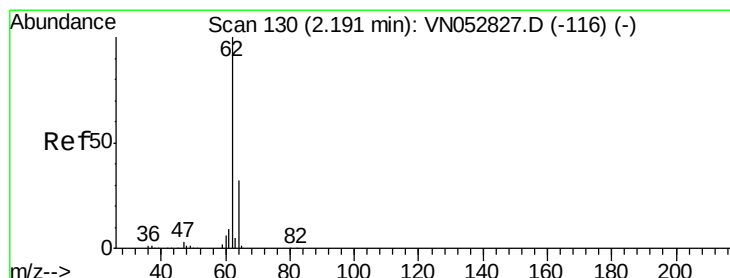
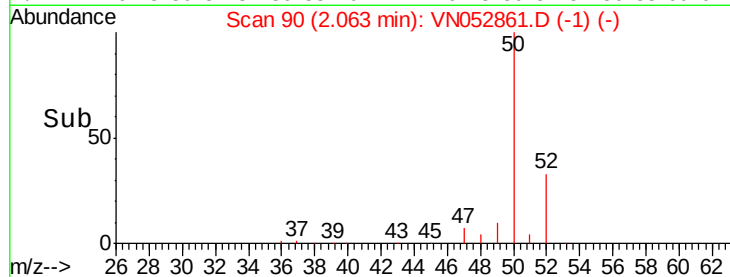
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.825 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052861.D

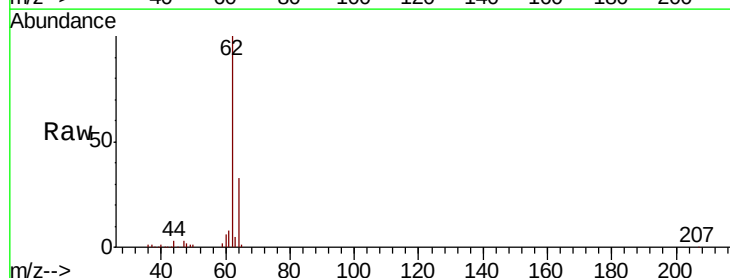
Acq: 13 Dec 2018 13:47

Tgt Ion: 62 Resp: 249209

Ion Ratio Lower Upper

62 100

64 33.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

200000

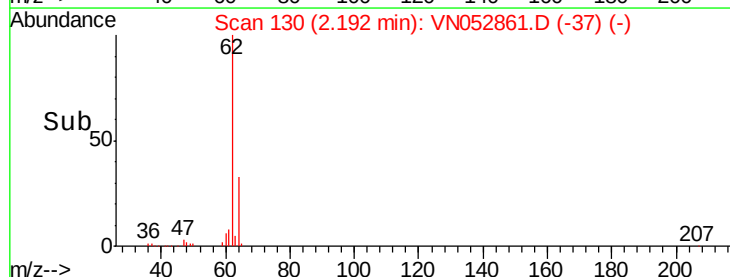
150000

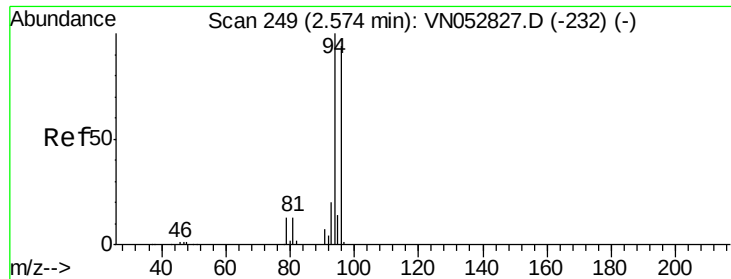
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.320 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

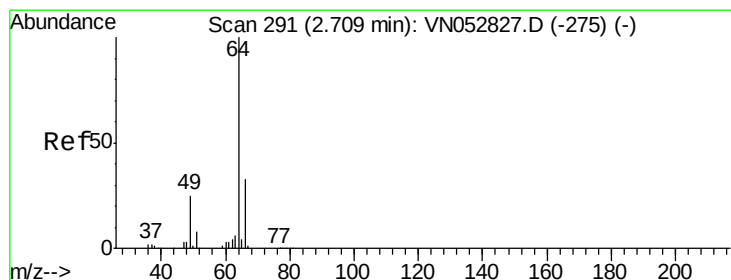
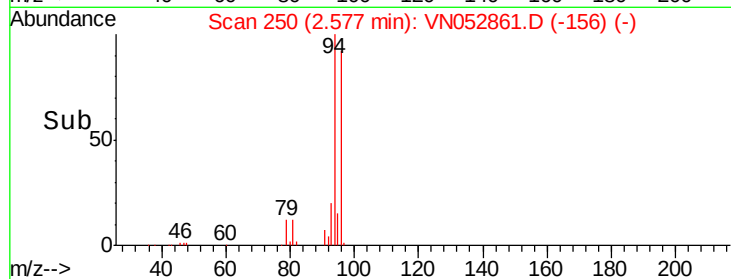
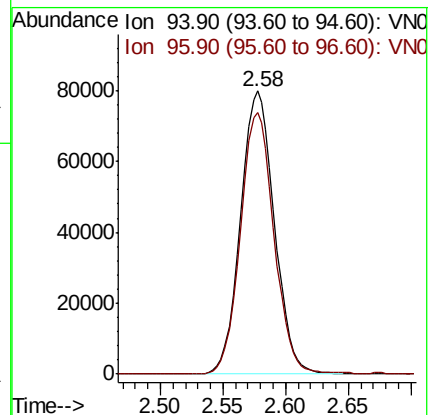
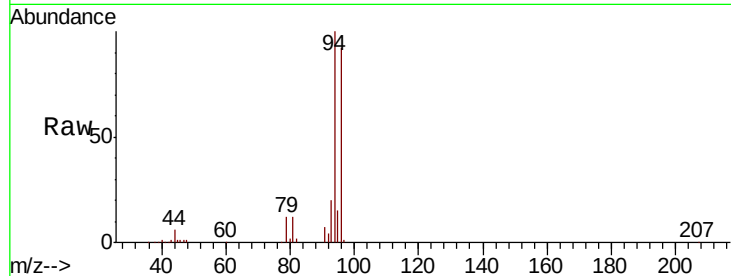
VN1213MBSD01

Tot Ion: 94 Resp: 149583

Ion Ratio Lower Upper

94 100

96 92.4 75.0 112.4



#6

Chloroethane

Concen: 18.064 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052861.D

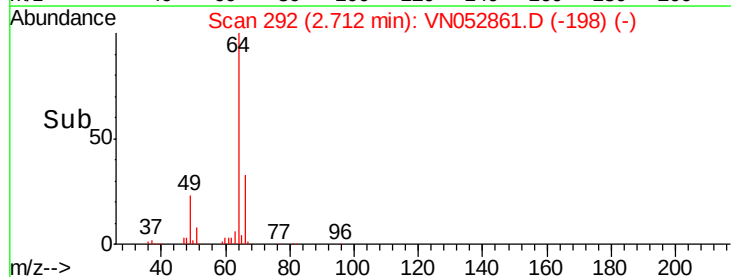
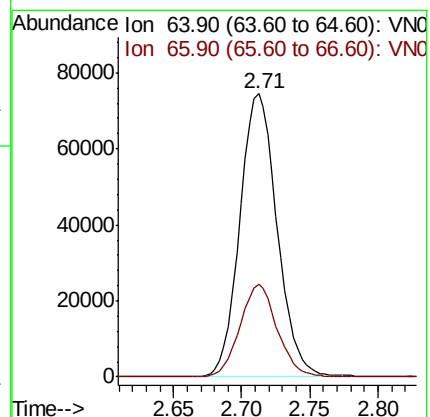
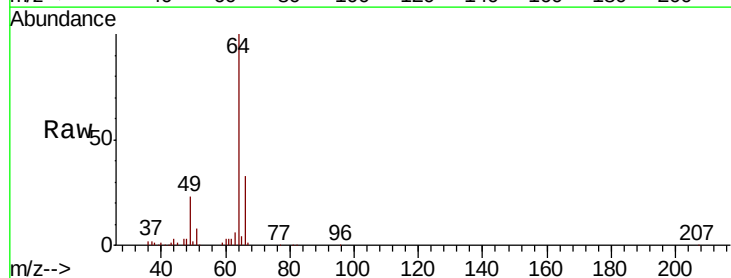
Acq: 13 Dec 2018 13:47

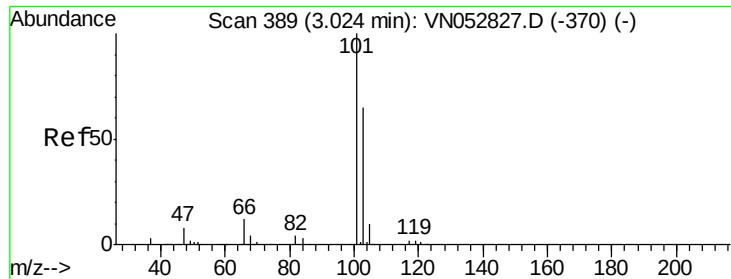
Tgt Ion: 64 Resp: 141347

Ion Ratio Lower Upper

64 100

66 32.5 26.2 39.2



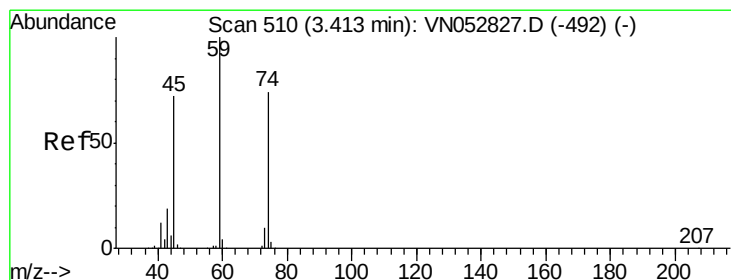
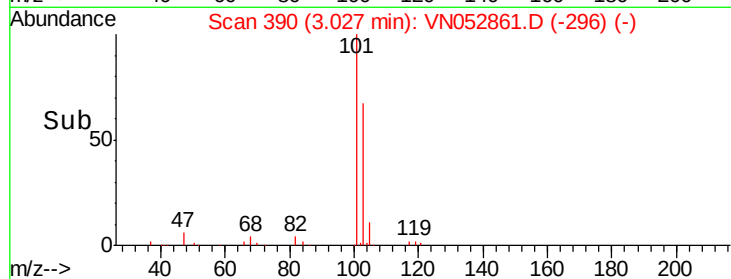
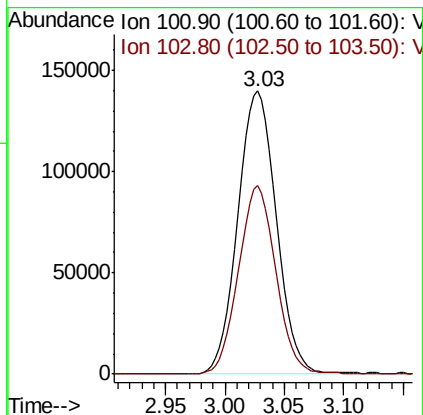
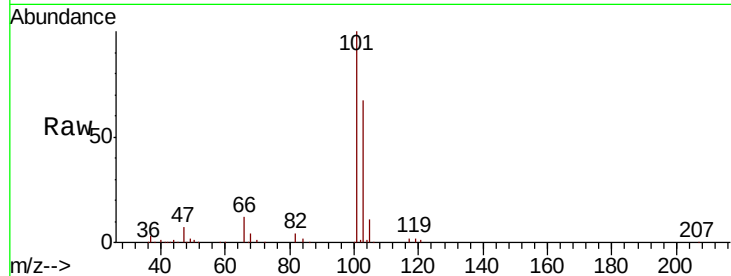


#7

Trichlorofluoromethane
 Concen: 19.142 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

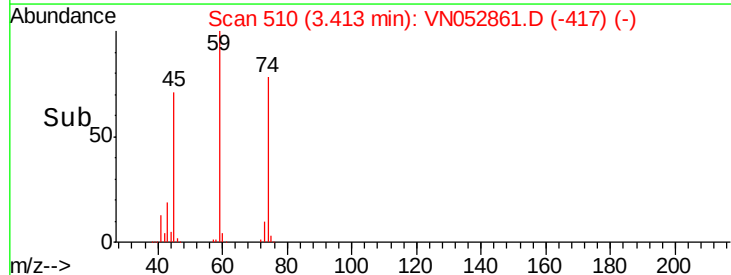
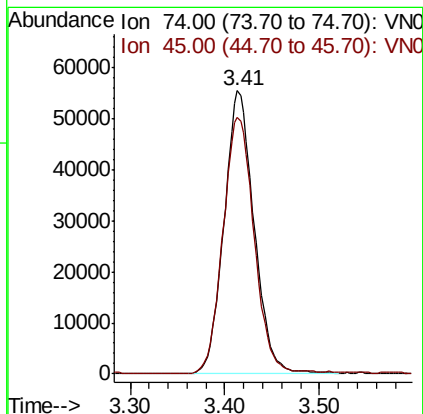
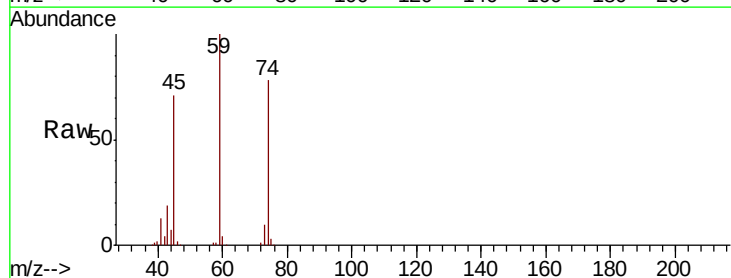
Tot Ion:101 Resp: 314171
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.8 77.6

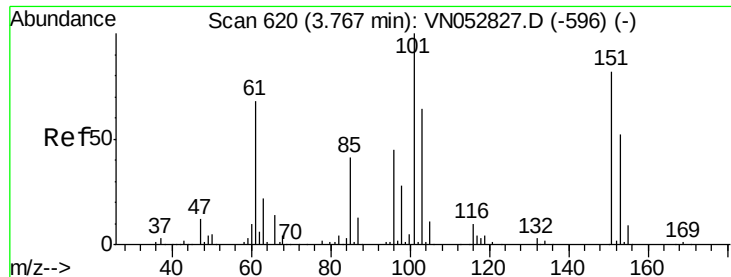


#8

Diethyl Ether
 Concen: 20.462 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

Tgt Ion: 74 Resp: 122502
 Ion Ratio Lower Upper
 74 100
 45 93.8 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.122 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBSD01

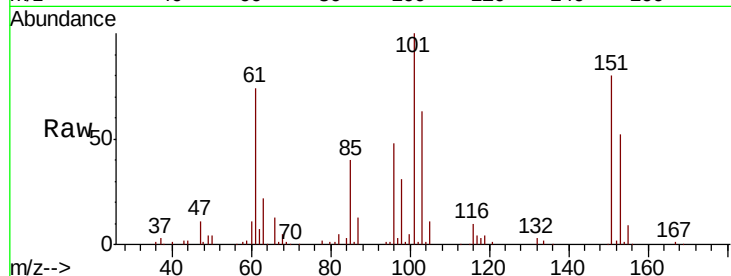
Tot Ion:101 Resp: 194503

Ion Ratio Lower Upper

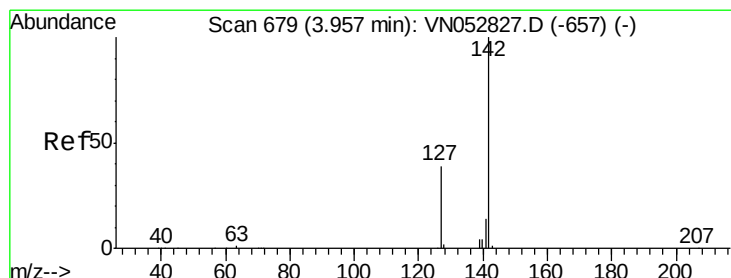
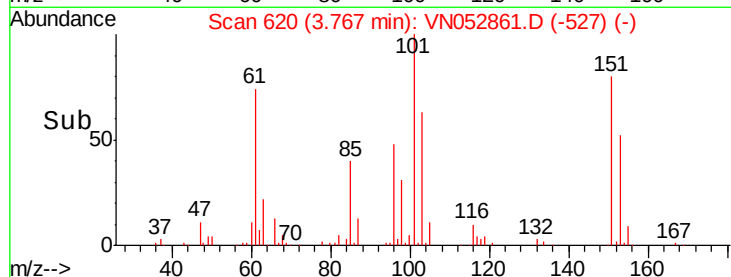
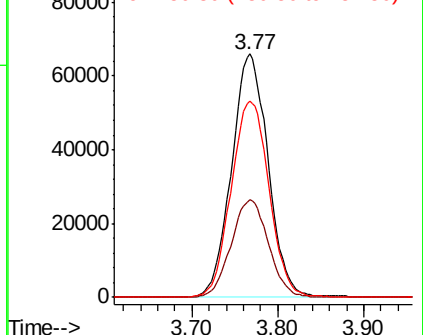
101 100

85 40.9 33.6 50.4

151 83.9 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.094 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

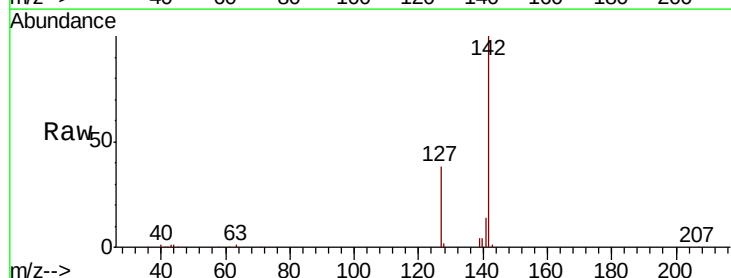
Tgt Ion:142 Resp: 271988

Ion Ratio Lower Upper

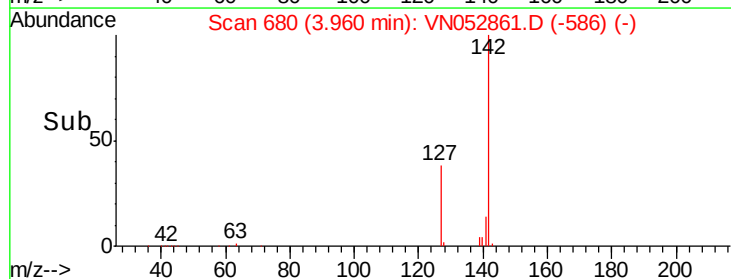
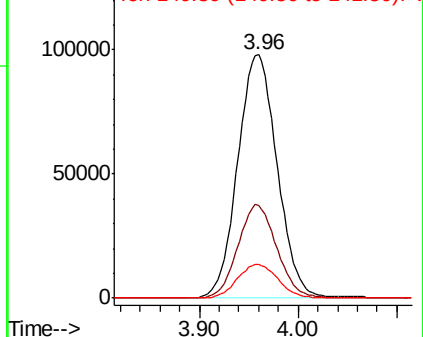
142 100

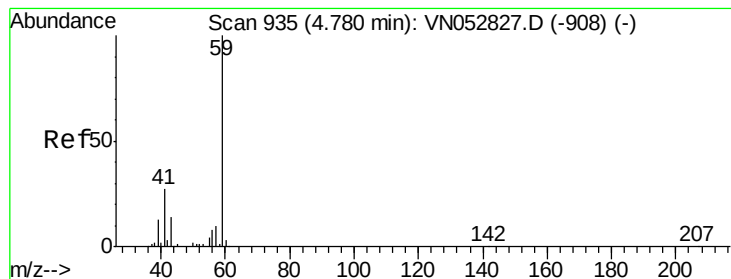
127 37.7 31.0 46.6

141 14.1 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 89.631 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

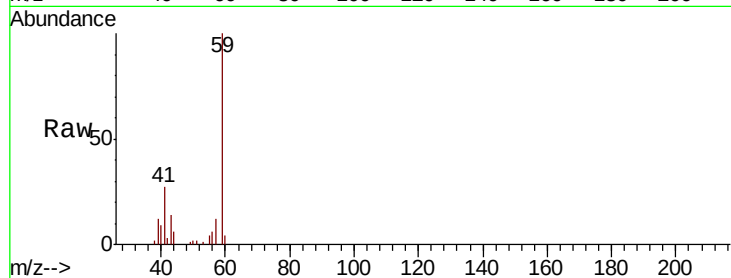
VN1213MBSD01

Tot Ion: 59 Resp: 57032

Ion Ratio Lower Upper

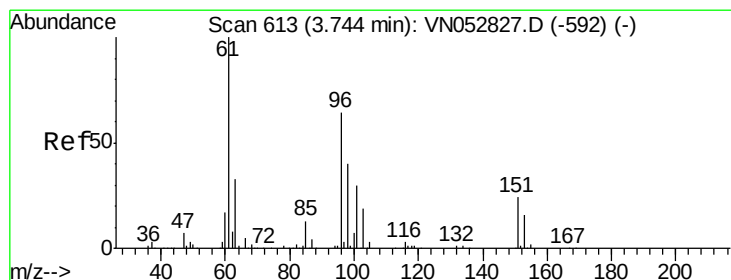
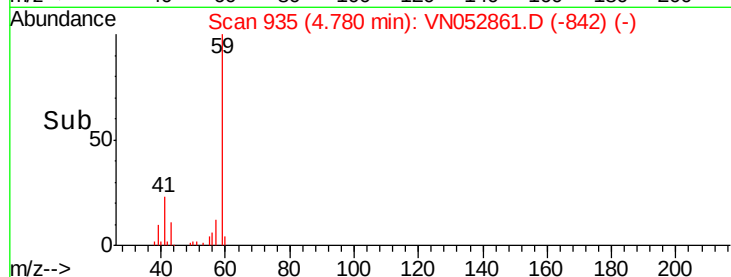
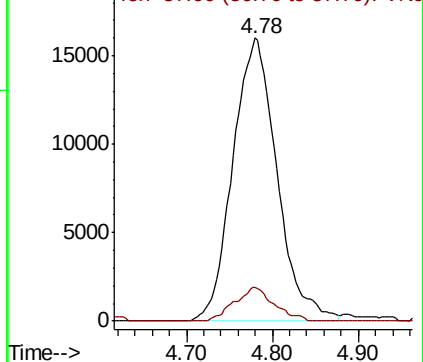
59 100

57 10.6 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 19.504 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

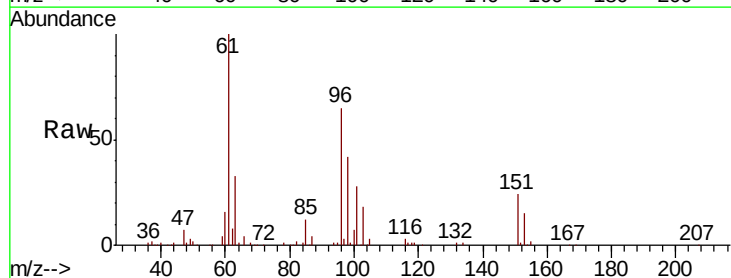
Tgt Ion: 96 Resp: 192053

Ion Ratio Lower Upper

96 100

61 154.2 125.6 188.4

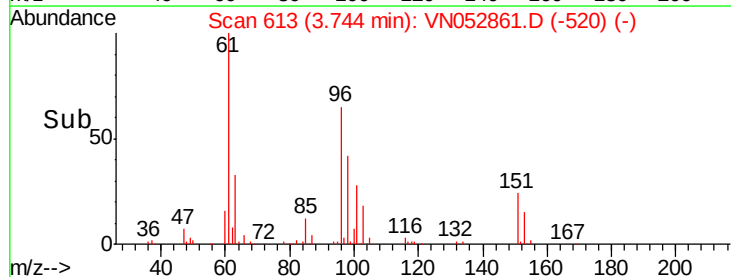
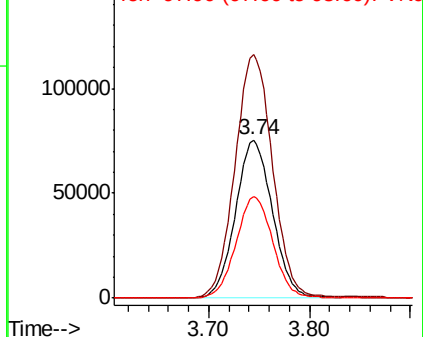
98 64.4 50.6 75.8

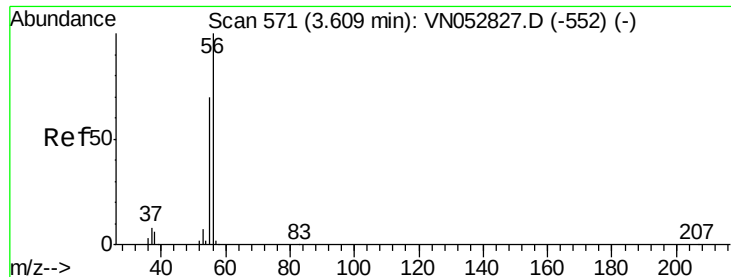


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 104.943 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

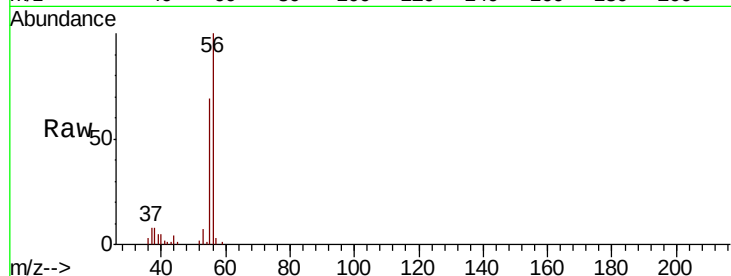
VN1213MBSD01

Tot Ion: 56 Resp: 62869

Ion Ratio Lower Upper

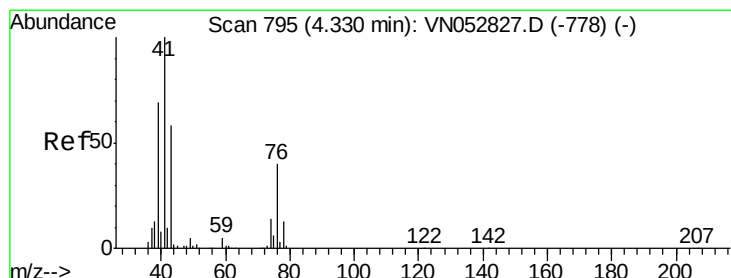
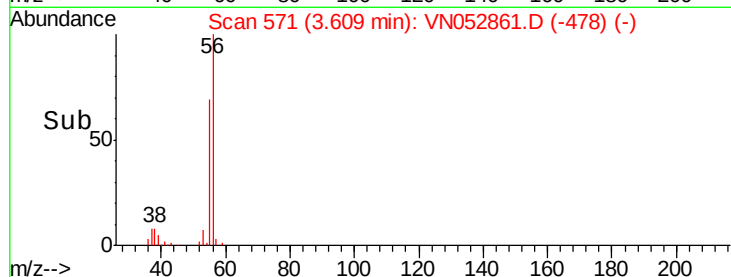
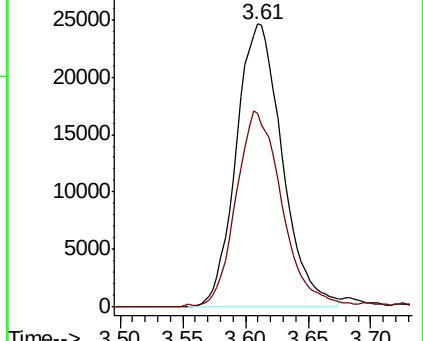
56 100

55 69.3 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.672 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

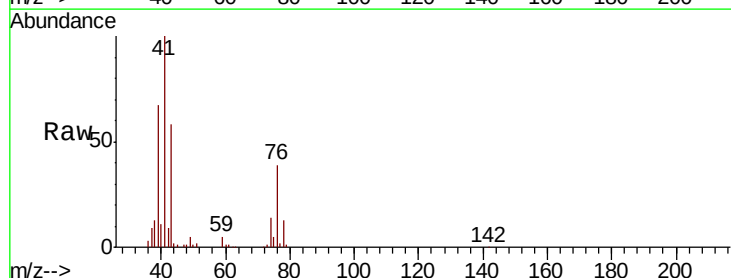
Tgt Ion: 41 Resp: 316381

Ion Ratio Lower Upper

41 100

39 61.8 54.1 81.1

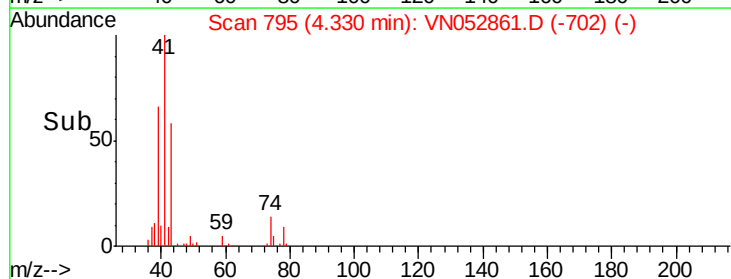
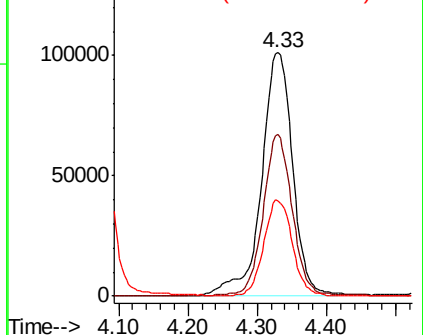
76 35.5 30.3 45.5

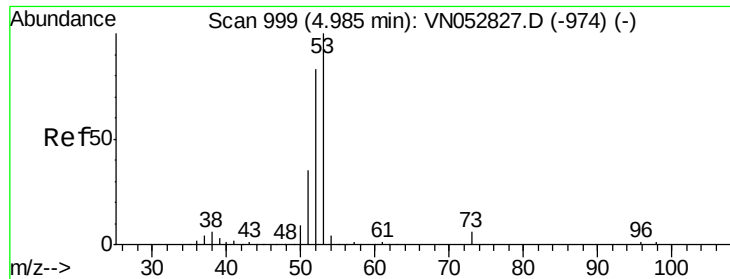


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.255 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

VN1213MBS01

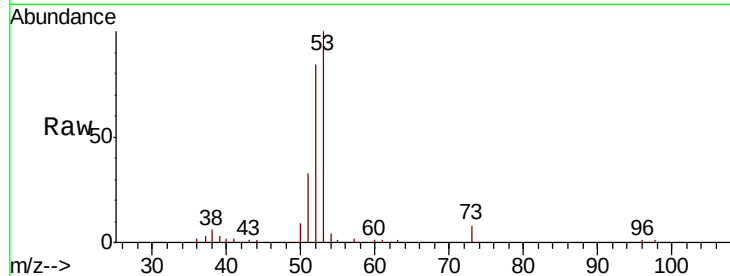
Tot Ion: 53 Resp: 343600

Ion Ratio Lower Upper

53 100

52 82.3 65.1 97.7

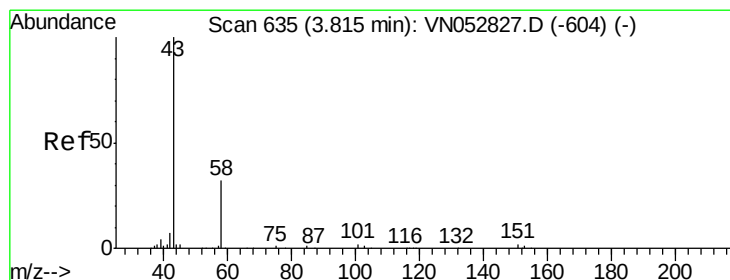
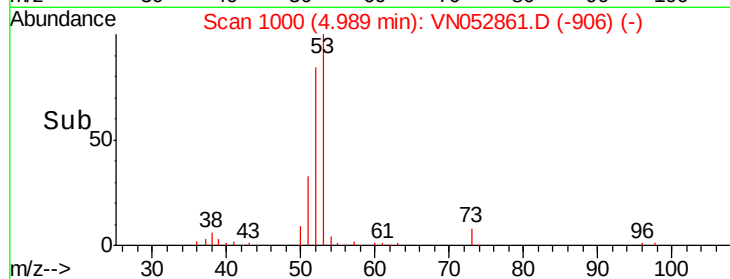
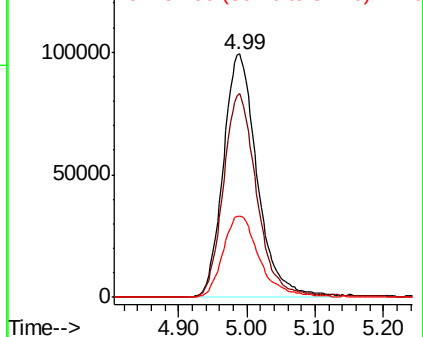
51 35.6 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 87.135 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052861.D

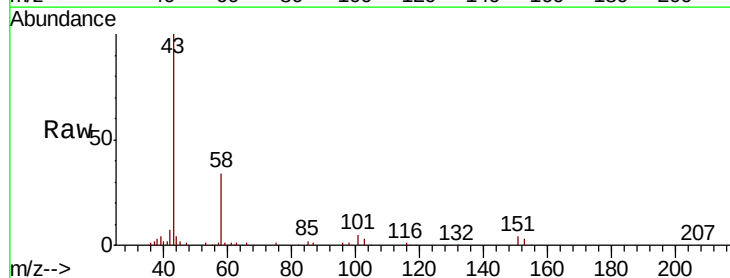
Acq: 13 Dec 2018 13:47

Tgt Ion: 43 Resp: 222857

Ion Ratio Lower Upper

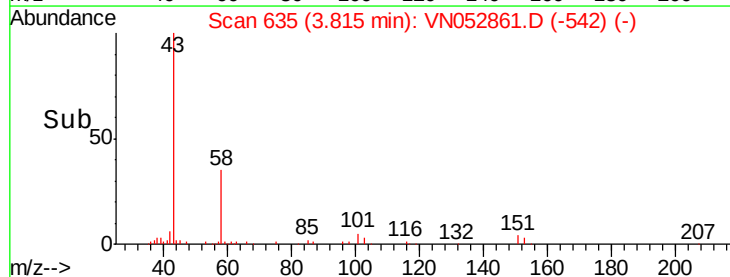
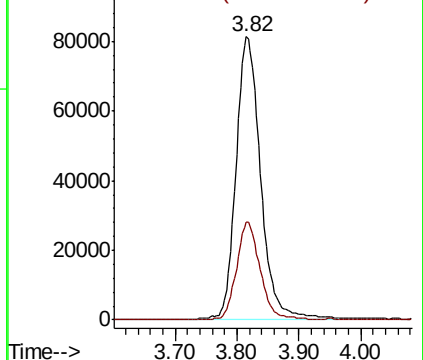
43 100

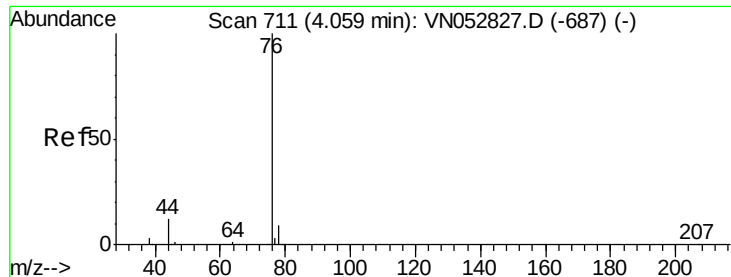
58 34.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.647 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

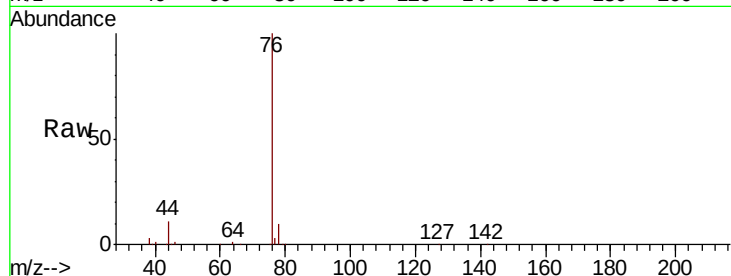
VN1213MBSD01

Tot Ion: 76 Resp: 533809

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052827.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052827.D (-687) (-)

4.06

200000

150000

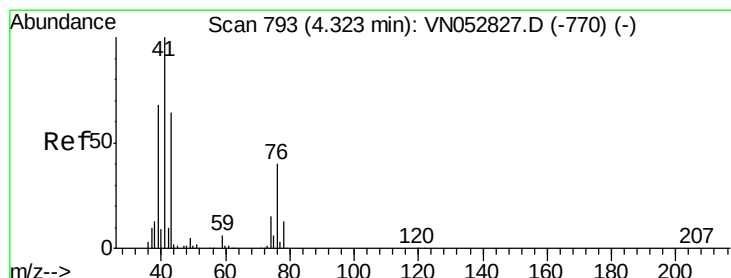
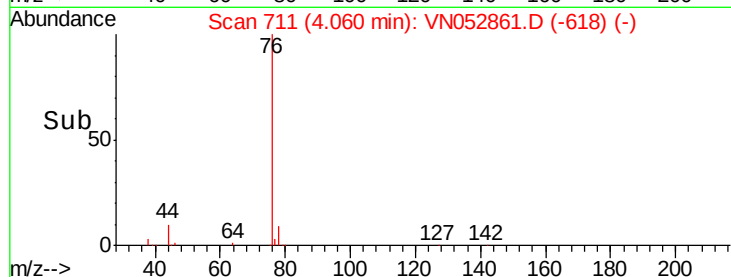
100000

50000

0

3.90 4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 18.500 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052861.D

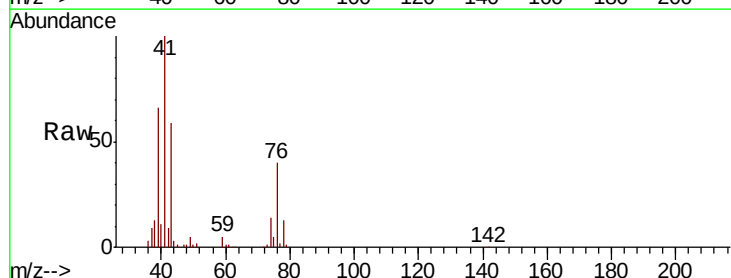
Acq: 13 Dec 2018 13:47

Tgt Ion: 43 Resp: 173652

Ion Ratio Lower Upper

43 100

74 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN052827.D (-770) (-)

4.33

60000

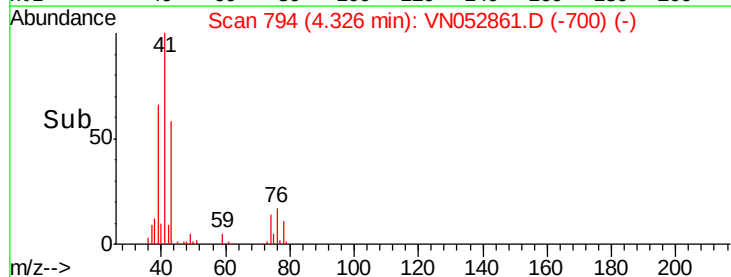
40000

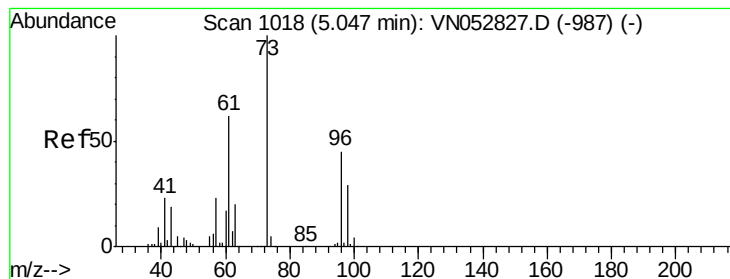
20000

0

4.20 4.30 4.40 4.50

Time-->





#19

Methyl tert-butyl Ether

Concen: 19.818 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

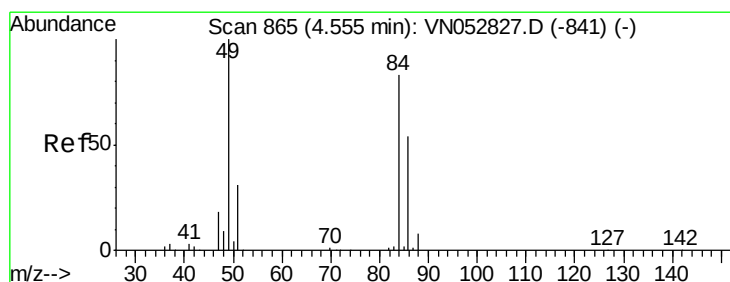
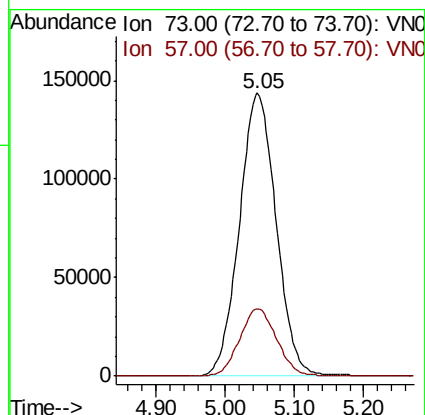
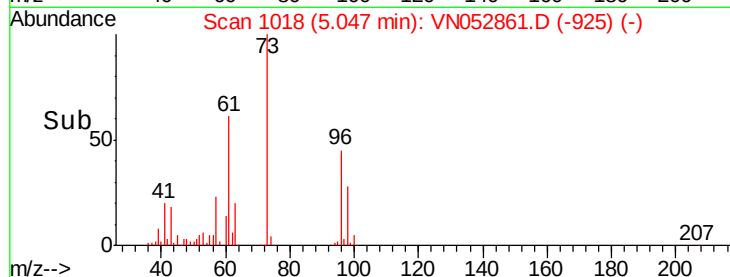
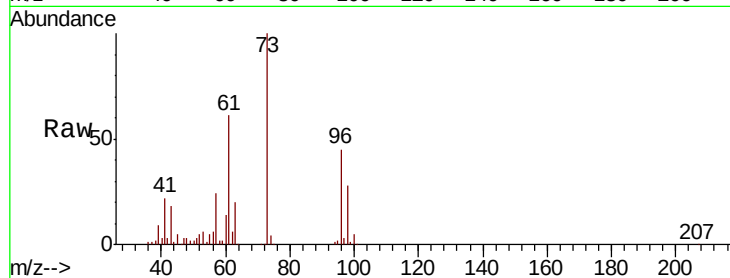
VN1213MBSD01

Tot Ion: 73 Resp: 529774

Ion Ratio Lower Upper

73 100

57 23.8 18.4 27.6



#20

Methylene Chloride

Concen: 18.850 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Tgt Ion: 84 Resp: 216957

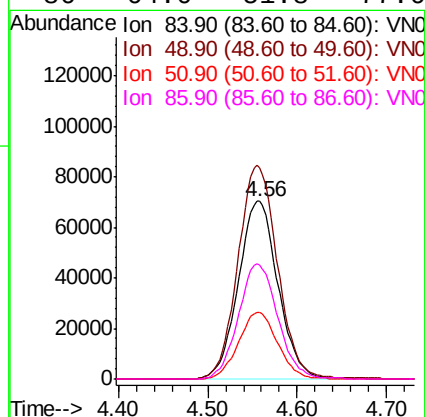
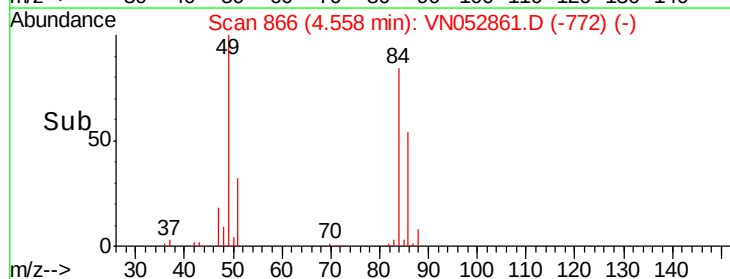
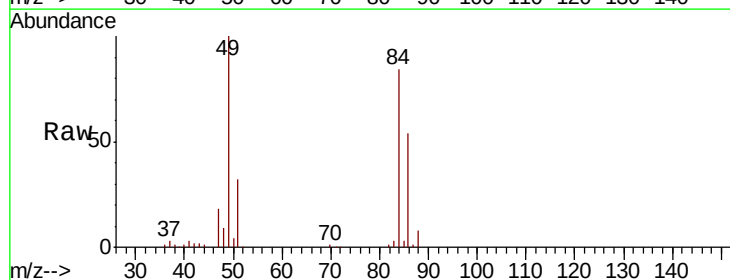
Ion Ratio Lower Upper

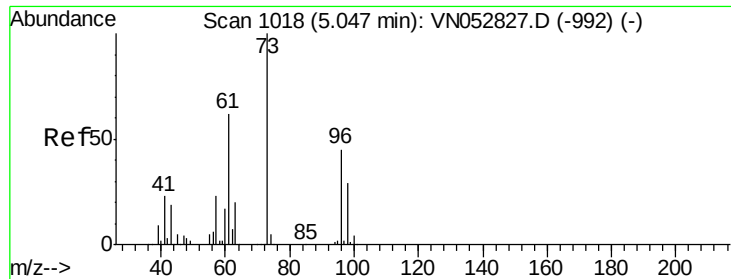
84 100

49 118.9 96.8 145.2

51 37.6 29.9 44.9

86 64.0 51.8 77.6

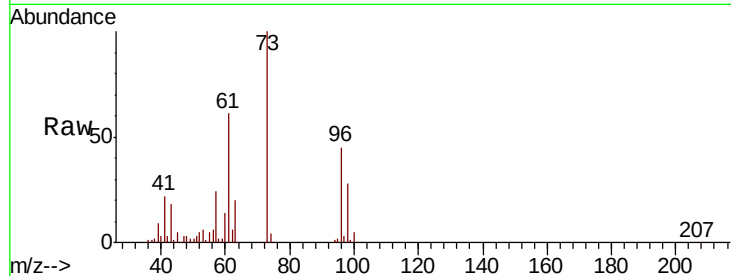




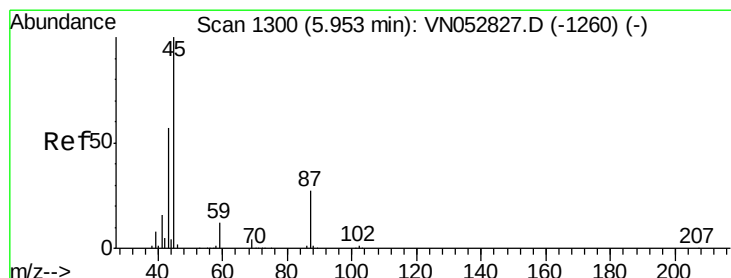
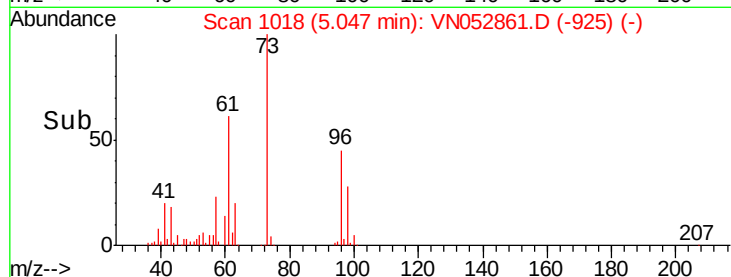
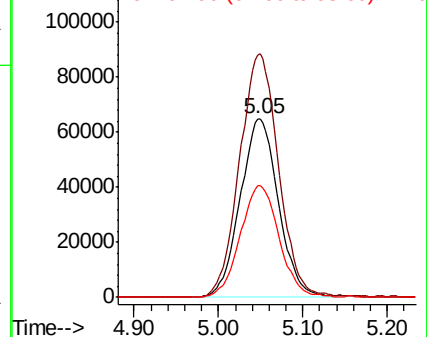
#21
trans-1,2-Dichloroethene
Concen: 19.200 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion: 96 Resp: 204826
Ion Ratio Lower Upper
96 100
61 135.9 110.8 166.2
98 62.7 51.4 77.2

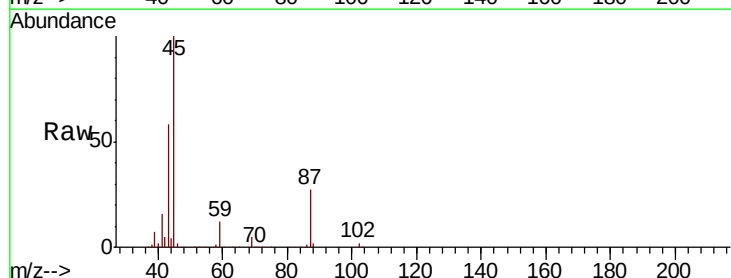


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

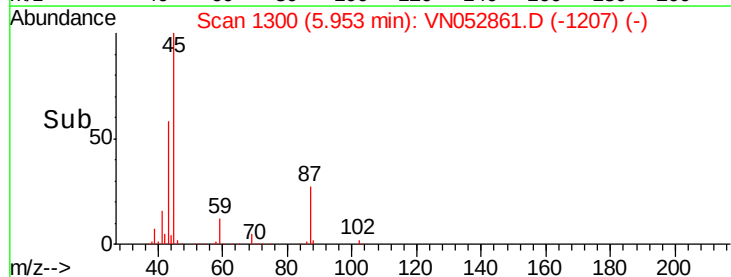
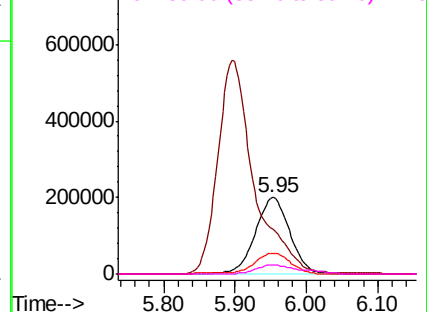


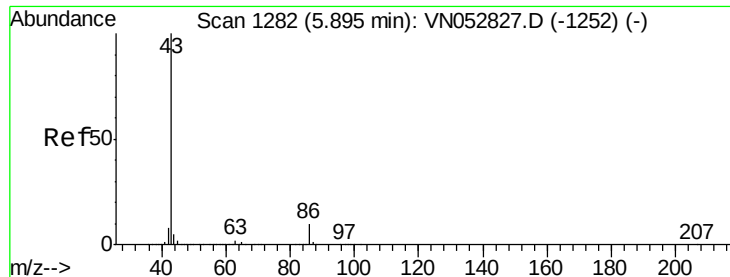
#22
Diisopropyl ether
Concen: 19.551 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

Tgt Ion: 45 Resp: 670828
Ion Ratio Lower Upper
45 100
43 56.4 45.5 68.3
87 27.2 22.0 33.0
59 11.9 9.4 14.0



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





#23

Vinyl Acetate

Concen: 97.003 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

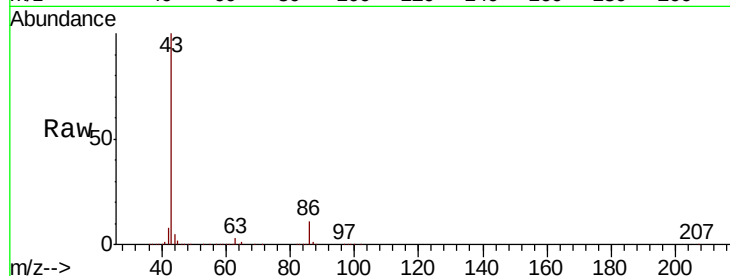
VN1213MBSD01

Tot Ion: 43 Resp: 1980460

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN052827.D (-1252) (-)

5.90

600000

500000

400000

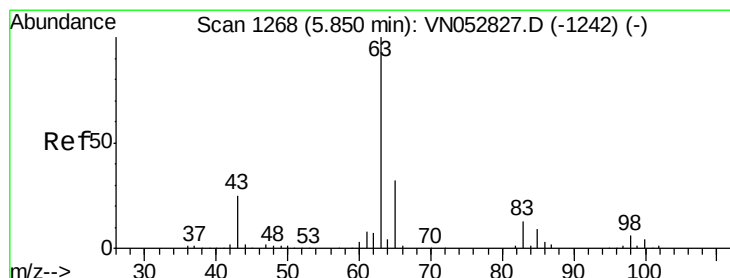
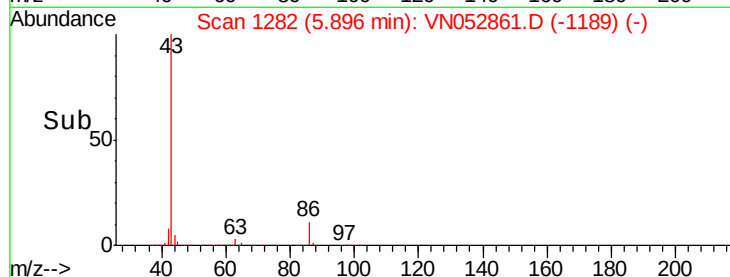
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.752 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

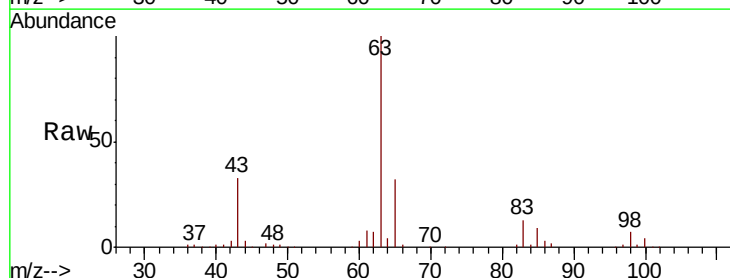
Tgt Ion: 63 Resp: 390814

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052827.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052827.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052827.D (-1242) (-)

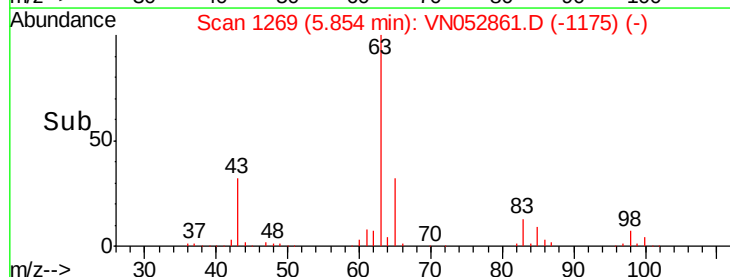
150000

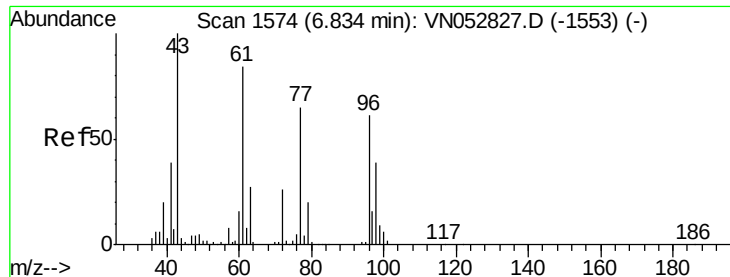
100000

50000

0

Time-->





#25

2-Butanone

Concen: 92.987 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

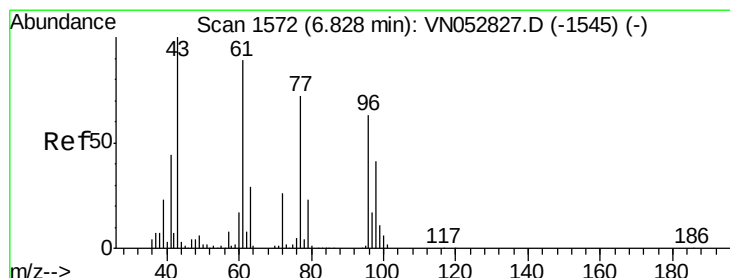
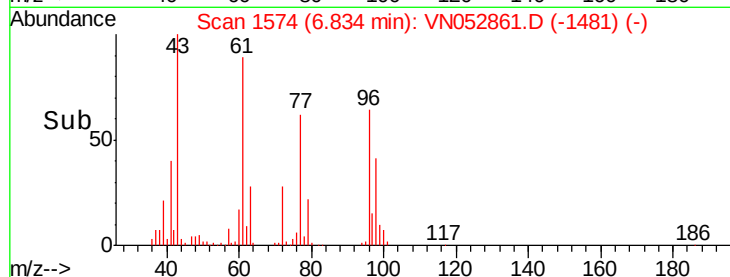
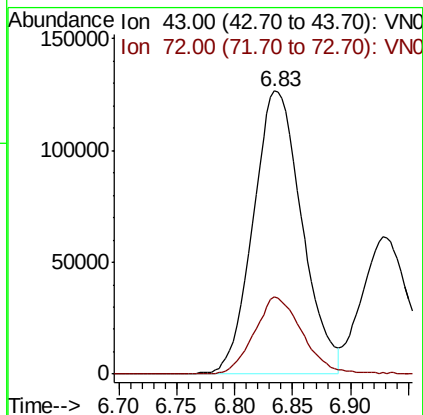
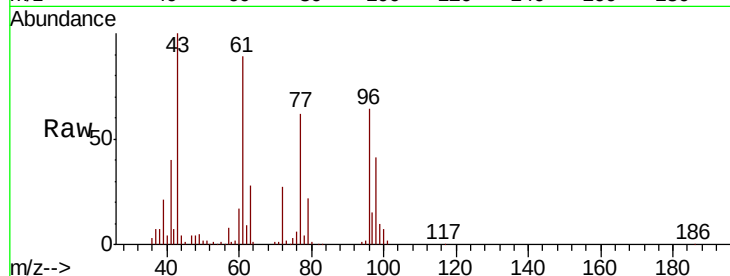
VN1213MBS01

Tot Ion: 43 Resp: 369018

Ion Ratio Lower Upper

43 100

72 27.5 21.0 31.6



#26

2,2-Dichloropropane

Concen: 17.901 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052861.D

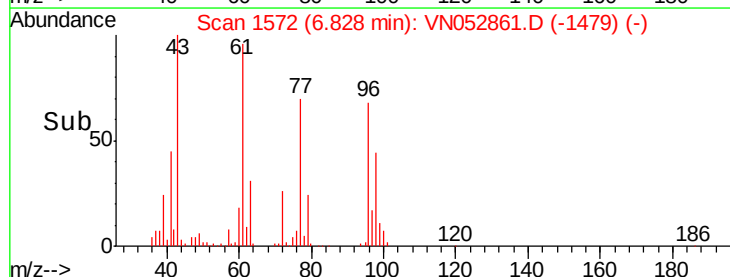
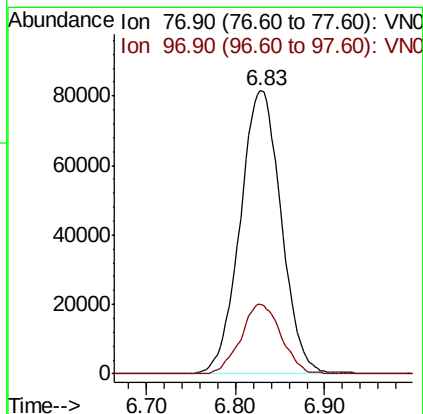
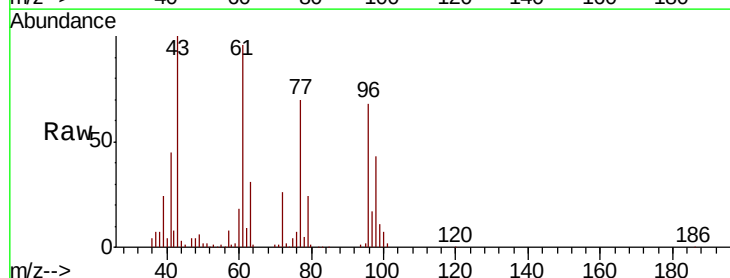
Acq: 13 Dec 2018 13:47

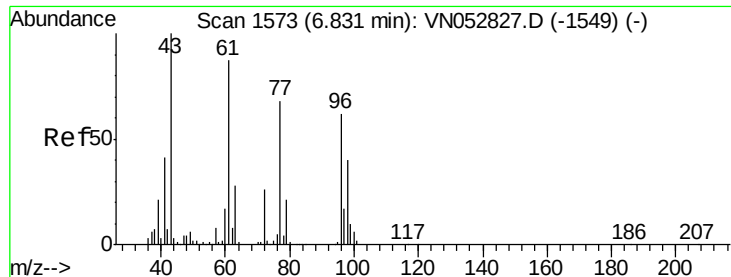
Tgt Ion: 77 Resp: 260832

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.723 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBSD01

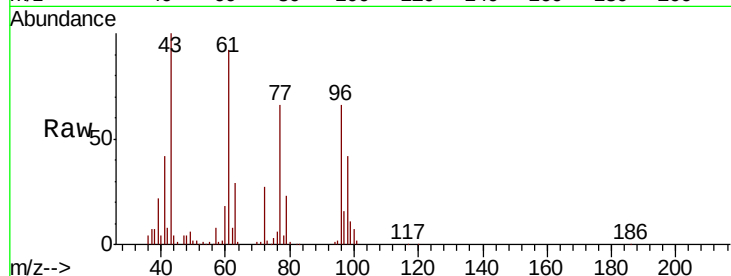
Tot Ion: 96 Resp: 238802

Ion Ratio Lower Upper

96 100

61 139.8 0.0 284.2

98 64.2 0.0 129.2

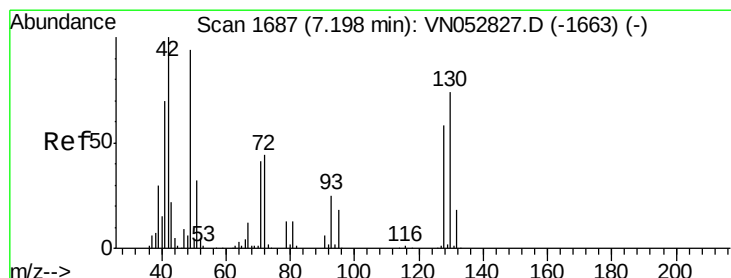
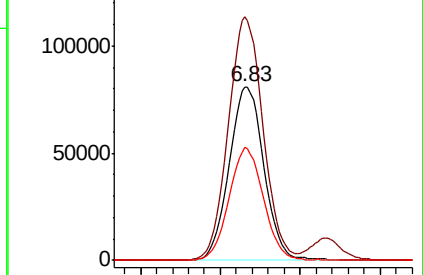
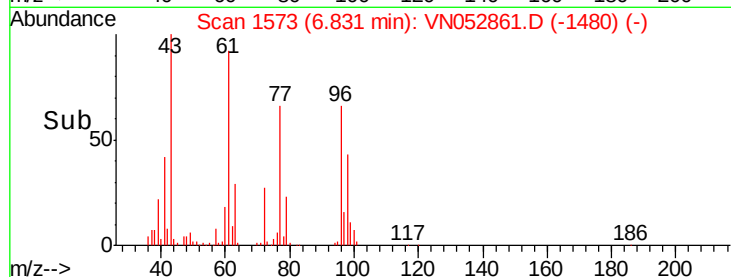


Abundance Ion 95.90 (95.60 to 96.60): VN052827.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN052827.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN052827.D (-1549) (-)

Time-->



#28

Bromochloromethane

Concen: 19.252 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

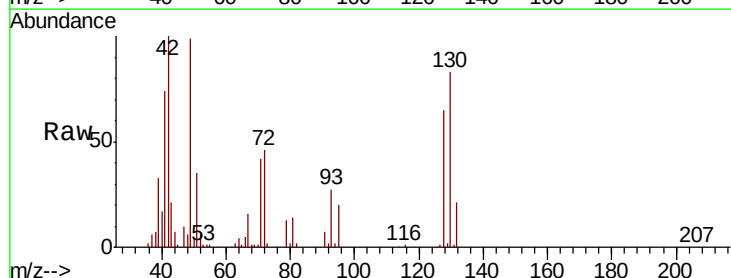
Tgt Ion: 49 Resp: 171055

Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.0

130 82.9 63.3 94.9

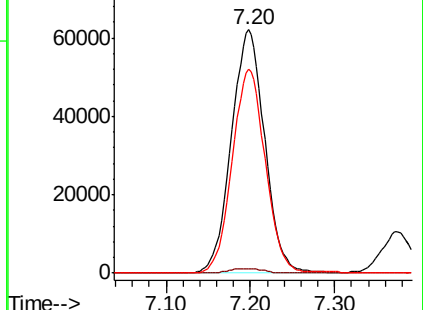
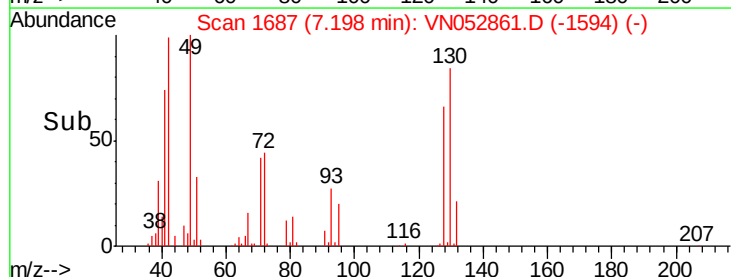


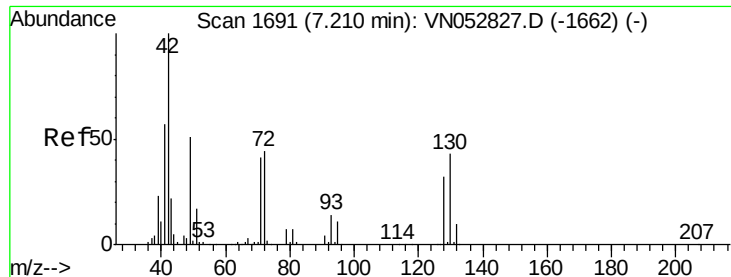
Abundance Ion 48.90 (48.60 to 49.60): VN052827.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN052827.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN052827.D (-1663) (-)

Time-->





#29

Tetrahydrofuran

Concen: 95.956 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

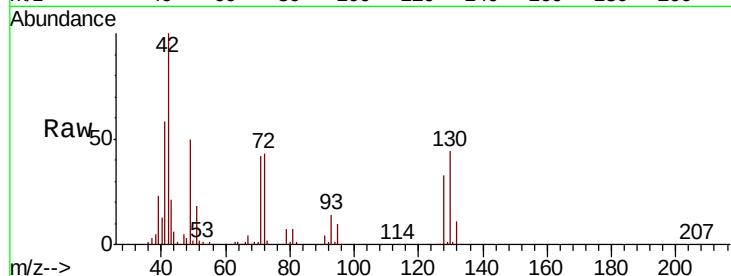
Tot Ion: 42 Resp: 259968

Ion Ratio Lower Upper

42 100

72 44.0 34.7 52.1

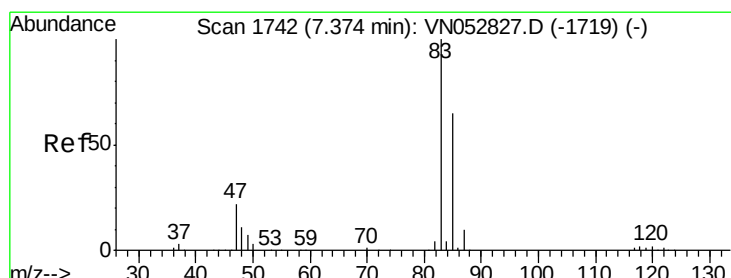
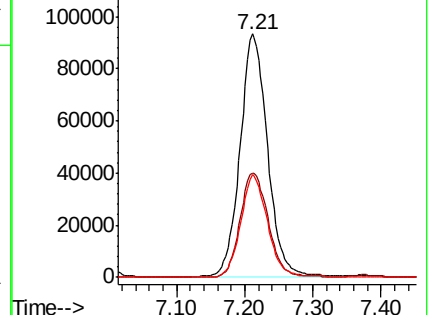
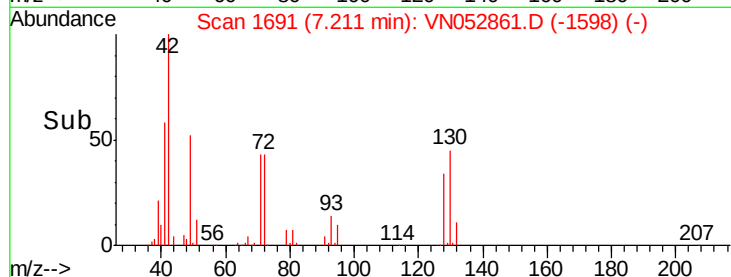
71 40.9 32.3 48.5



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: 19.515 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052861.D

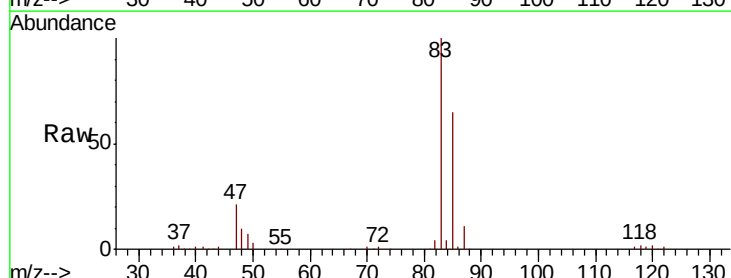
Acq: 13 Dec 2018 13:47

Tgt Ion: 83 Resp: 376531

Ion Ratio Lower Upper

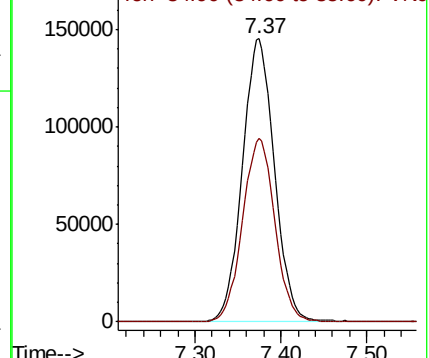
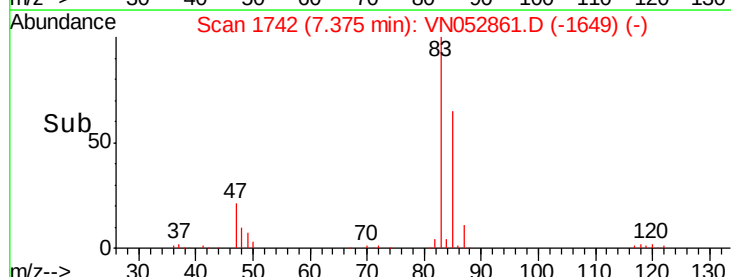
83 100

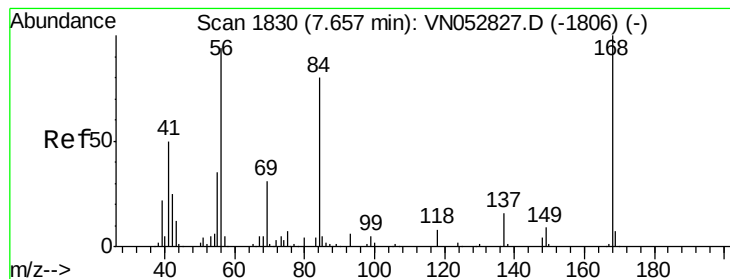
85 65.0 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.424 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBSD01

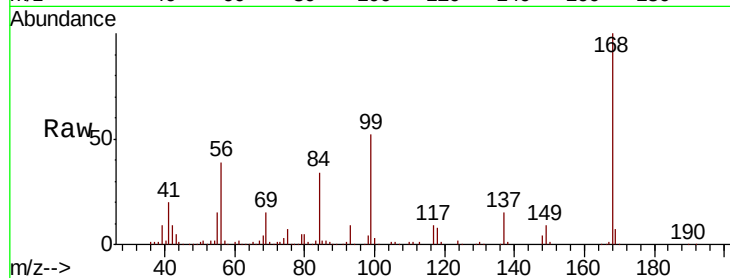
Tot Ion: 56 Resp: 381670

Ion Ratio Lower Upper

56 100

69 37.8 26.6 39.8

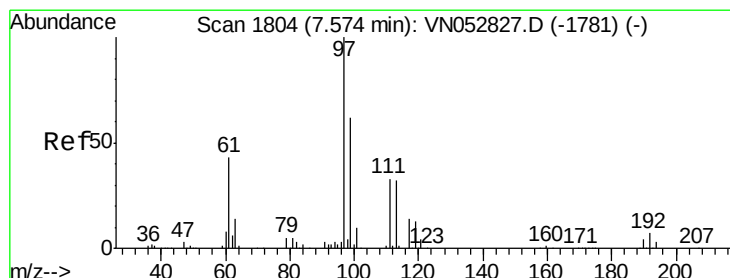
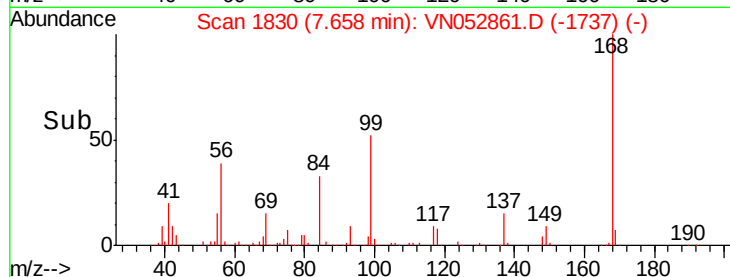
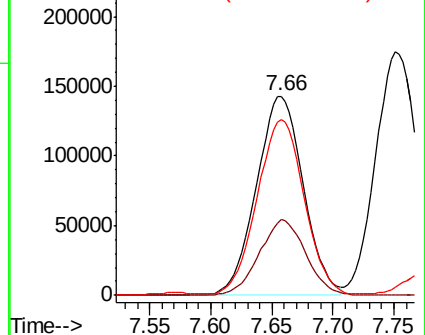
84 87.3 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN052827.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN052827.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN052827.D (-1806) (-)



#32

1,1,1-Trichloroethane

Concen: 19.386 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

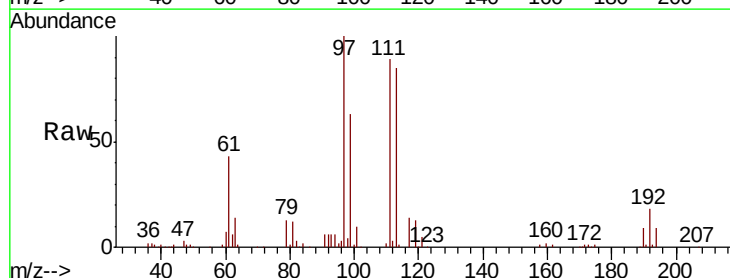
Tgt Ion: 97 Resp: 312961

Ion Ratio Lower Upper

97 100

99 63.3 51.1 76.7

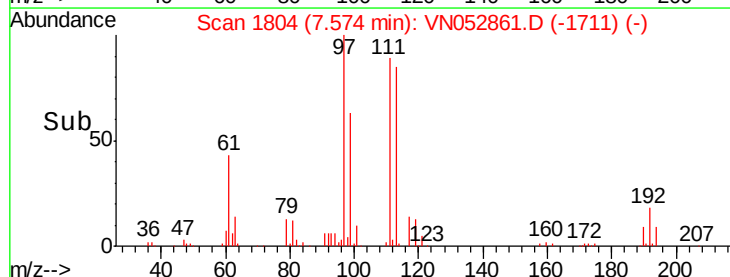
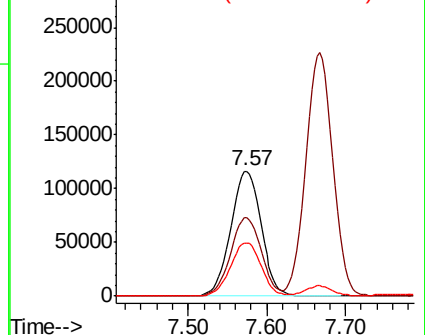
61 43.0 35.0 52.6

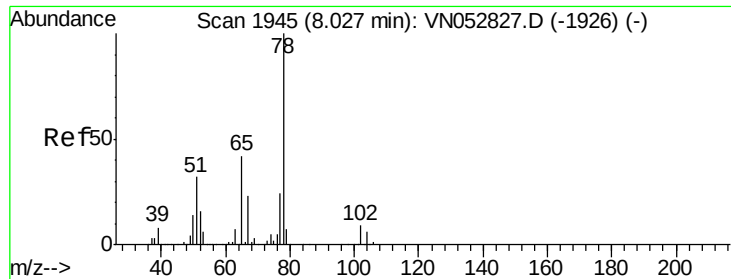


Abundance Ion 96.90 (96.60 to 97.60): VN052827.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN052827.D (-1781) (-)

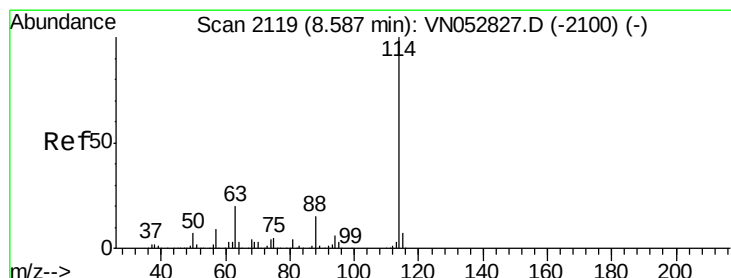
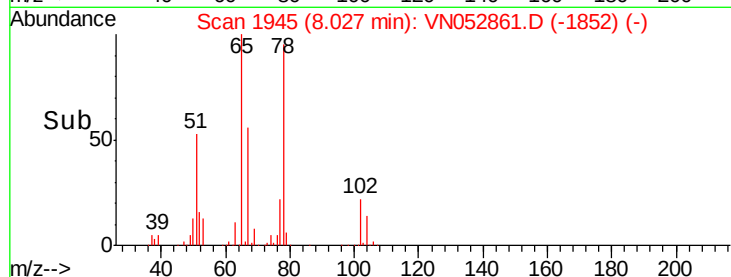
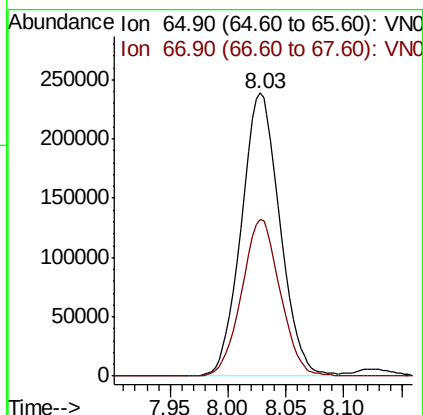
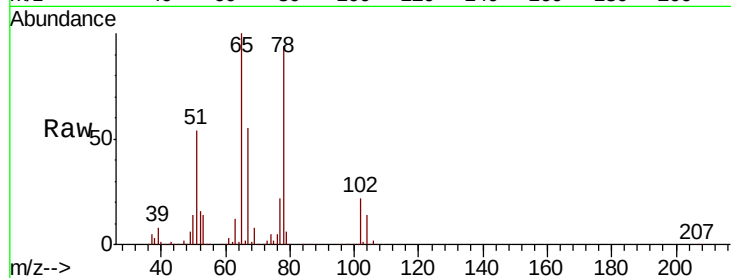




#33
 1,2-Dichloroethane-d4
 Concen: 19.386 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

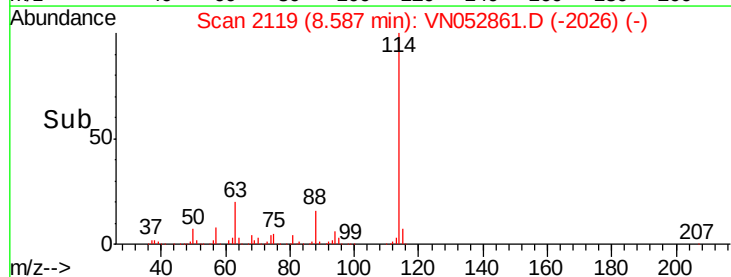
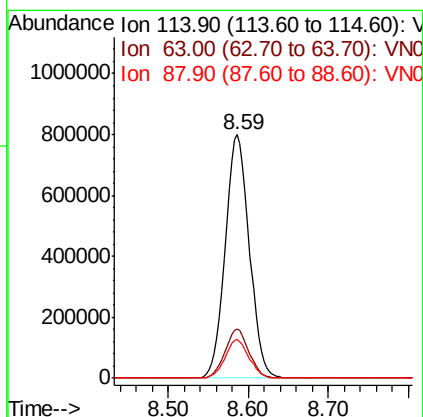
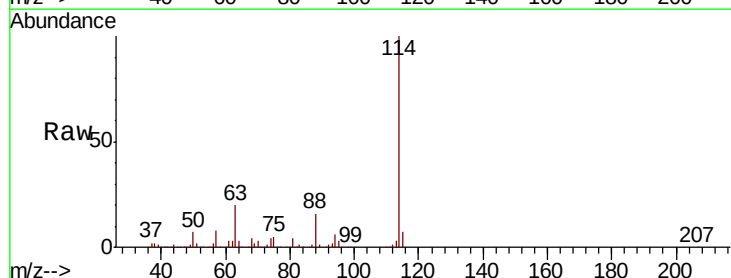
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

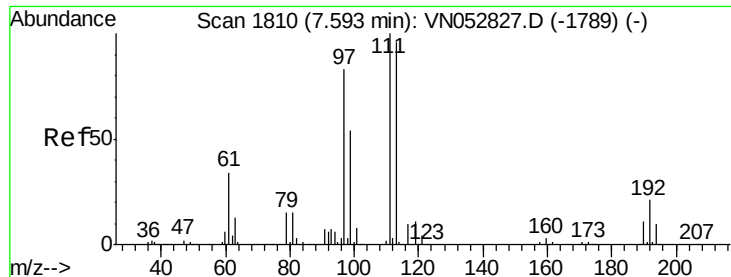
Tot Ion: 65 Resp: 552960
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

Tgt Ion: 114 Resp: 1642591
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.8 0.0 31.0

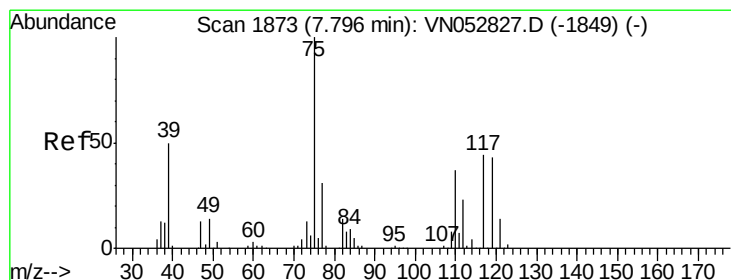
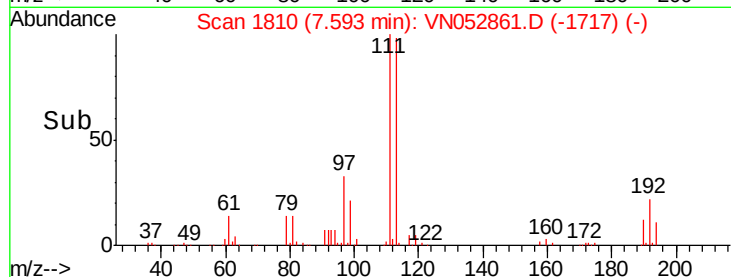
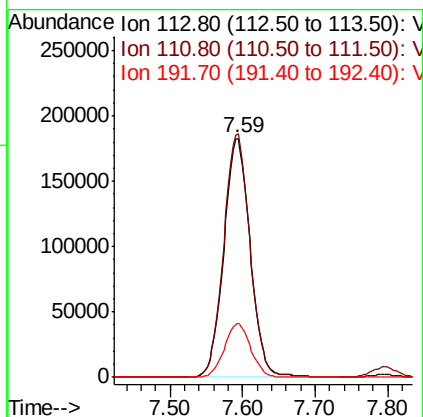
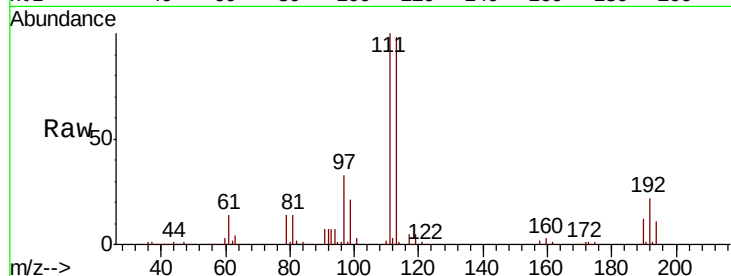




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

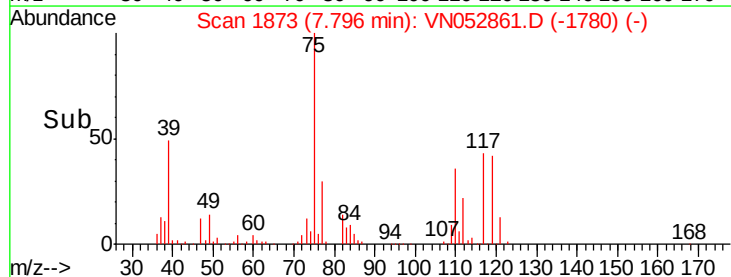
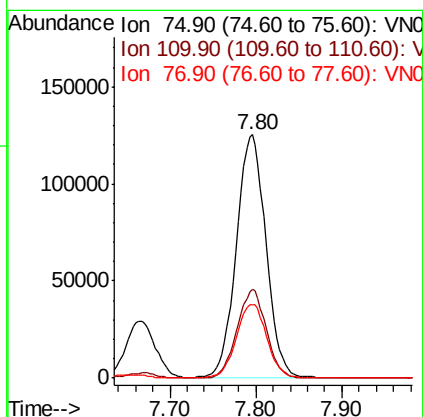
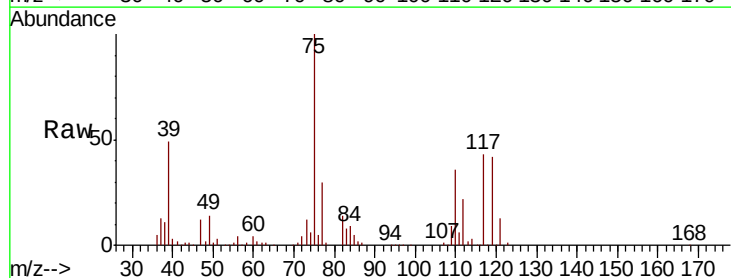
Instrument :
MSVOA_N
ClientSampleId :
VN1213MBSD01

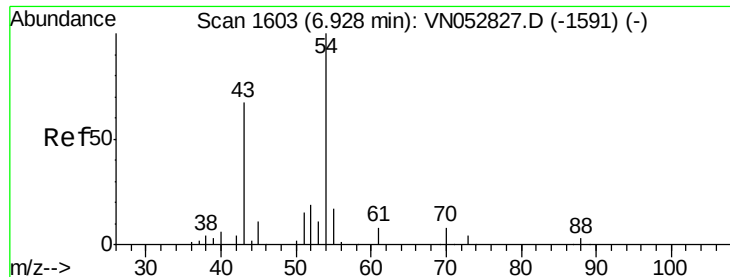
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.4
192	22.6	17.5	26.3



#36
1,1-Dichloropropene
Concen: 19.807 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.2	54.6
77	31.4	24.9	37.3

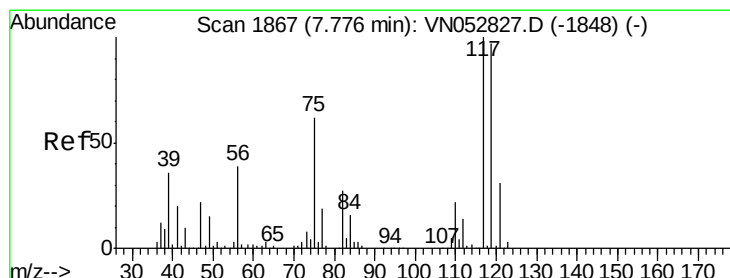
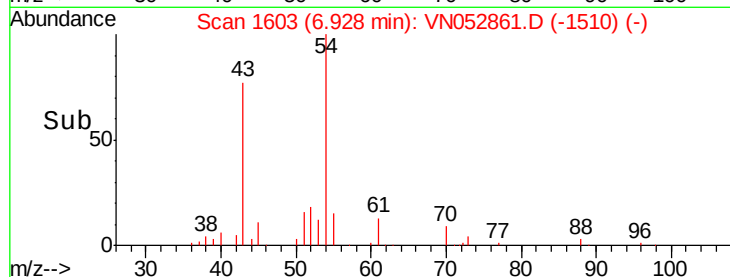
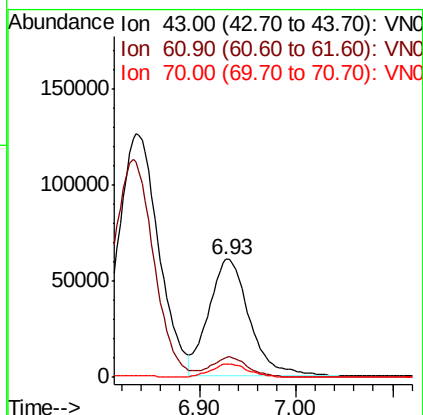
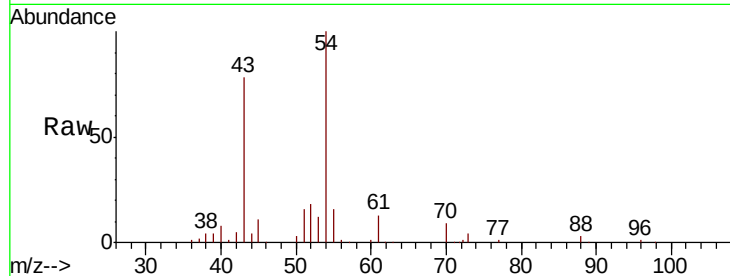




#37
Ethyl Acetate
Concen: 19.588 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

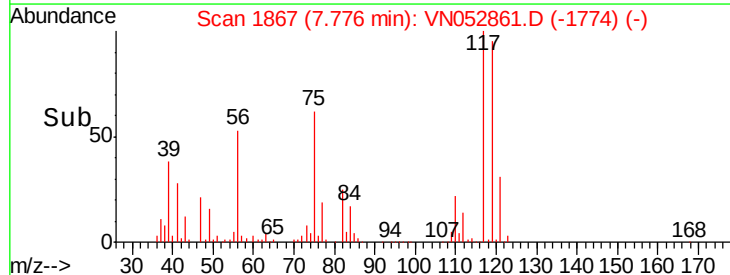
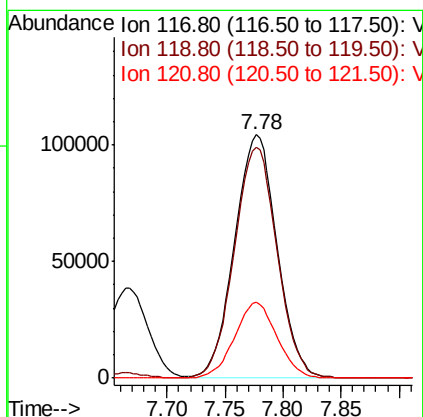
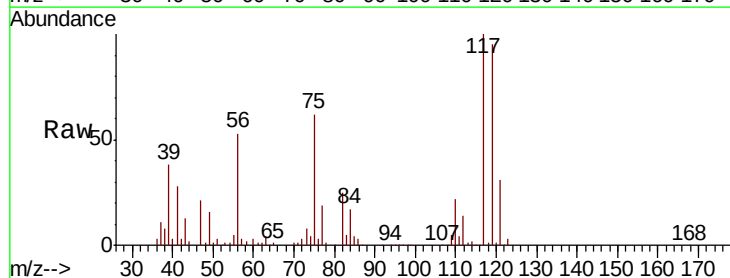
Instrument :
MSVOA_N
ClientSampleId :
VN1213MBSD01

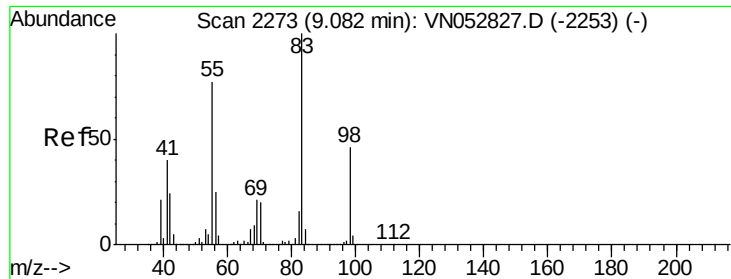
Tot Ion: 43 Resp: 177996
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 10.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.015 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

Tgt Ion: 117 Resp: 264744
Ion Ratio Lower Upper
117 100
119 94.9 77.1 115.7
121 31.1 24.9 37.3

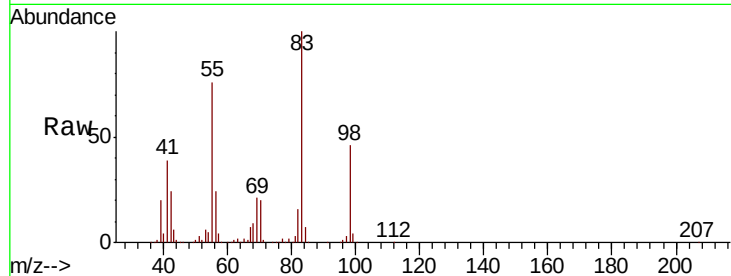




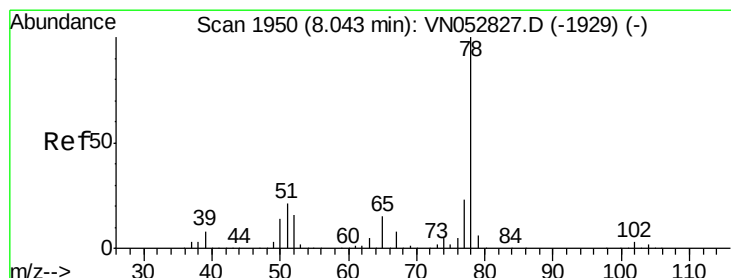
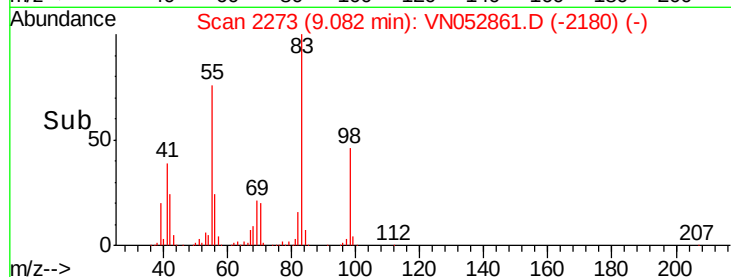
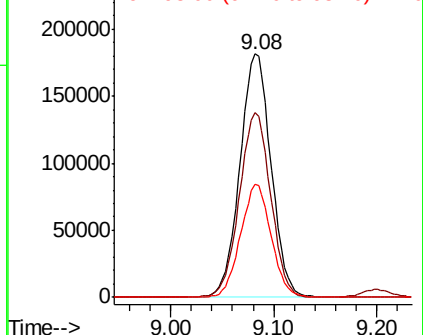
#39
Methylvlcyclohexane
Concen: 20.533 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBSD01

Tot Ion: 83 Resp: 381130
Ion Ratio Lower Upper
83 100
55 75.7 61.3 91.9
98 46.3 37.0 55.4

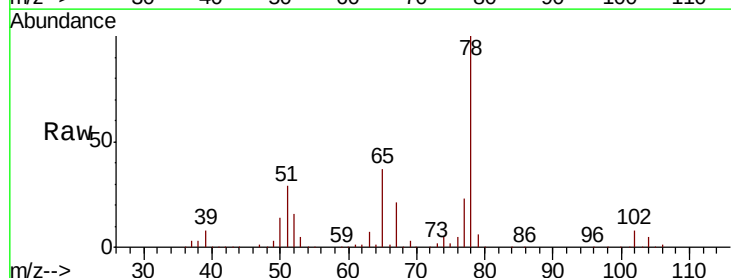


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

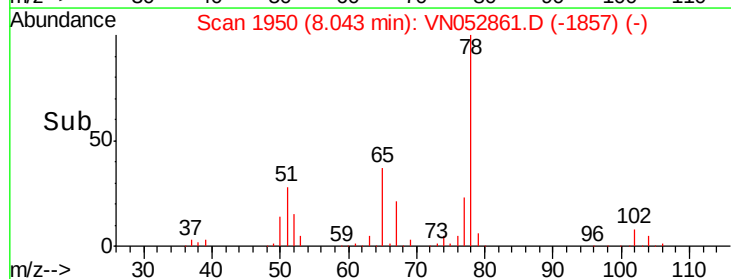
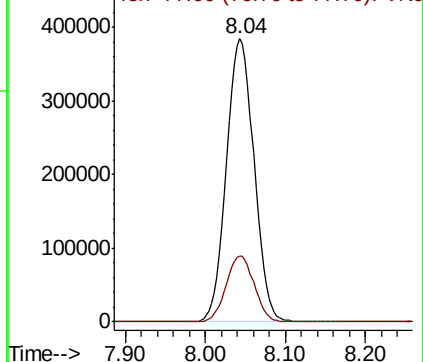


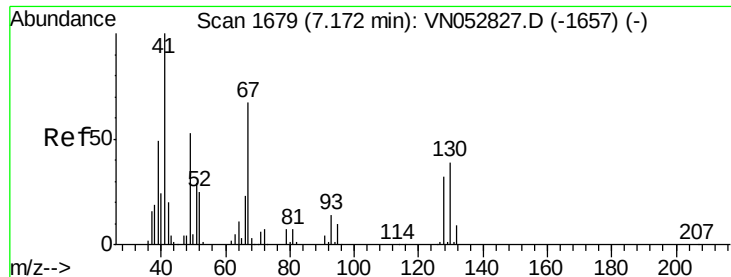
#40
Benzene
Concen: 19.948 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

Tgt Ion: 78 Resp: 905606
Ion Ratio Lower Upper
78 100
77 23.3 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

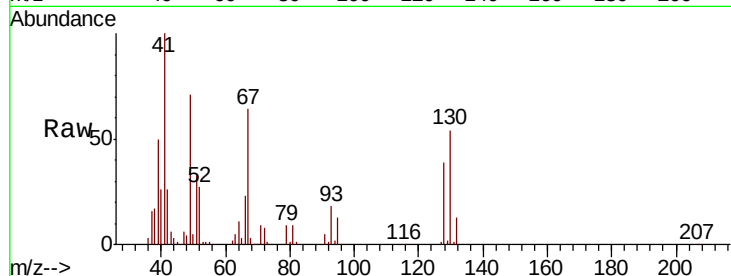




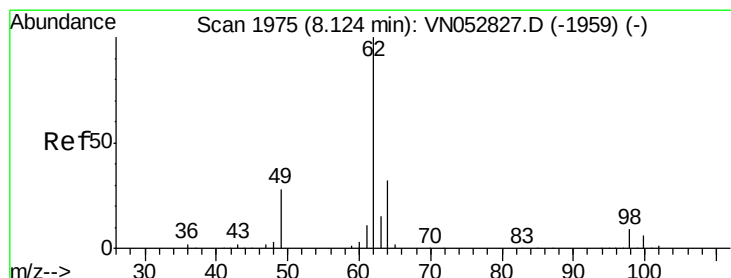
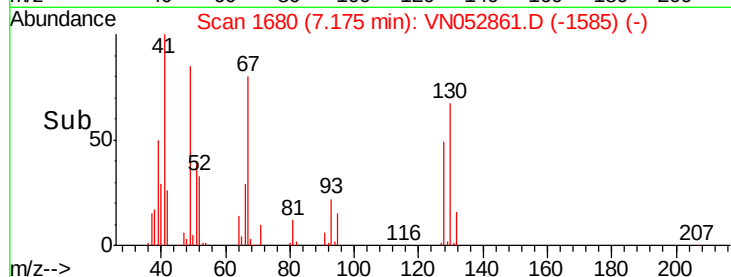
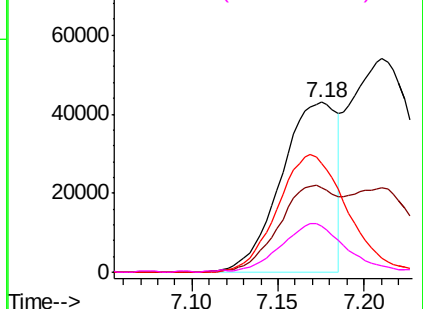
#41
Methacrylonitrile
Concen: 19.256 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBSD01

Tot Ion: 41 Resp: 96951
Ion Ratio Lower Upper
41 100
39 55.4 48.0 72.0
67 86.2 70.3 105.5
52 32.5 26.9 40.3

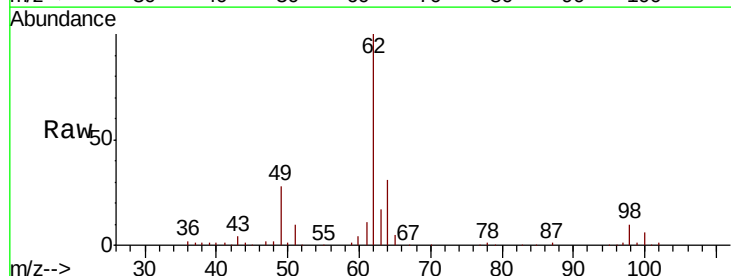


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

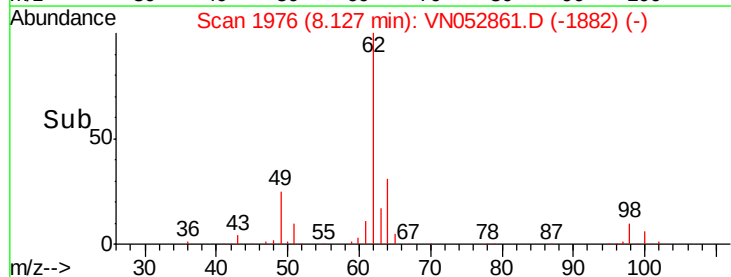
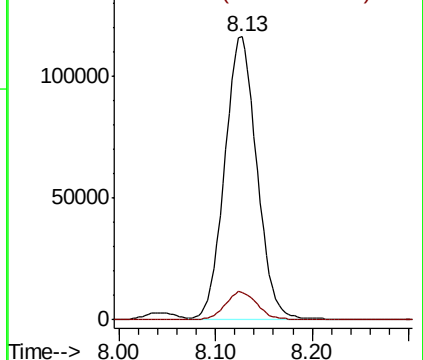


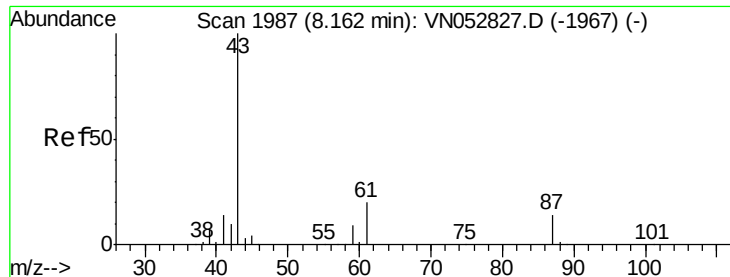
#42
1,2-Dichloroethane
Concen: 19.639 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

Tgt Ion: 62 Resp: 268421
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 17.605 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBSD01

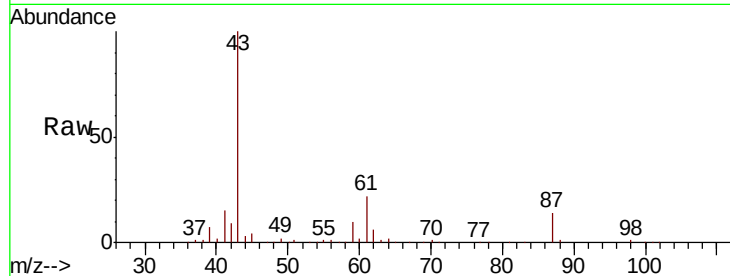
Tot Ion: 43 Resp: 327989

Ion Ratio Lower Upper

43 100

61 27.8 22.9 34.3

87 13.2 10.6 15.8

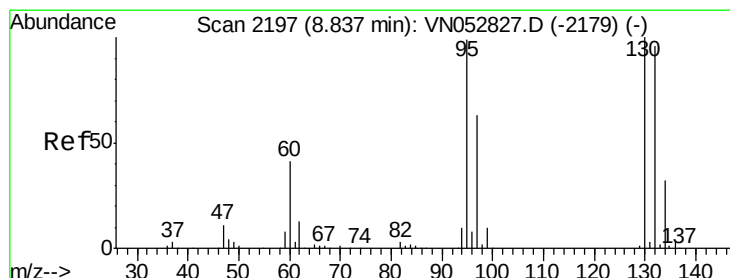
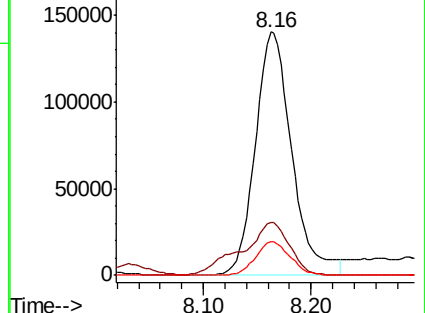
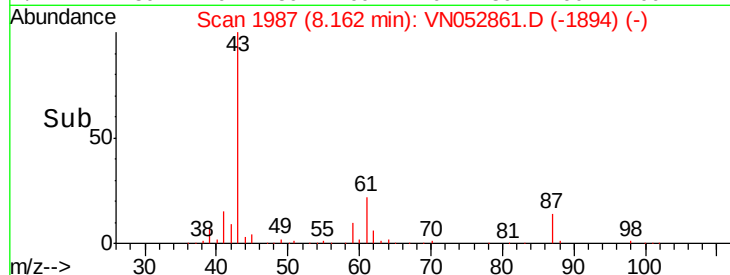


Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 19.796 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052861.D

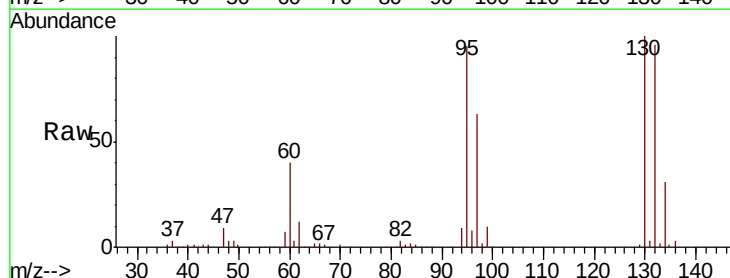
Acq: 13 Dec 2018 13:47

Tgt Ion:130 Resp: 242751

Ion Ratio Lower Upper

130 100

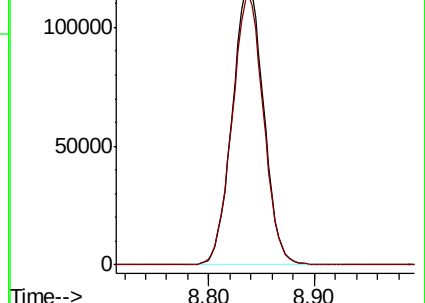
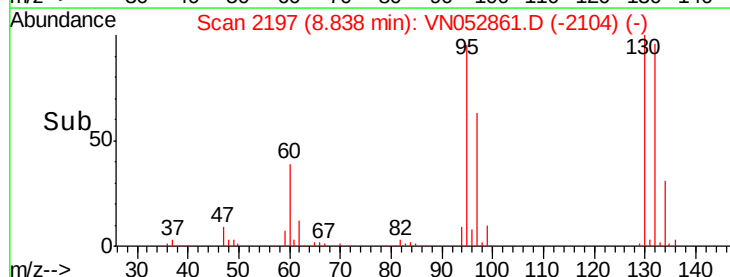
95 95.5 0.0 197.8

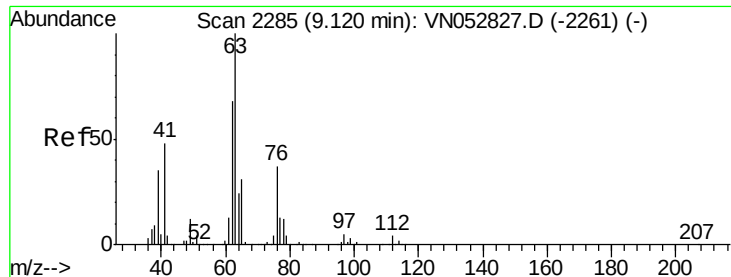


Abundance Ion 129.80 (129.50 to 130.50): VN052827.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052827.D (-2179) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 20.282 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

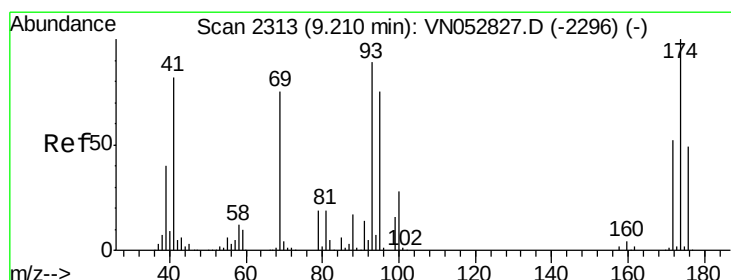
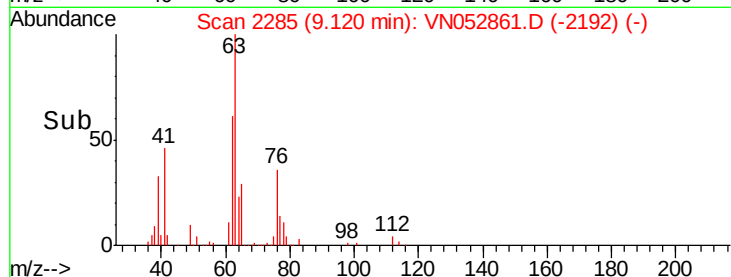
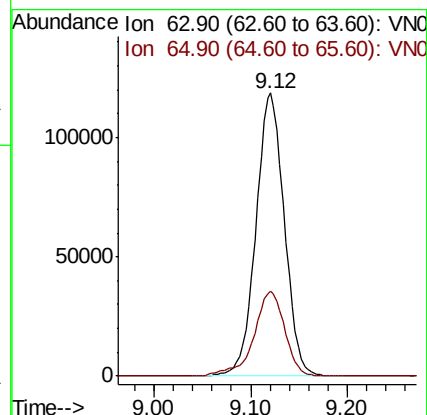
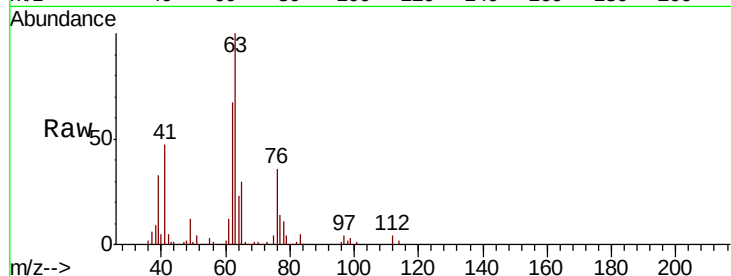
VN1213MBSD01

Tot Ion: 63 Resp: 241171

Ion Ratio Lower Upper

63 100

65 29.9 24.6 37.0



#46

Dibromomethane

Concen: 19.494 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

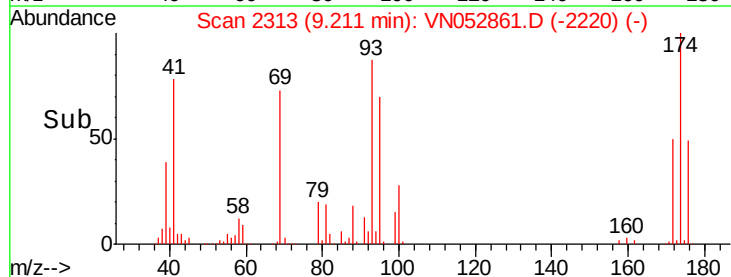
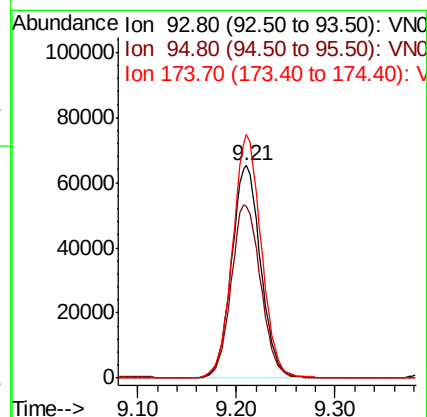
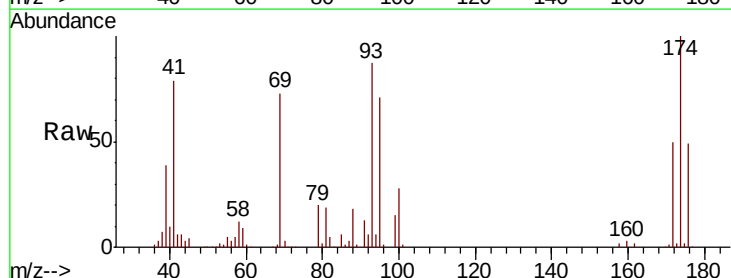
Tgt Ion: 93 Resp: 134436

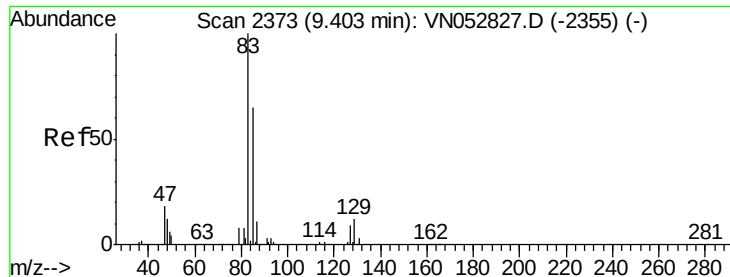
Ion Ratio Lower Upper

93 100

95 82.9 67.8 101.6

174 112.6 89.0 133.4





#47

Bromodichloromethane

Concen: 19.632 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBSD01

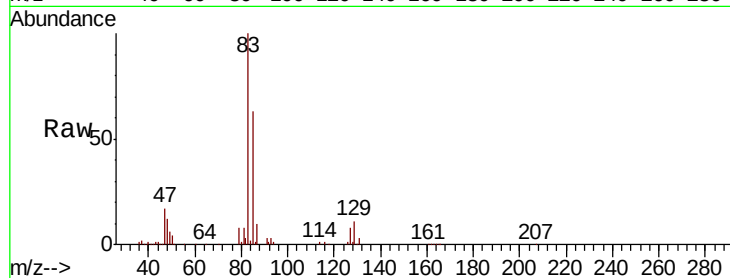
Tot Ion: 83 Resp: 280745

Ion Ratio Lower Upper

83 100

85 63.4 51.6 77.4

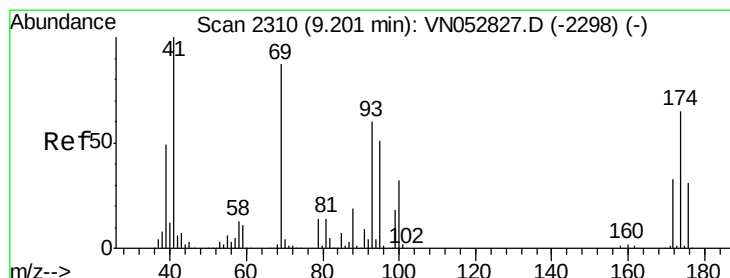
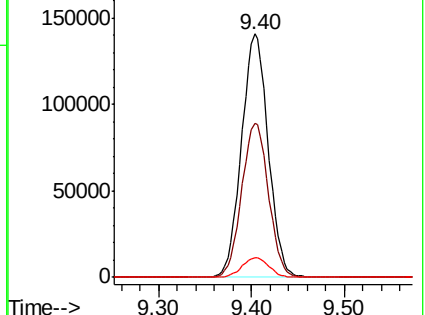
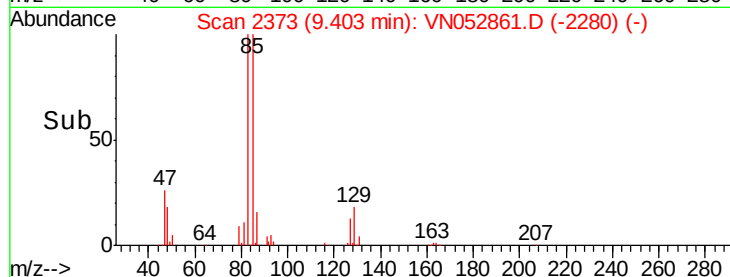
127 8.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052861.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052861.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052861.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.184 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

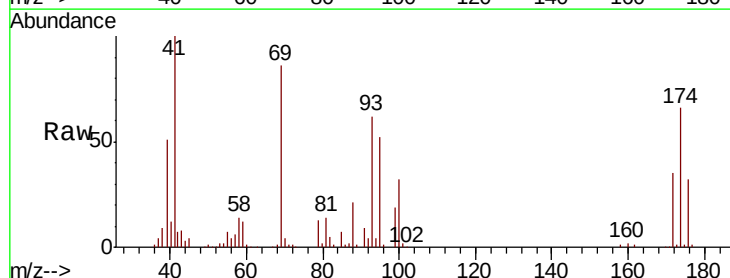
Tgt Ion: 41 Resp: 156739

Ion Ratio Lower Upper

41 100

69 93.2 72.2 108.2

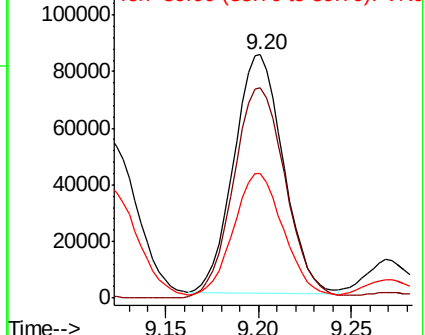
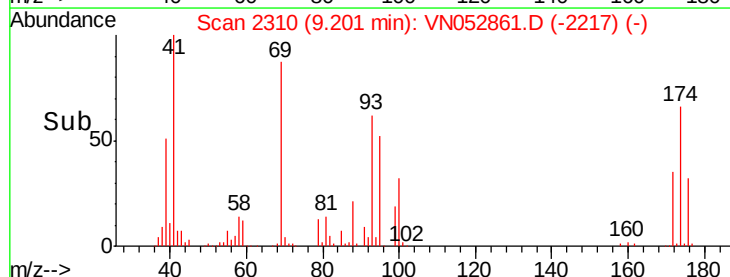
39 53.2 41.9 62.9

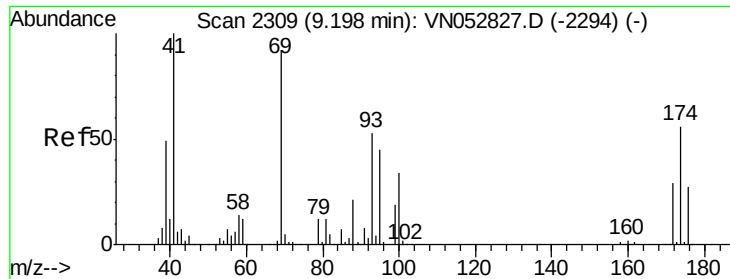


Abundance Ion 41.00 (40.70 to 41.70): VN052861.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN052861.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN052861.D (-2217) (-)





#49

1,4-Dioxane

Concen: 391.646 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBSD01

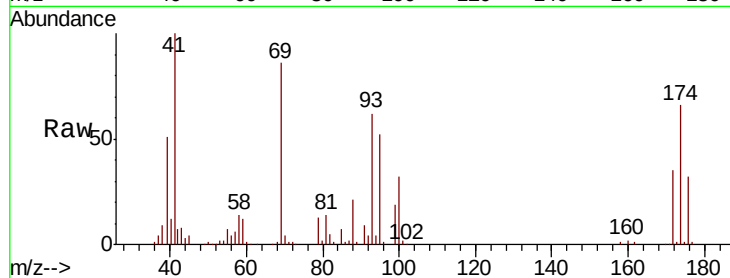
Tot Ion: 88 Resp: 36321

Ion Ratio Lower Upper

88 100

43 29.9 26.6 40.0

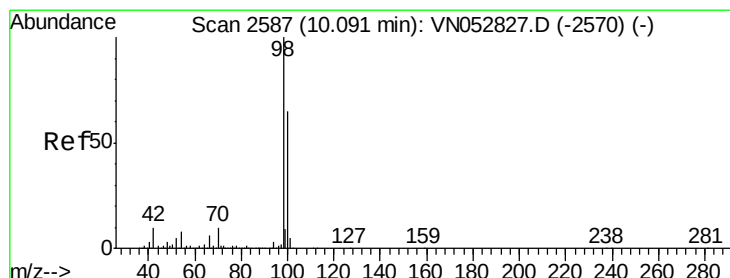
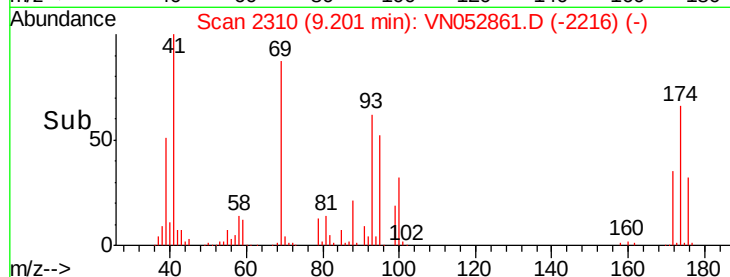
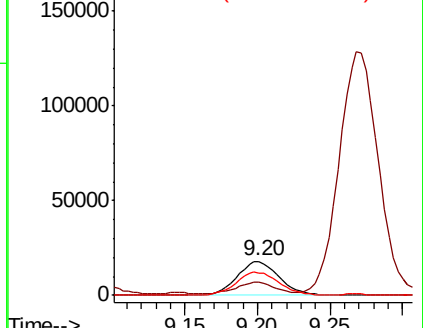
58 69.9 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VN052861.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN052861.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN052861.D (-2216) (-)



#50

Toluene-d8

Concen: 391.646 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052861.D

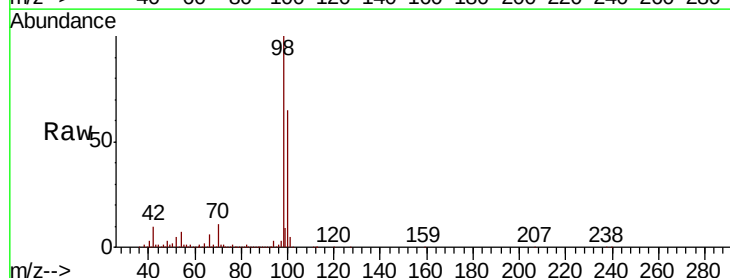
Acq: 13 Dec 2018 13:47

Tgt Ion: 98 Resp: 2005935

Ion Ratio Lower Upper

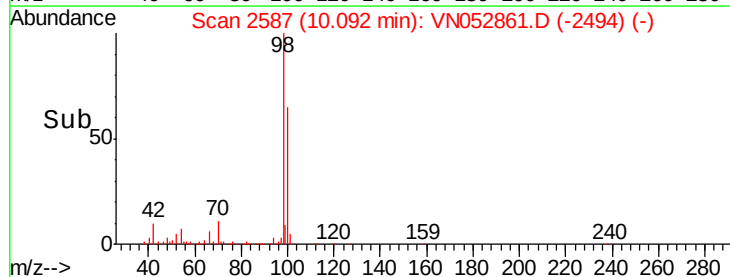
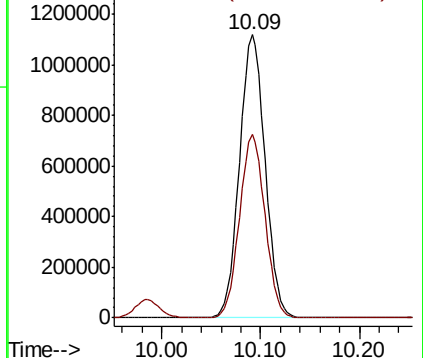
98 100

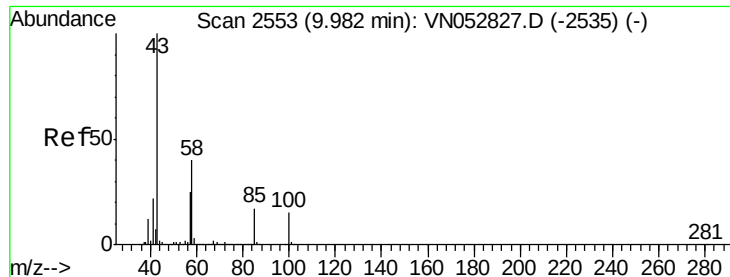
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052861.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN052861.D (-2494) (-)

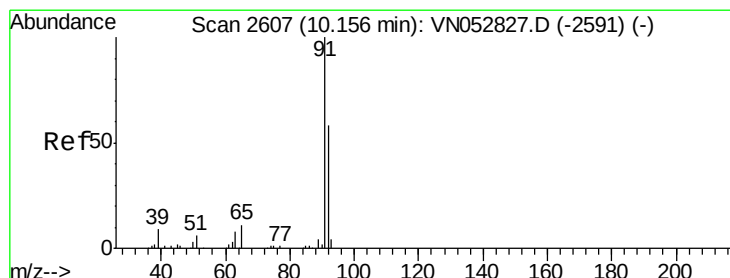
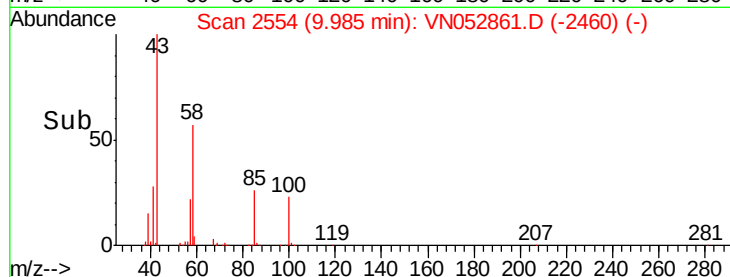
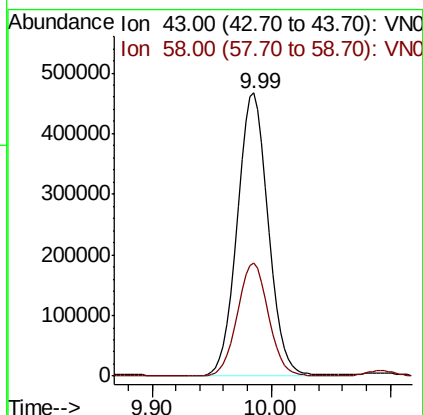
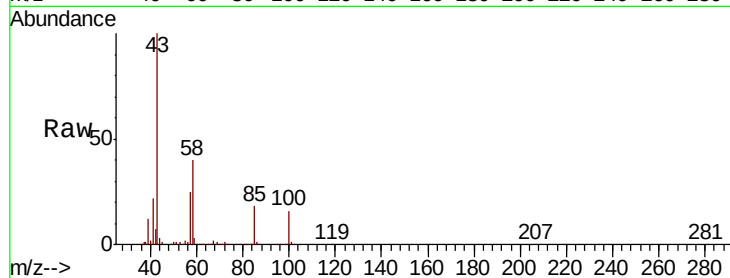




#51
 4-Methyl-2-Pentanone
 Concen: 98.475 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

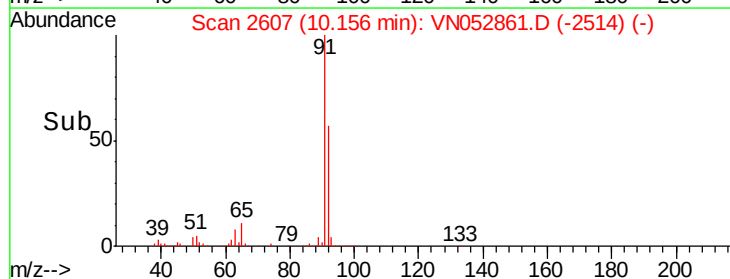
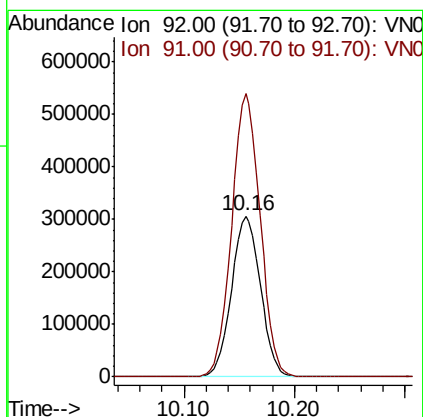
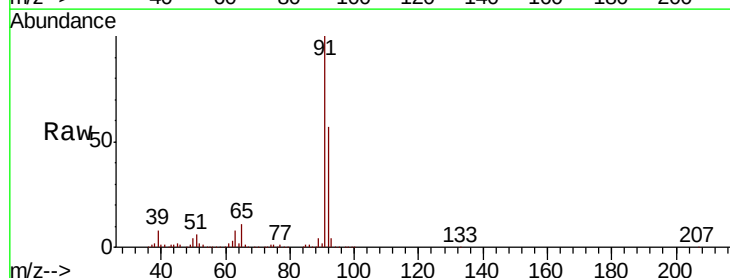
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1213MBSD01

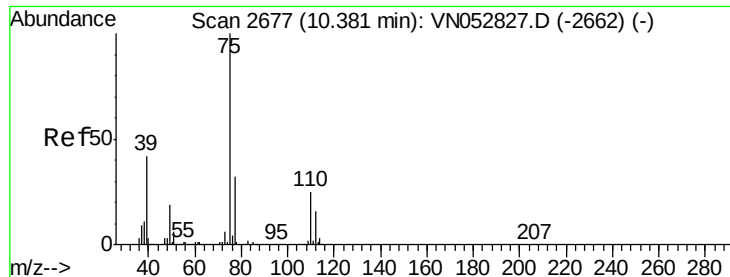
Tot Ion: 43 Resp: 841256
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.2 48.4



#52
 Toluene
 Concen: 20.189 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

Tgt Ion: 92 Resp: 555132
 Ion Ratio Lower Upper
 92 100
 91 173.7 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.885 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

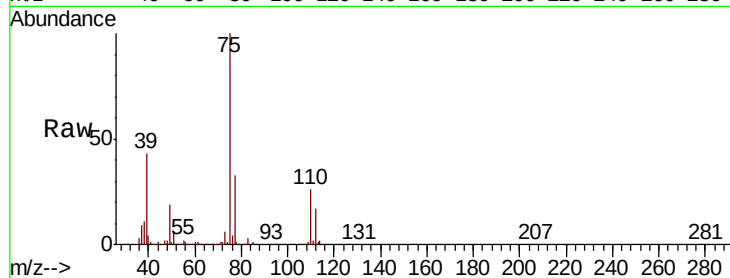
VN1213MBS01

Tot Ion: 75 Resp: 271758

Ion Ratio Lower Upper

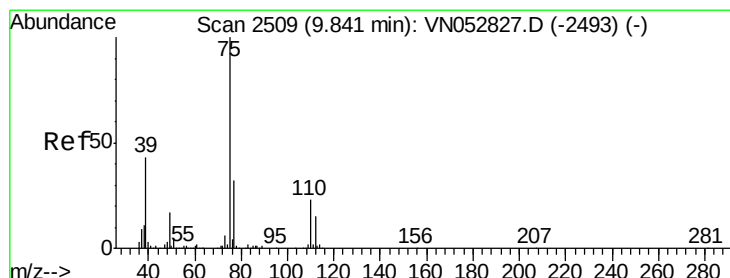
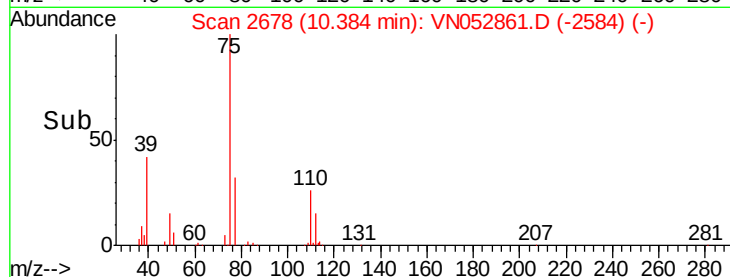
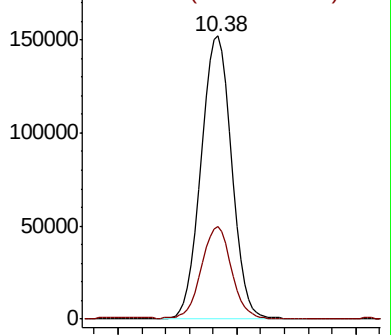
75 100

77 32.7 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.308 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

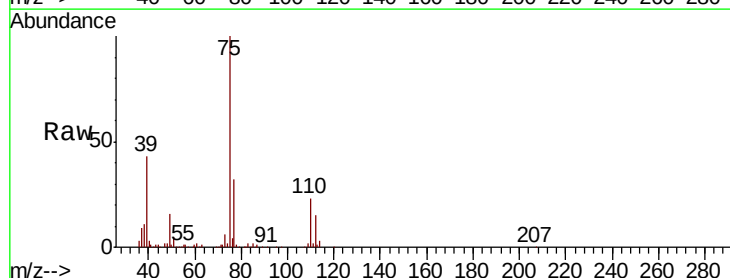
Tgt Ion: 75 Resp: 331101

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

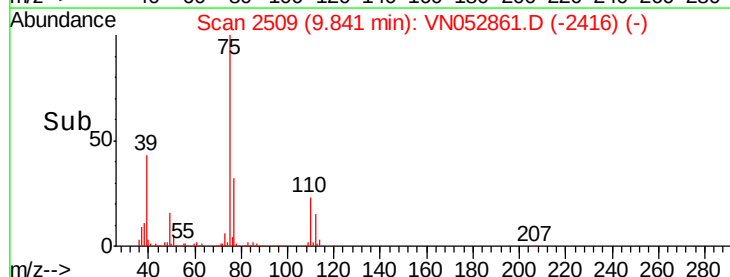
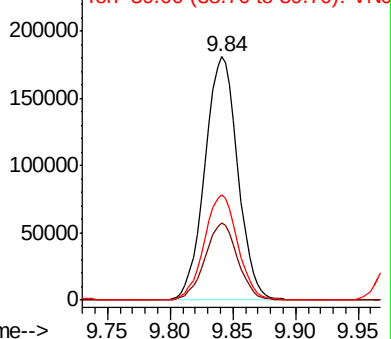
39 43.1 34.8 52.2

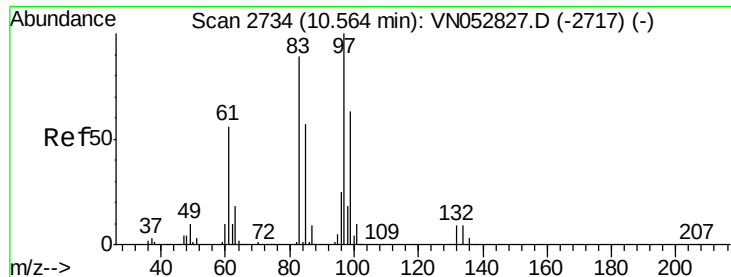


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



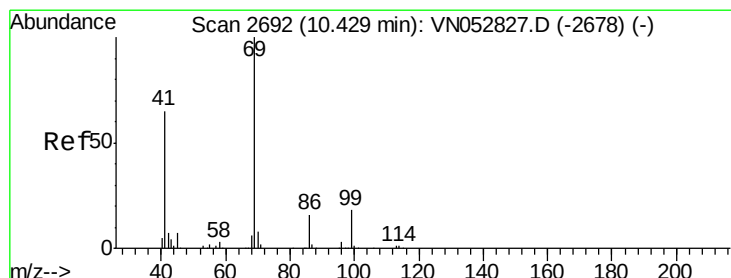
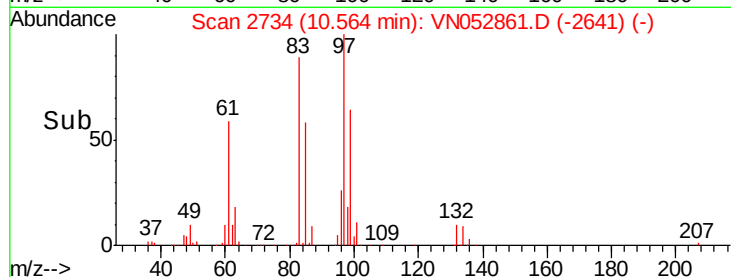
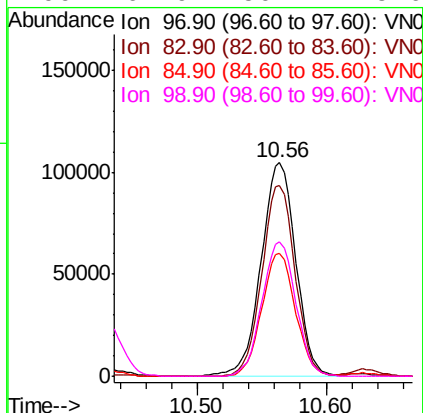
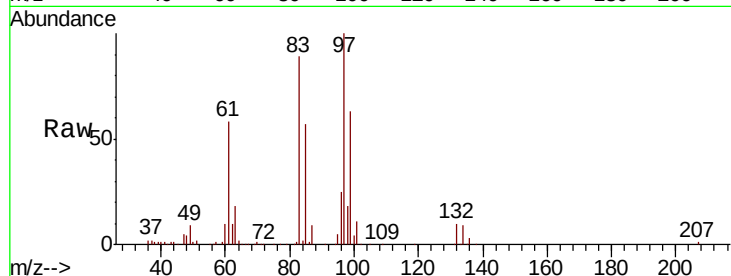


#55
 1,1,2-Trichloroethane
 Concen: 19.990 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBSD01

Tot Ion: 97 Resp: 196214

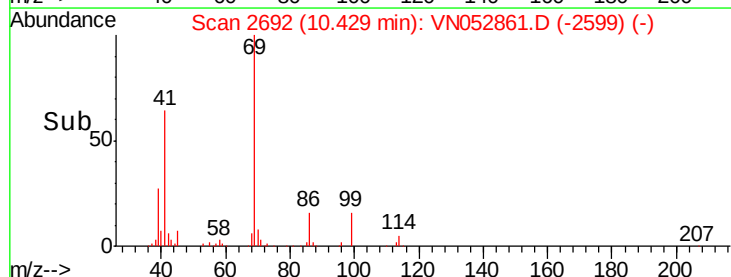
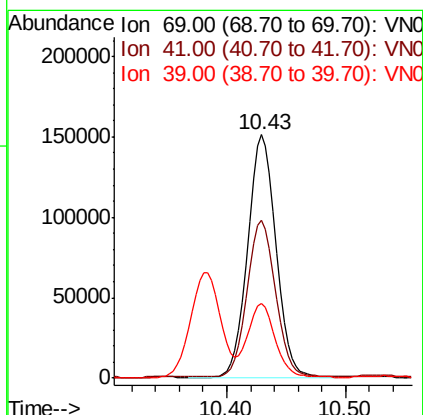
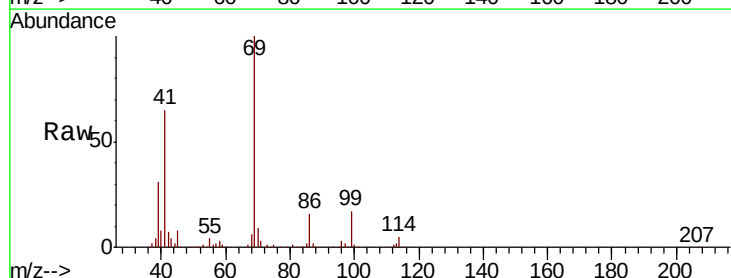
Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.9	106.3
85	57.3	45.4	68.2
99	62.9	50.4	75.6

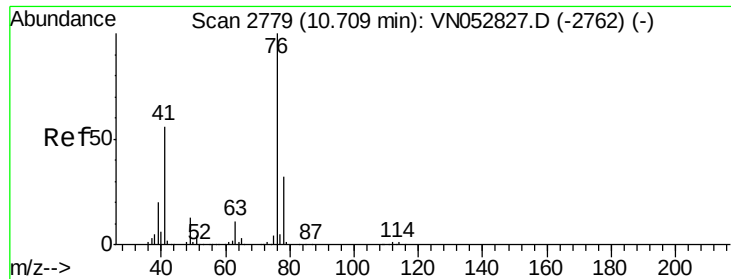


#56
 Ethyl methacrylate
 Concen: 19.767 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

Tgt Ion: 69 Resp: 248996

Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.7	77.5
39	29.7	24.6	37.0

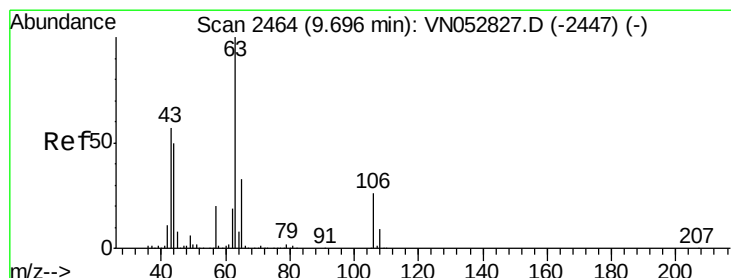
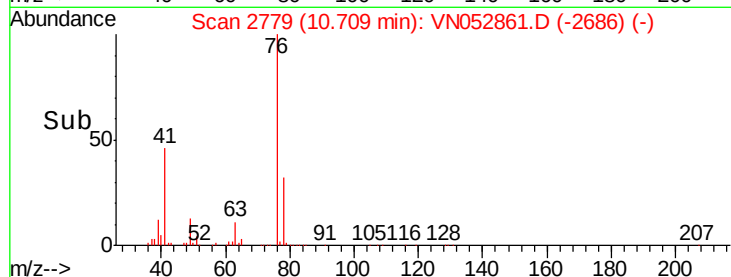
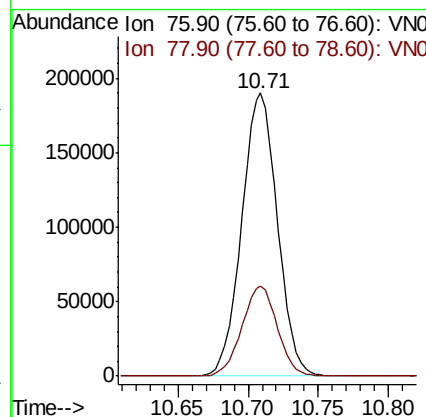
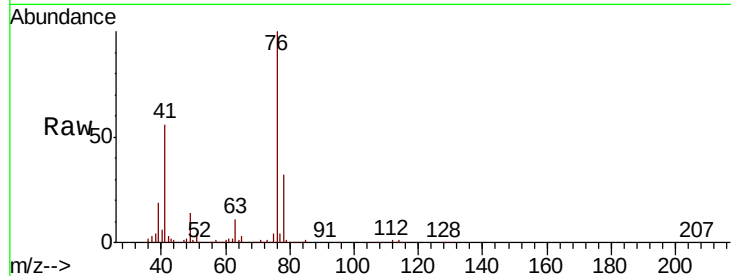




#57
 1,3-Dichloropropane
 Concen: 19.995 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

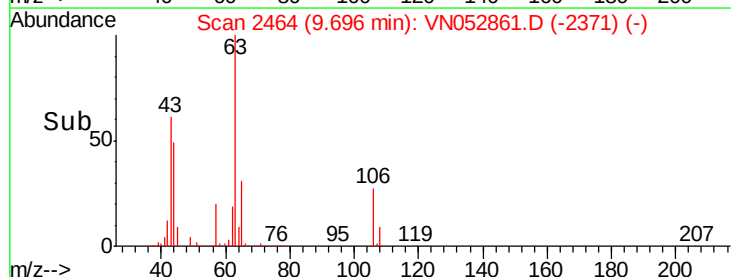
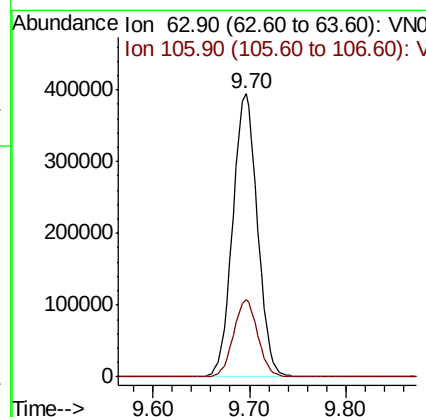
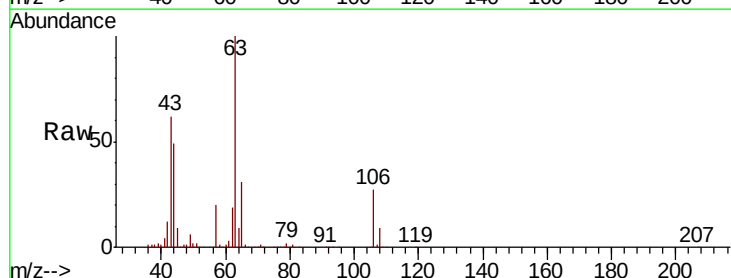
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBSD01

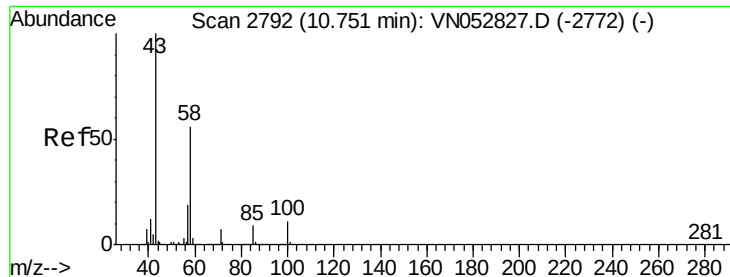
Tot Ion: 76 Resp: 336549
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.639 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

Tgt Ion: 63 Resp: 700321
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.0 31.6

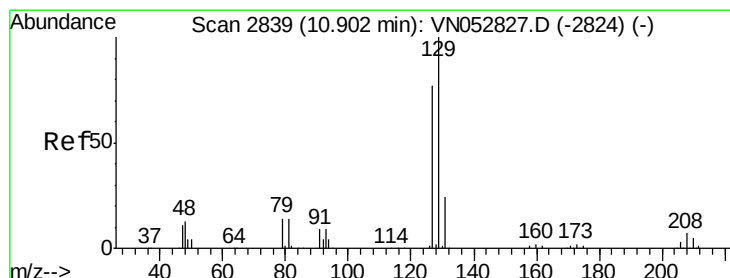
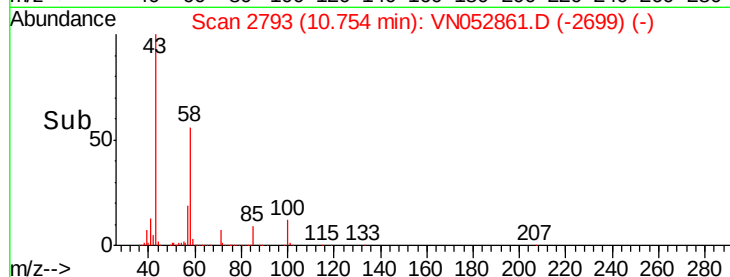
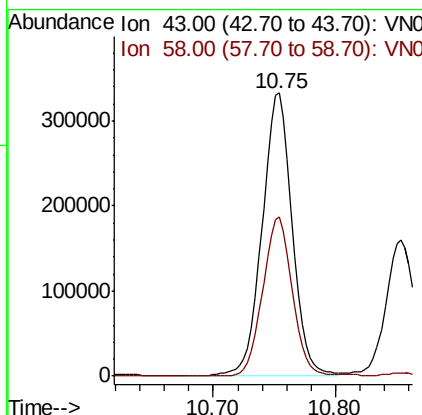
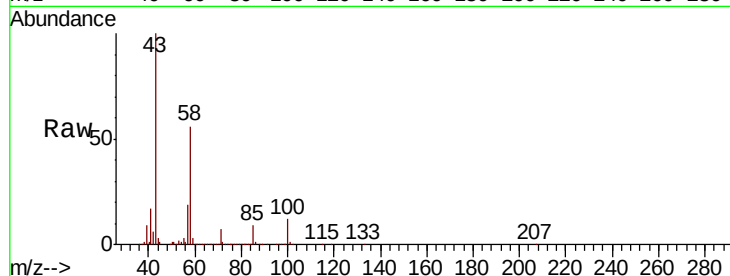




#59
2-Hexanone
Concen: 96.912 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

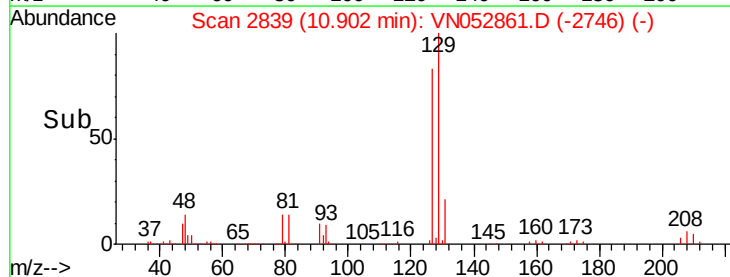
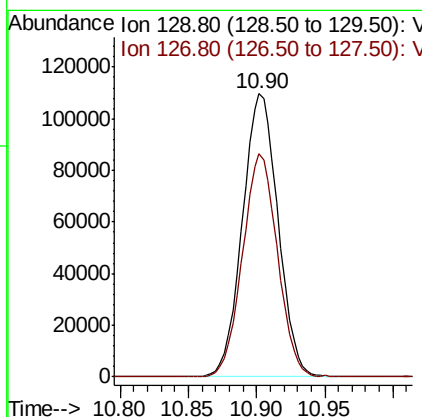
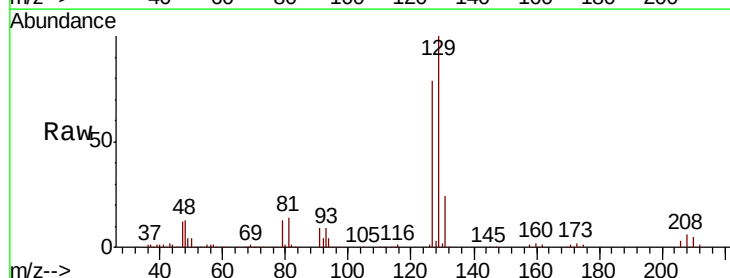
Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

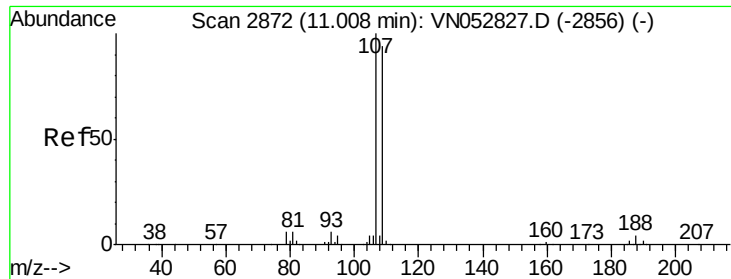
Tot Ion: 43 Resp: 567380
Ion Ratio Lower Upper
43 100
58 55.8 28.1 84.3



#60
Dibromochloromethane
Concen: 18.730 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

Tgt Ion: 129 Resp: 198688
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0

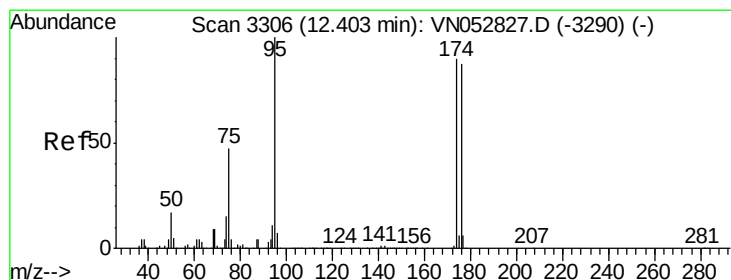
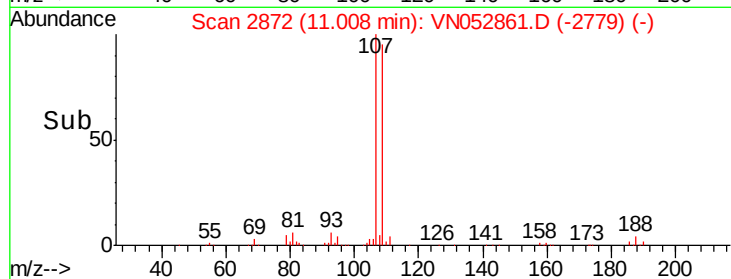
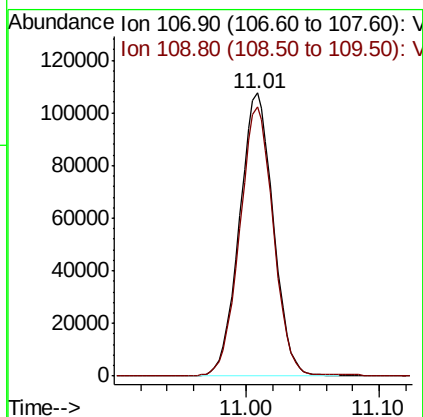
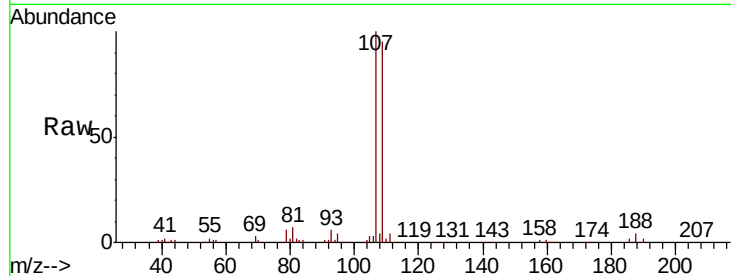




#61
 1,2-Dibromoethane
 Concen: 19.596 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

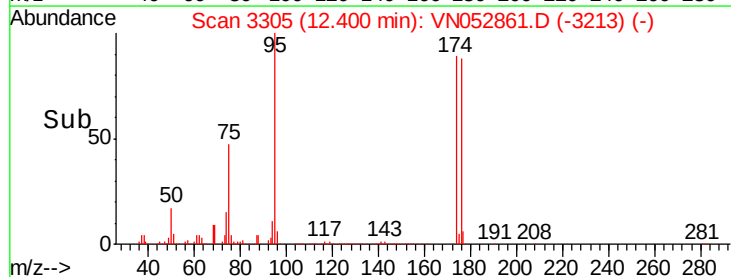
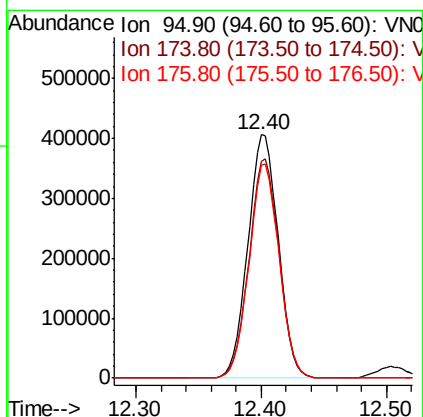
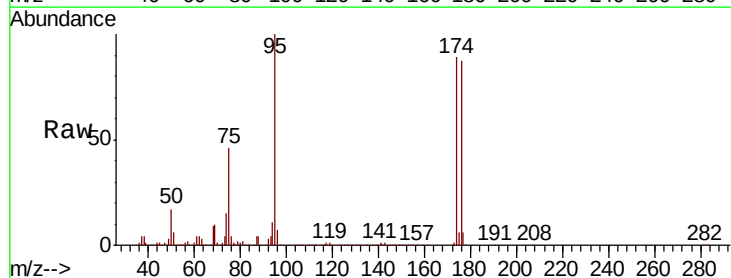
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBSD01

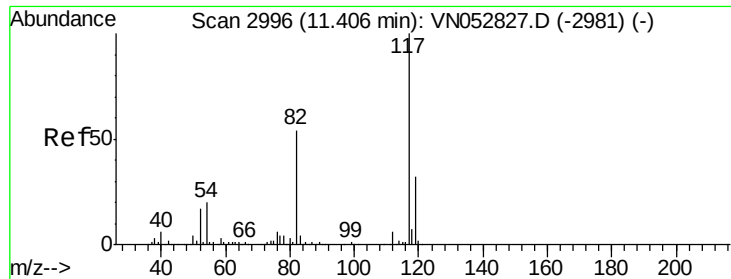
Tot Ion: 107 Resp: 190121
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 19.596 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

Tgt Ion: 95 Resp: 682910
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 178.8
 176 87.2 0.0 173.8

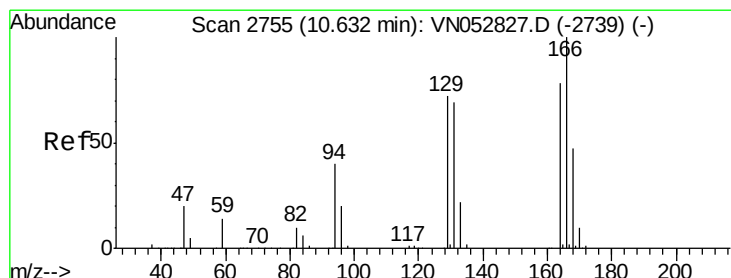
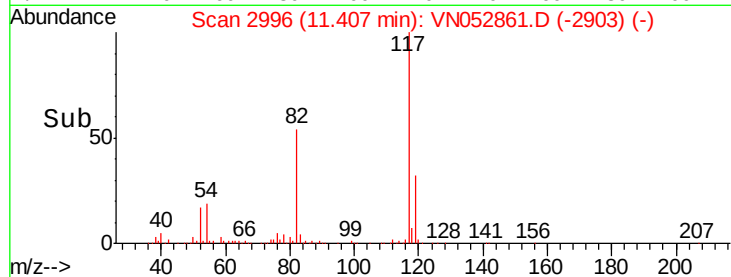
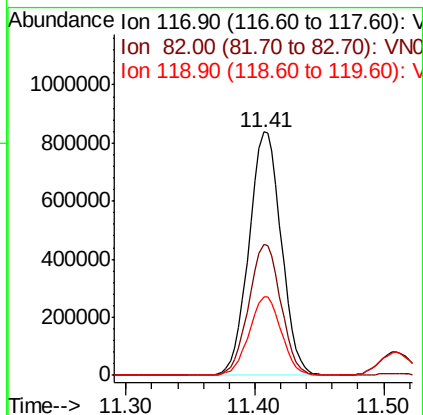
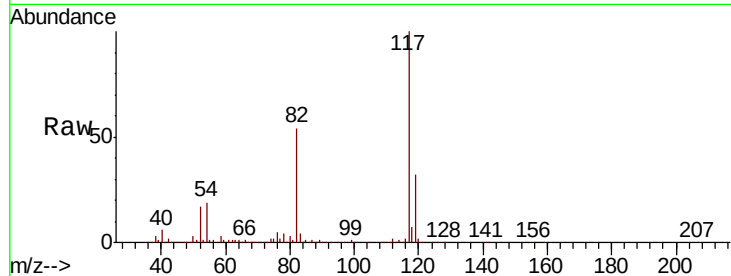




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

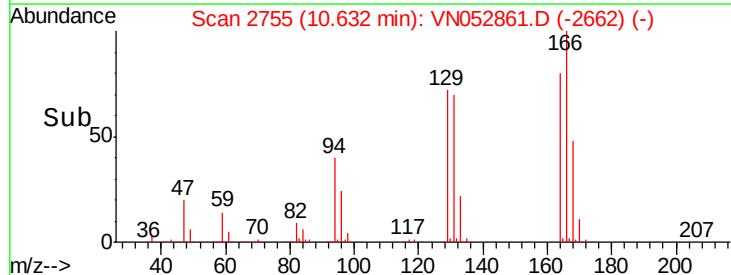
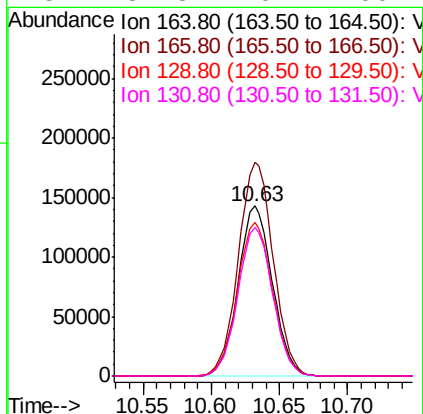
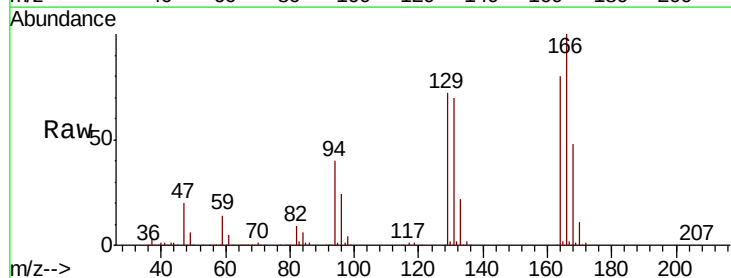
Instrument :
MSVOA_N
ClientSampleId :
VN1213MBSD01

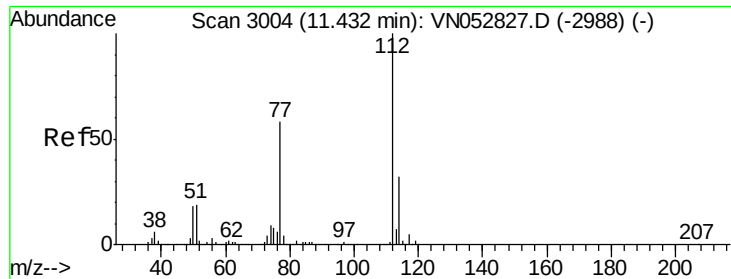
Tot Ion:117 Resp: 1465450
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 19.840 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

Tgt Ion:164 Resp: 249891
Ion Ratio Lower Upper
164 100
166 125.5 102.9 154.3
129 90.0 73.7 110.5
131 87.3 70.7 106.1

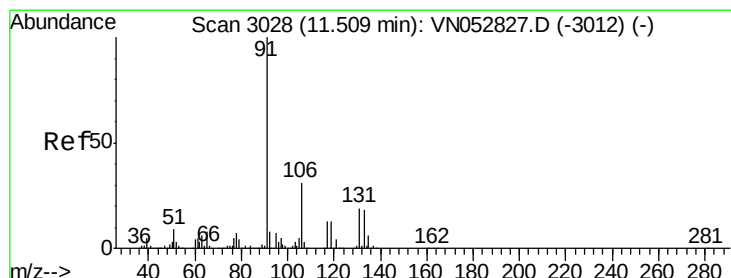
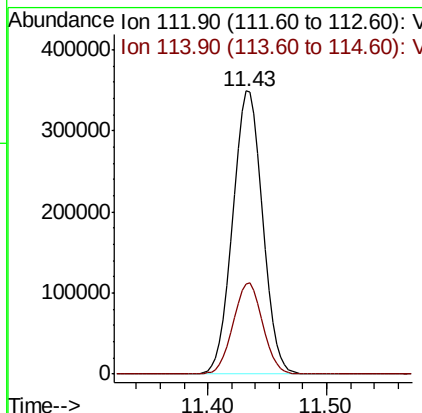
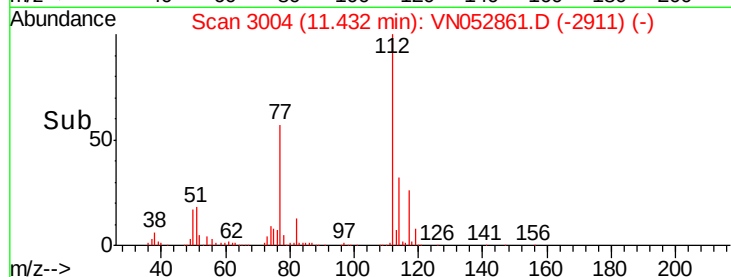
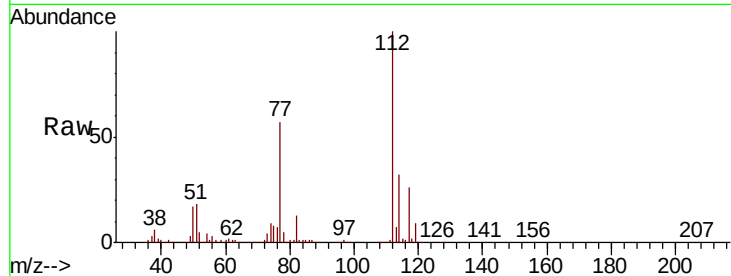




#65
Chlorobenzene
Concen: 19.986 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

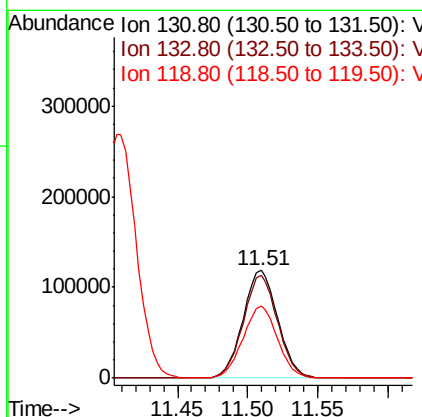
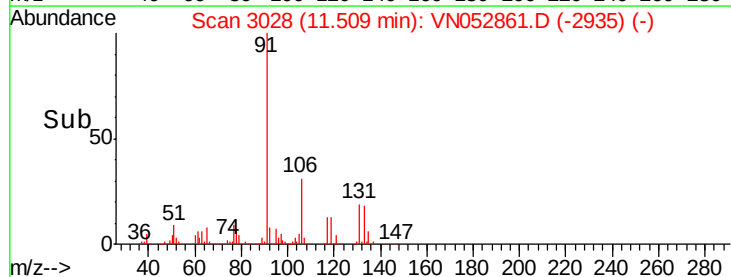
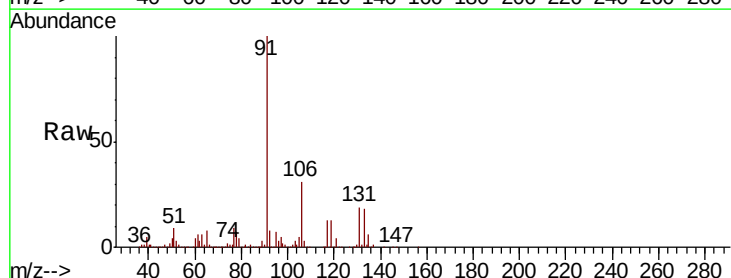
Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

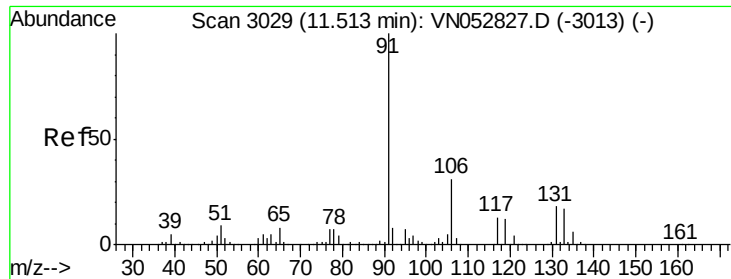
Tot Ion:112 Resp: 607633
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.442 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

Tgt Ion:131 Resp: 205579
Ion Ratio Lower Upper
131 100
133 94.4 47.6 142.9
119 66.0 33.3 99.8

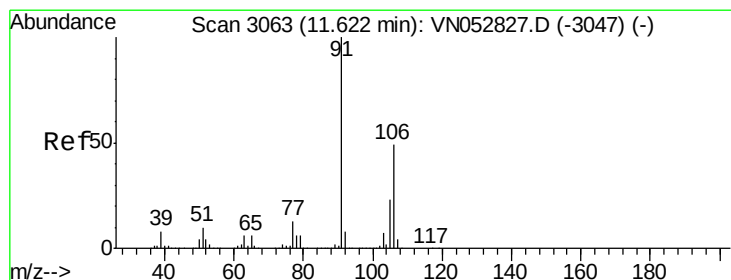
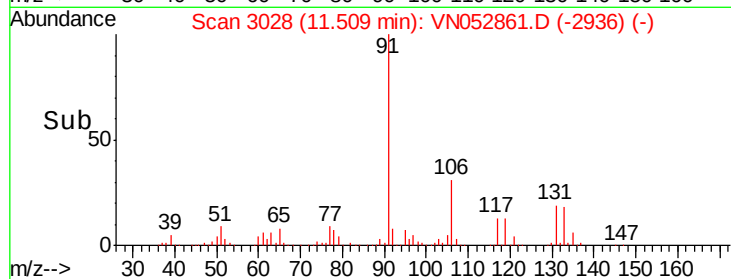
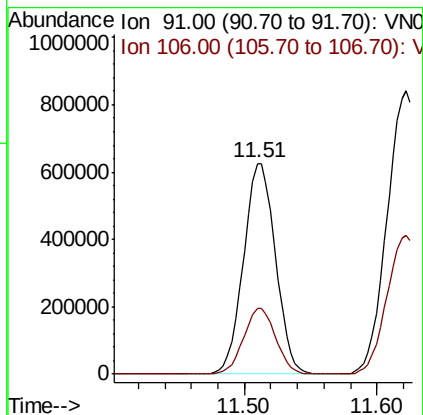
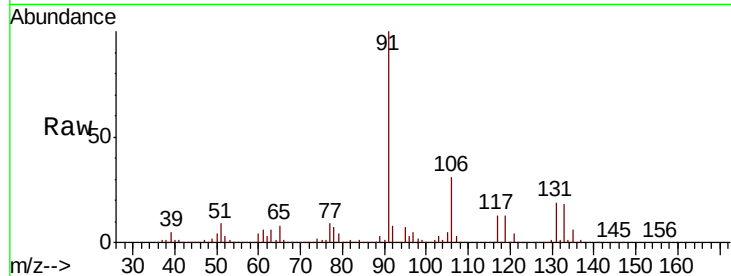




#67
Ethyl Benzene
Concen: 20.067 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

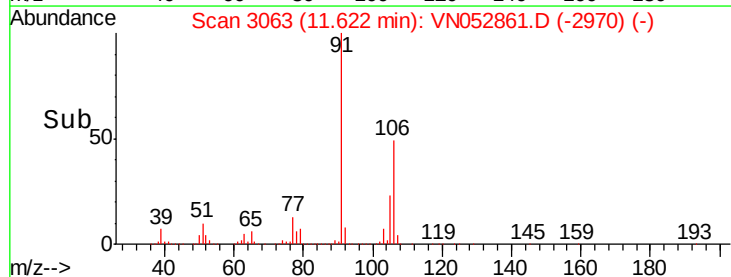
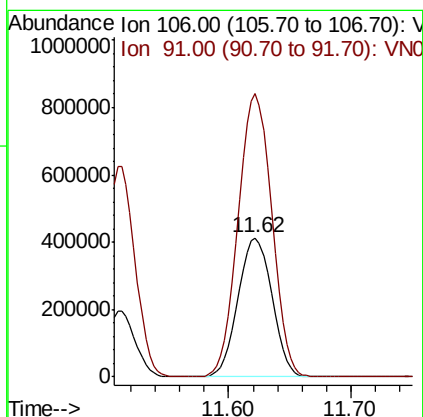
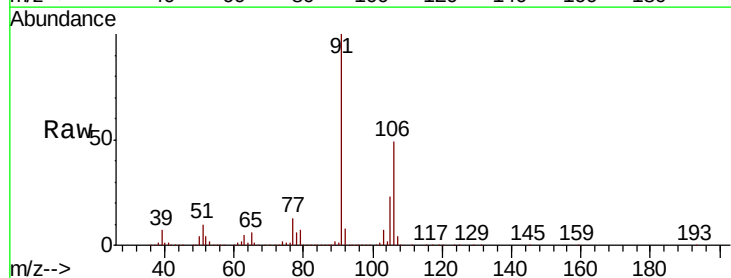
Instrument :
MSVOA_N
ClientSampleId :
VN1213MBSD01

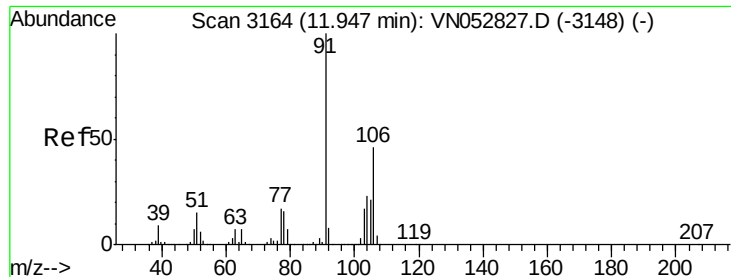
Tot Ion: 91 Resp: 1047694
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 40.461 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

Tgt Ion: 106 Resp: 793225
Ion Ratio Lower Upper
106 100
91 202.1 162.2 243.4

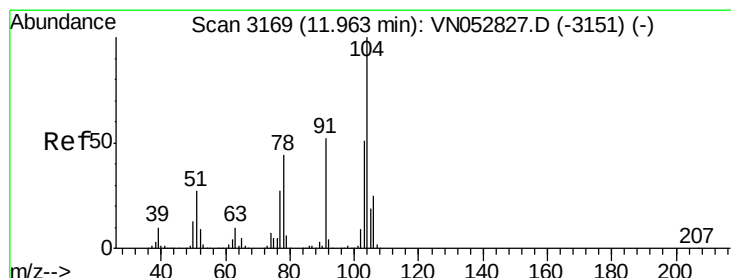
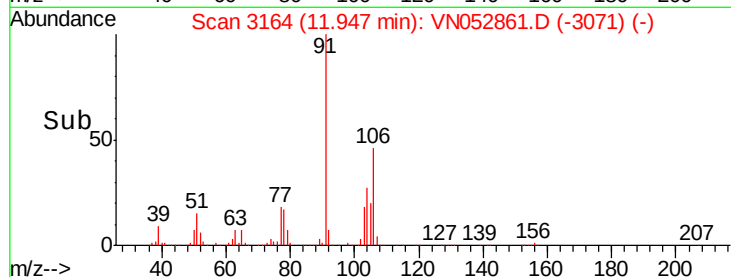
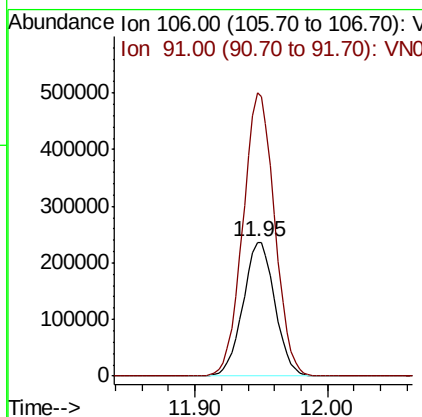
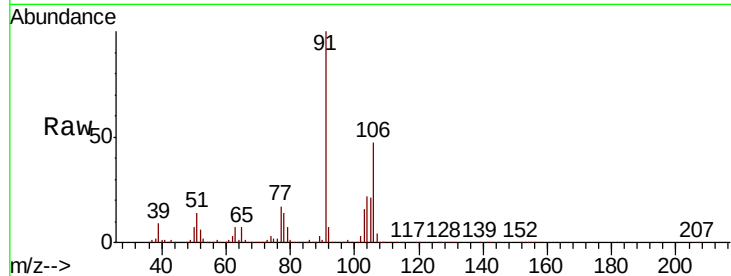




#69
o-Xylene
Concen: 20.546 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

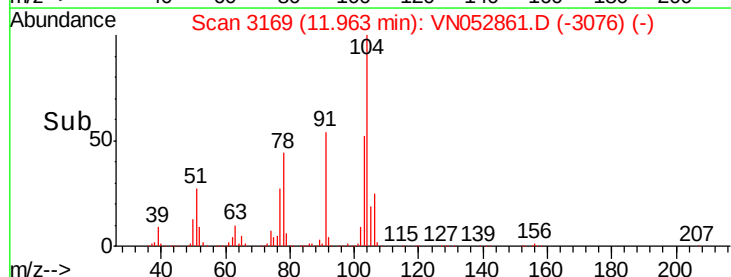
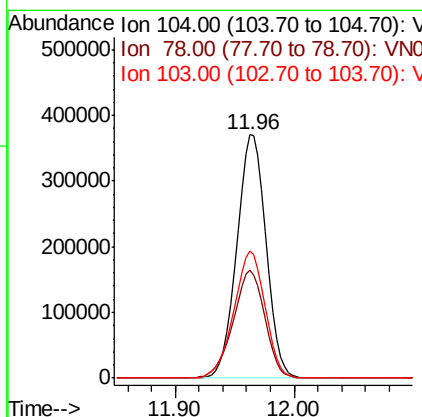
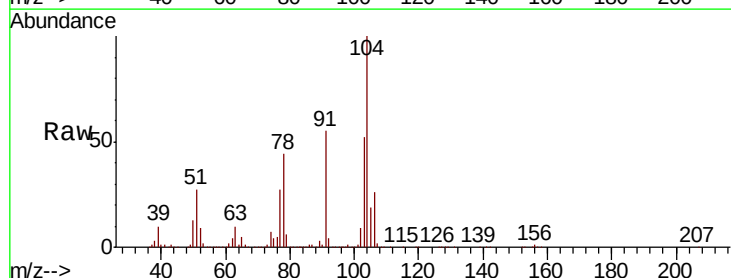
Instrument :
MSVOA_N
ClientSampleId :
VN1213MBSD01

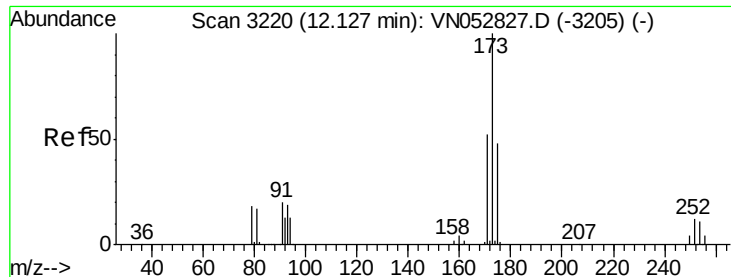
Tot Ion:106 Resp: 393322
Ion Ratio Lower Upper
106 100
91 209.9 106.6 319.8



#70
Styrene
Concen: 20.490 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

Tgt Ion:104 Resp: 630564
Ion Ratio Lower Upper
104 100
78 48.1 38.9 58.3
103 55.8 44.3 66.5





#71

Bromoform

Concen: 18.069 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

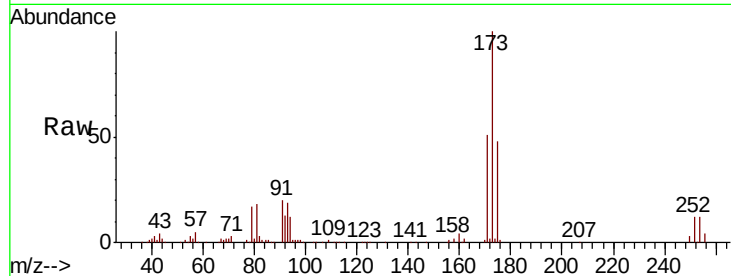
Tot Ion:173 Resp: 129798

Ion Ratio Lower Upper

173 100

175 47.6 24.3 72.9

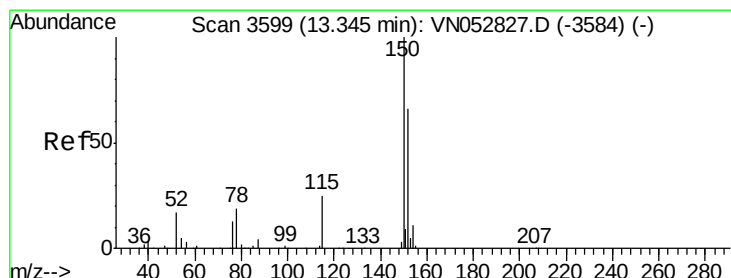
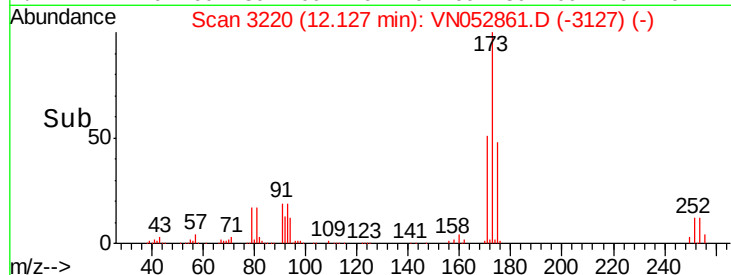
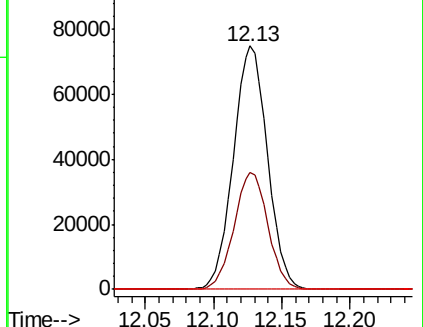
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

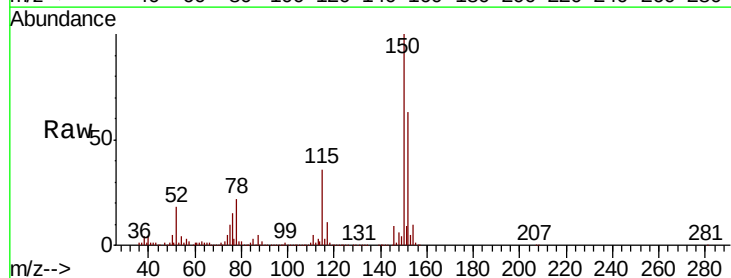
Tgt Ion:152 Resp: 680843

Ion Ratio Lower Upper

152 100

115 56.2 28.3 85.0

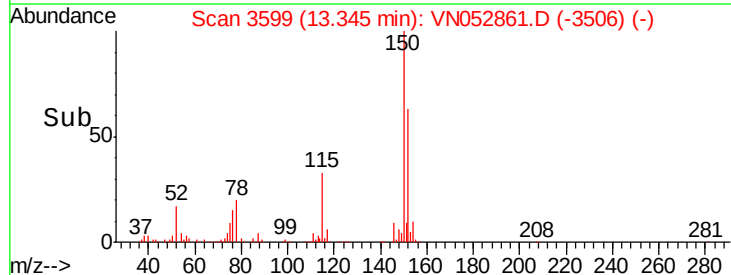
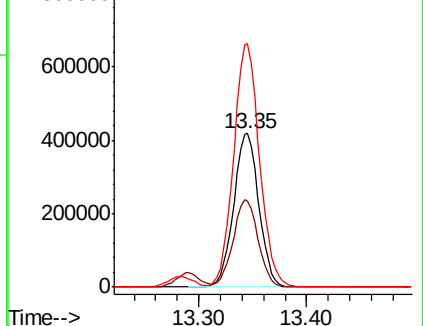
150 163.4 0.0 347.8

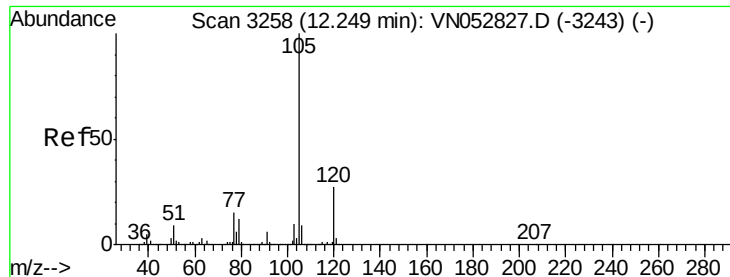


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.302 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

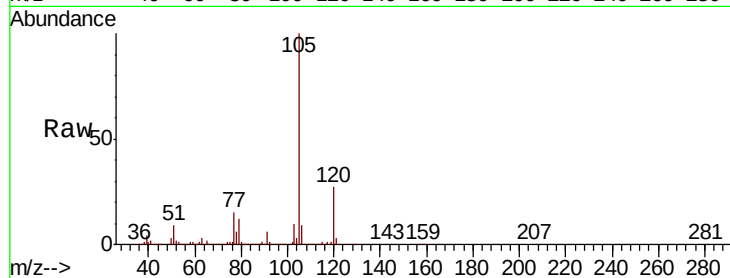
VN1213MBSD01

Tot Ion:105 Resp: 1032039

Ion Ratio Lower Upper

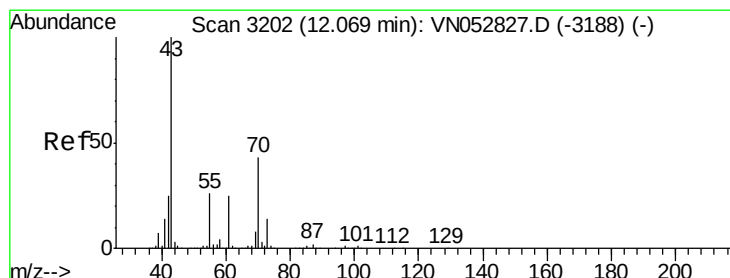
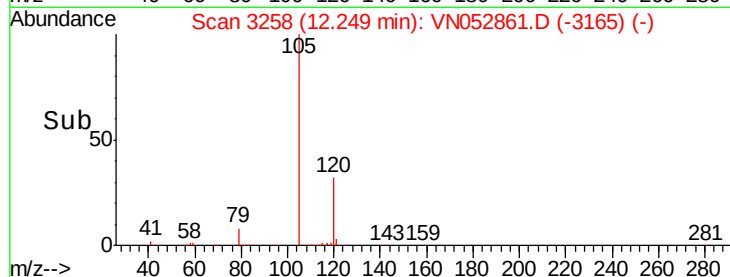
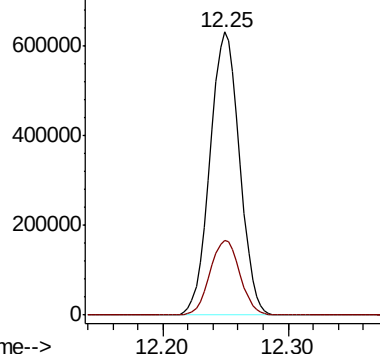
105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.830 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Tgt Ion: 43 Resp: 276749

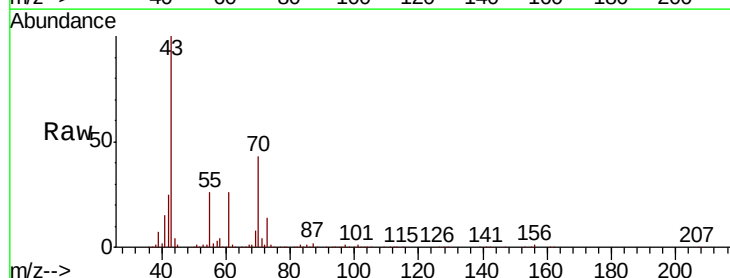
Ion Ratio Lower Upper

43 100

70 43.0 34.2 51.4

55 25.1 20.3 30.5

61 24.8 20.0 30.0

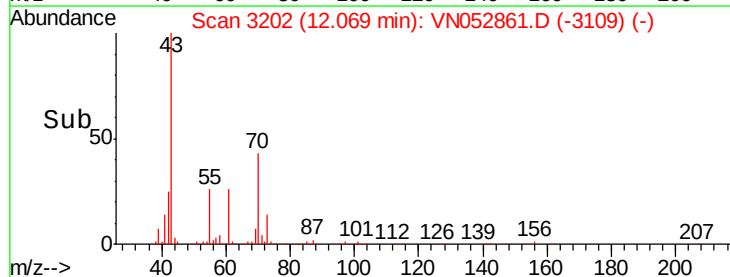
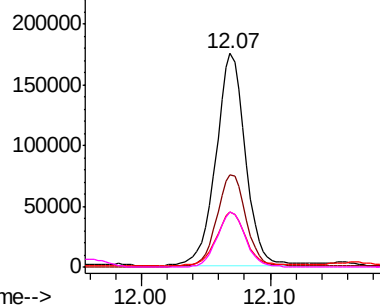


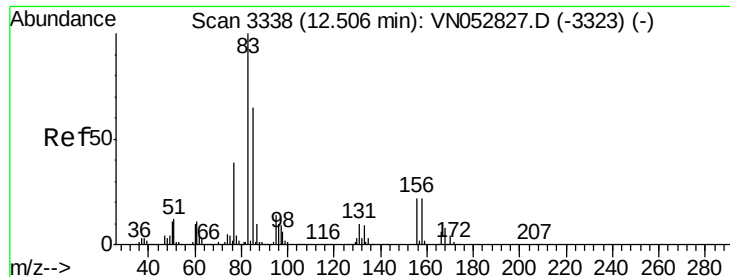
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.017 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

VN1213MBSD01

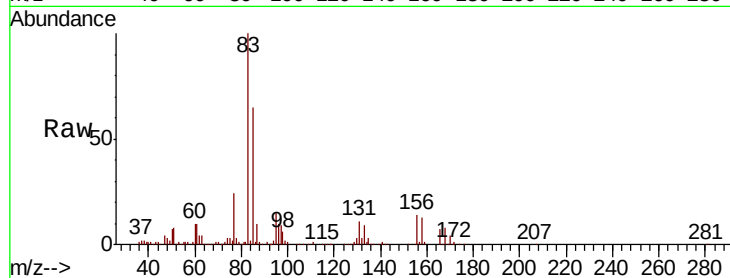
Tot Ion: 83 Resp: 216657

Ion Ratio Lower Upper

83 100

131 11.4 5.2 15.6

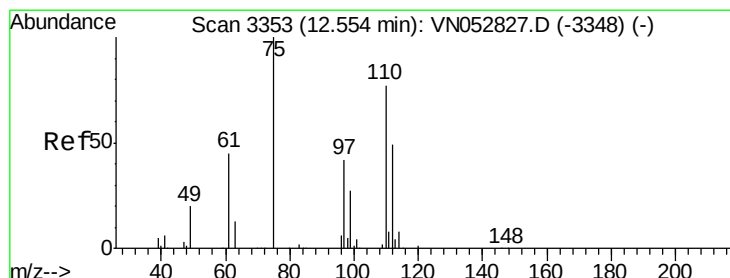
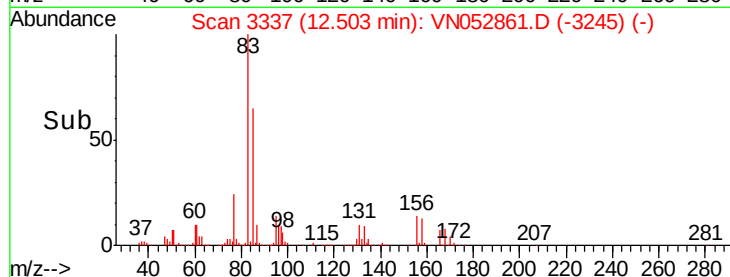
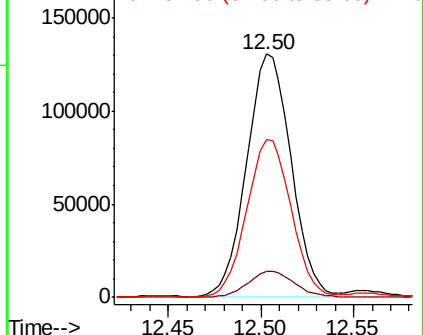
85 64.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.809 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052861.D

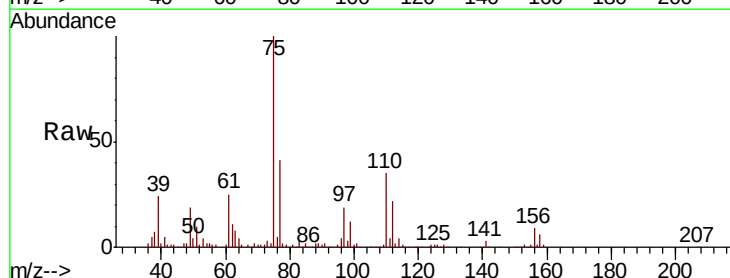
Acq: 13 Dec 2018 13:47

Tgt Ion: 75 Resp: 279348

Ion Ratio Lower Upper

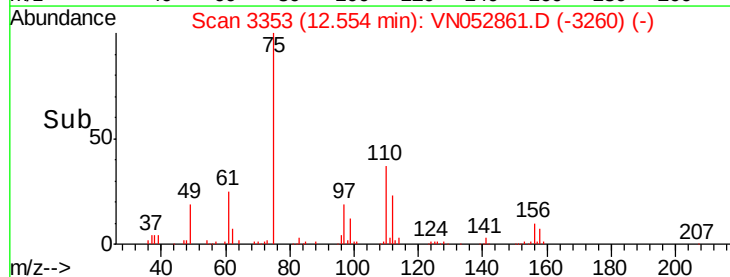
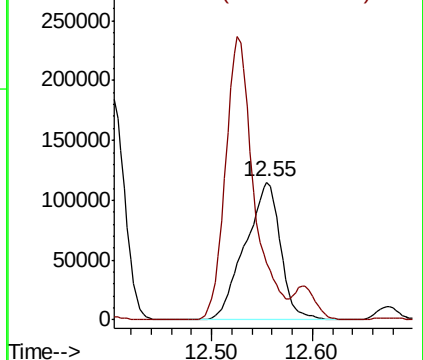
75 100

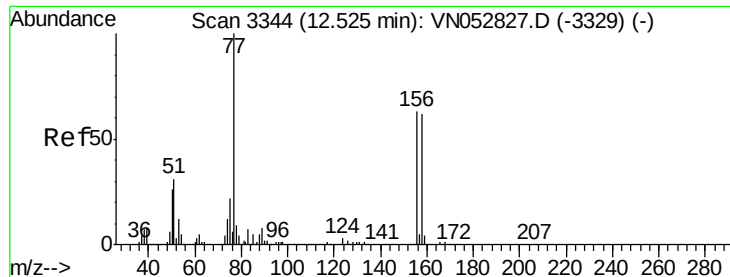
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.997 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBSD01

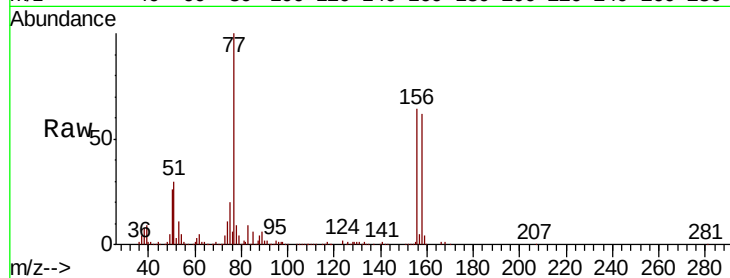
Tot Ion:156 Resp: 284407

Ion Ratio Lower Upper

156 100

77 164.4 91.3 273.8

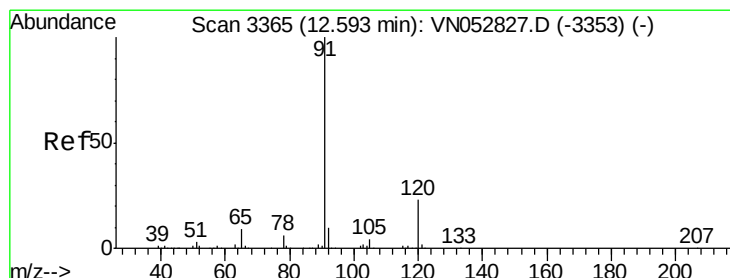
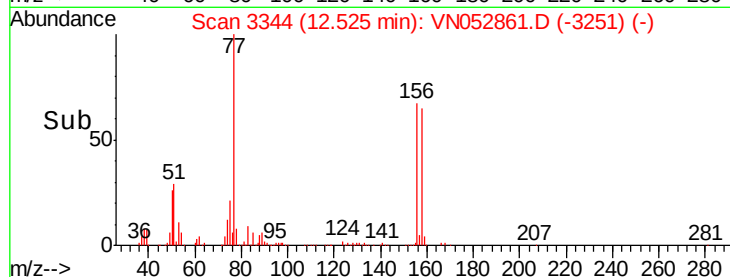
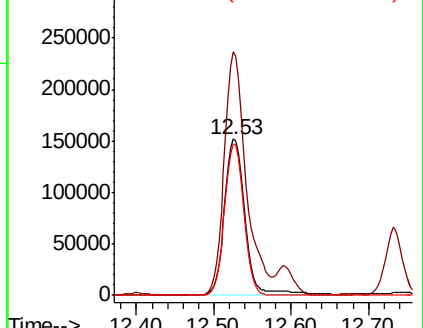
158 89.2 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.229 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052861.D

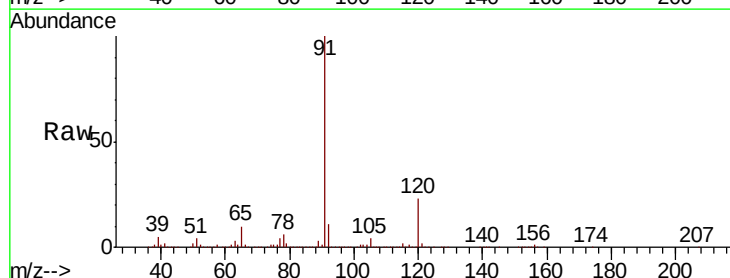
Acq: 13 Dec 2018 13:47

Tgt Ion: 91 Resp: 1172799

Ion Ratio Lower Upper

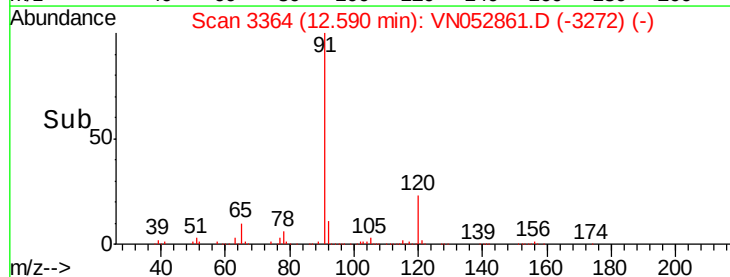
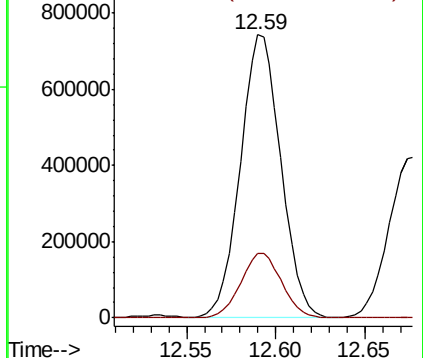
91 100

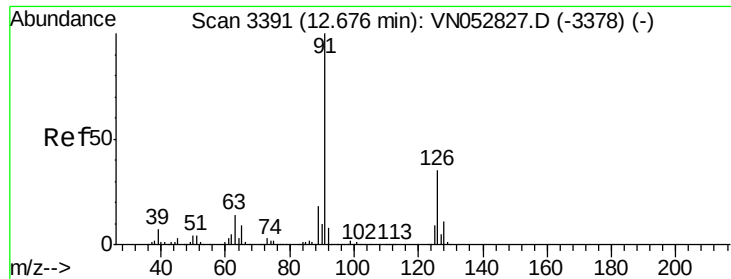
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.098 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

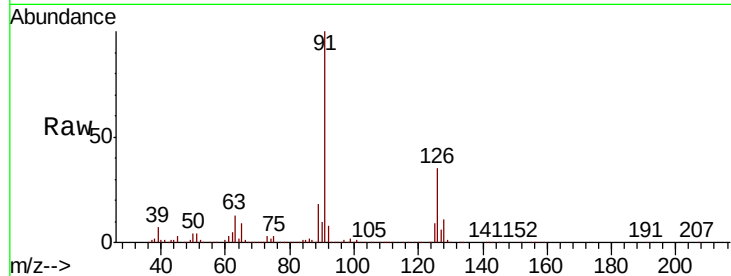
VN1213MBSD01

Tot Ion: 91 Resp: 688836

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052827.D (-3378) (-)

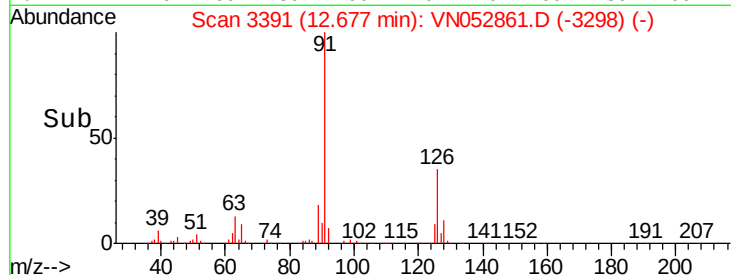
600000

400000

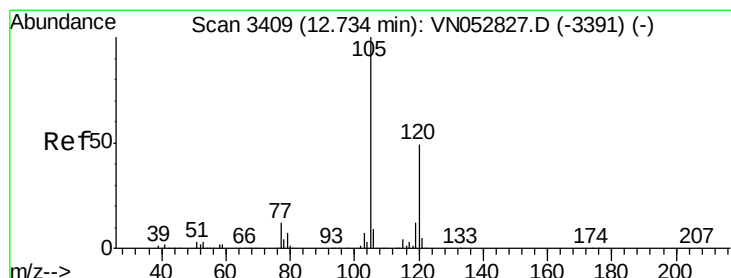
200000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.197 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052861.D

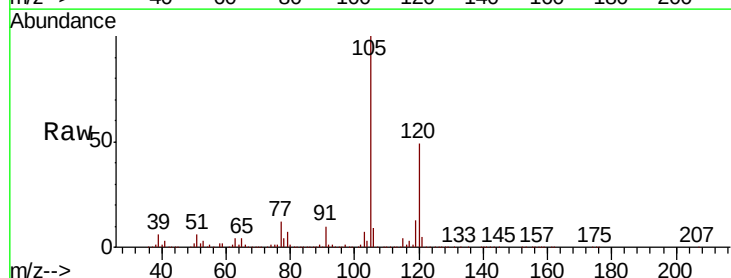
Acq: 13 Dec 2018 13:47

Tgt Ion: 105 Resp: 828812

Ion Ratio Lower Upper

105 100

120 49.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052827.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052827.D (-3391) (-)

600000

500000

400000

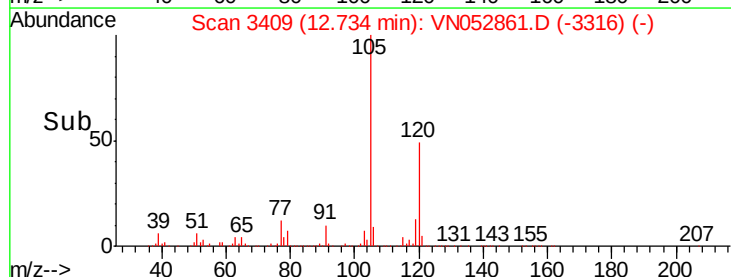
300000

200000

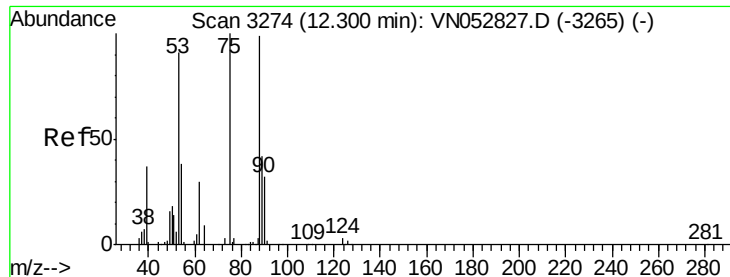
100000

0

12.70 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 17.152 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBSD01

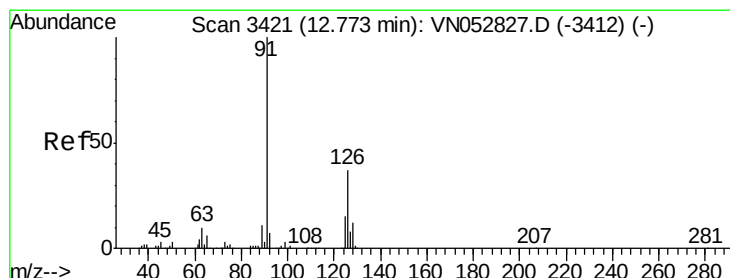
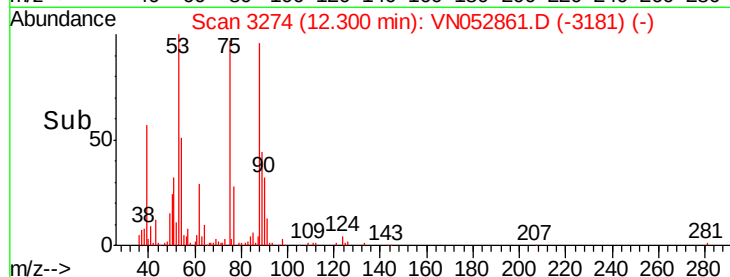
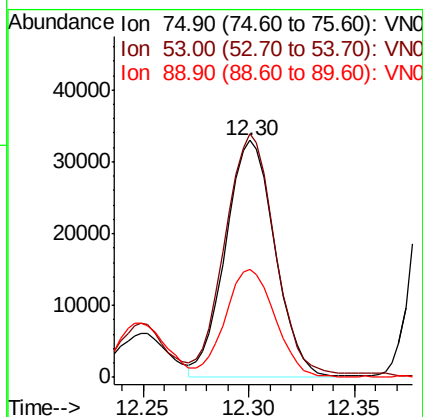
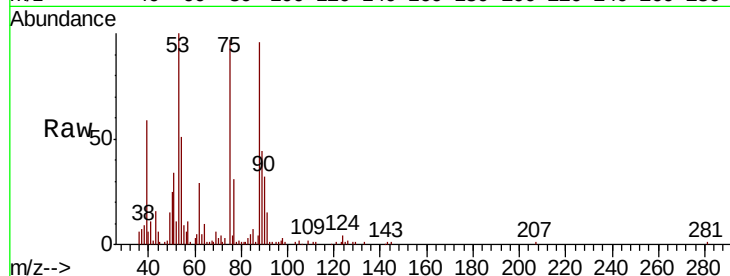
Tot Ion: 75 Resp: 53631

Ion Ratio Lower Upper

75 100

53 100.7 74.7 112.1

89 45.8 36.1 54.1



#82

4-Chlorotoluene

Concen: 19.750 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052861.D

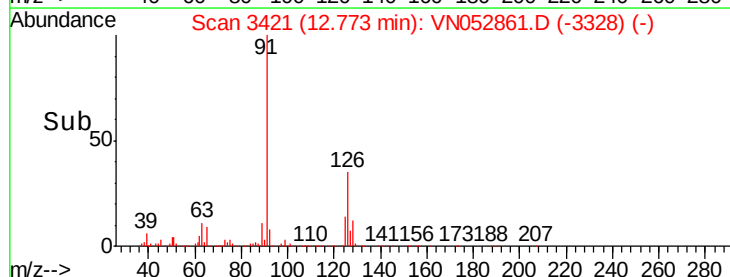
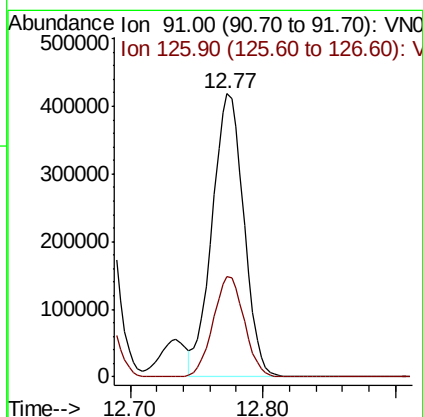
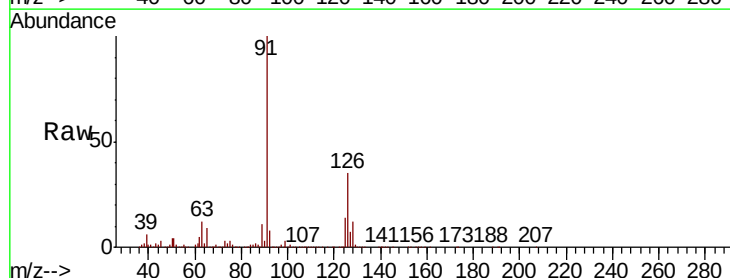
Acq: 13 Dec 2018 13:47

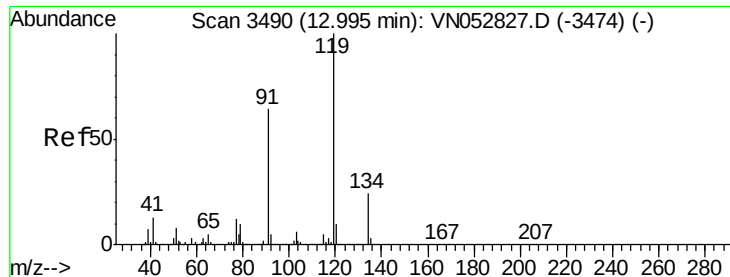
Tgt Ion: 91 Resp: 692095

Ion Ratio Lower Upper

91 100

126 34.9 17.3 51.7

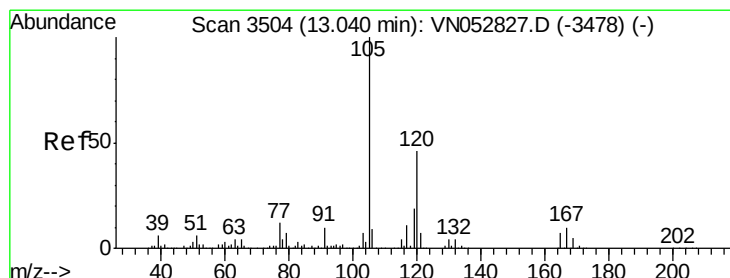
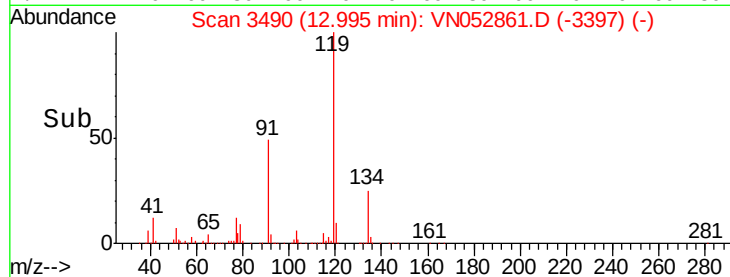
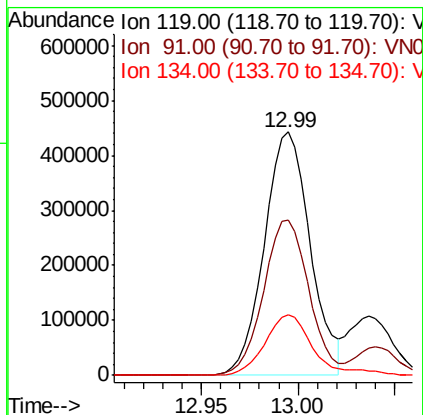
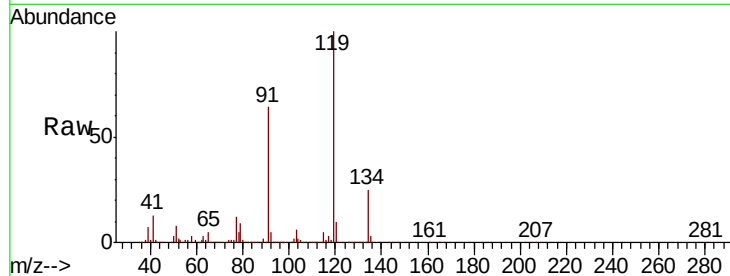




#83
 tert-Butylbenzene
 Concen: 20.200 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

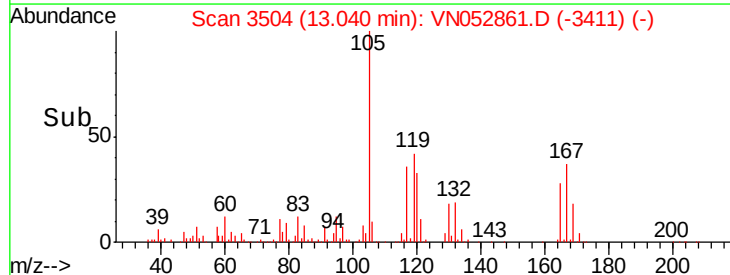
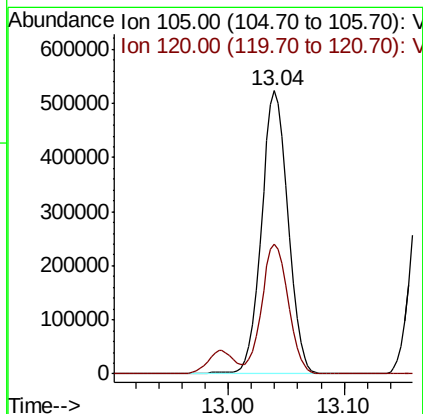
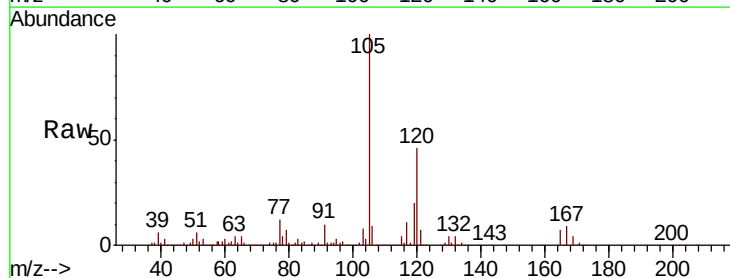
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBSD01

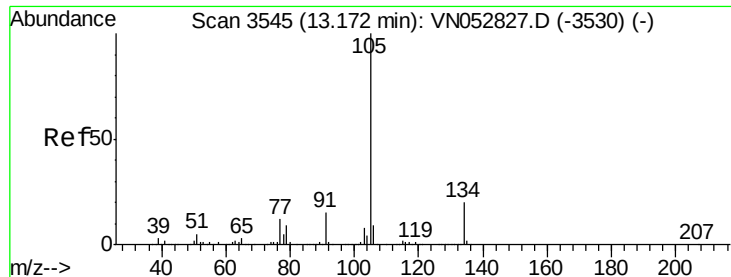
Tot Ion:119 Resp: 731229
 Ion Ratio Lower Upper
 119 100
 91 63.1 31.9 95.5
 134 26.3 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.022 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

Tgt Ion:105 Resp: 831797
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.8





#85

sec-Butylbenzene

Concen: 19.967 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

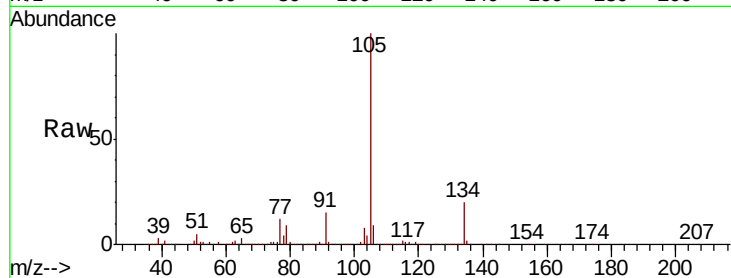
VN1213MBSD01

Tot Ion:105 Resp: 978848

Ion Ratio Lower Upper

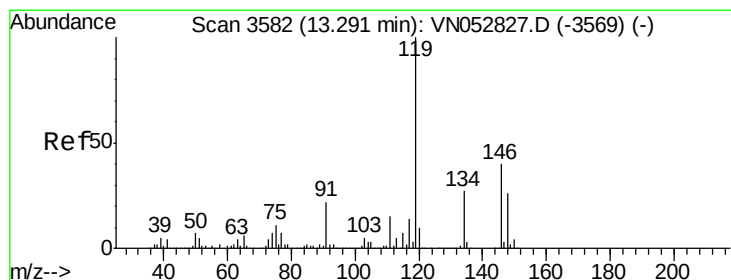
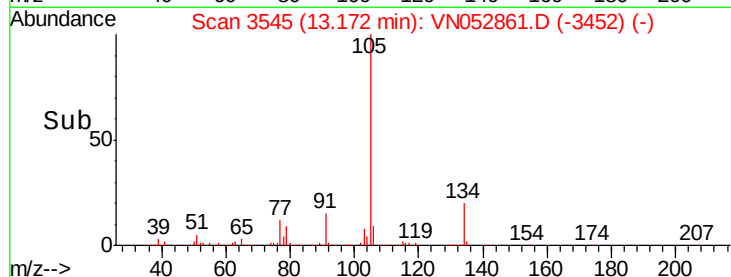
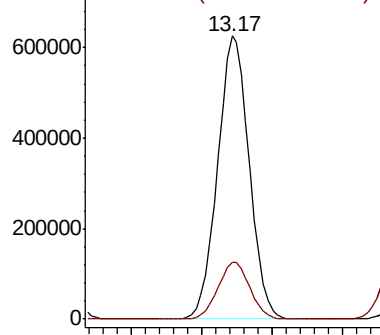
105 100

134 20.5 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.070 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

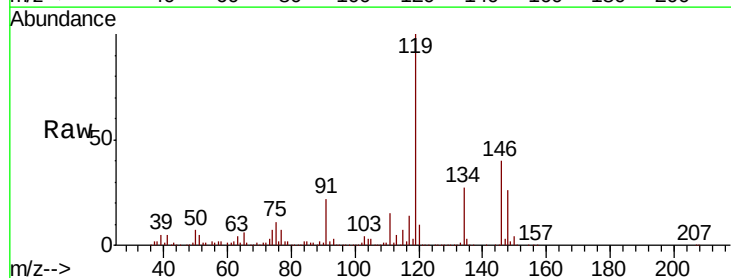
Tgt Ion:119 Resp: 852436

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

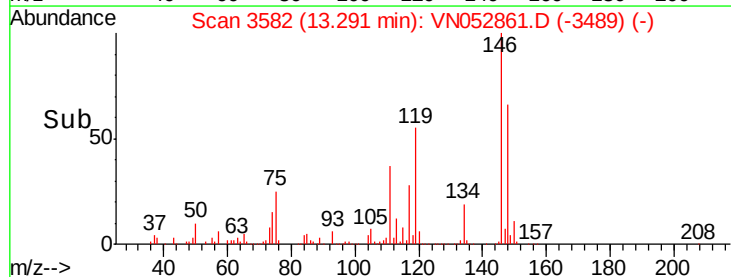
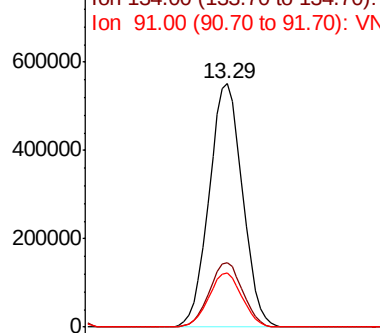
91 22.1 11.1 33.3

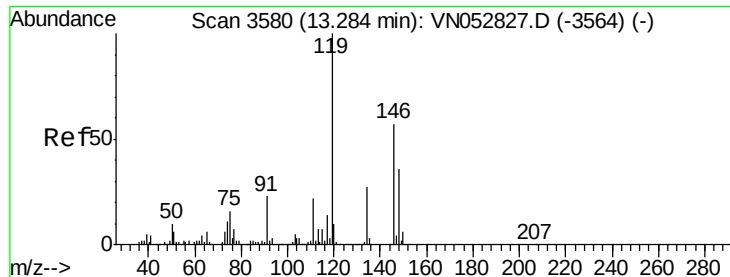


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.669 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBSD01

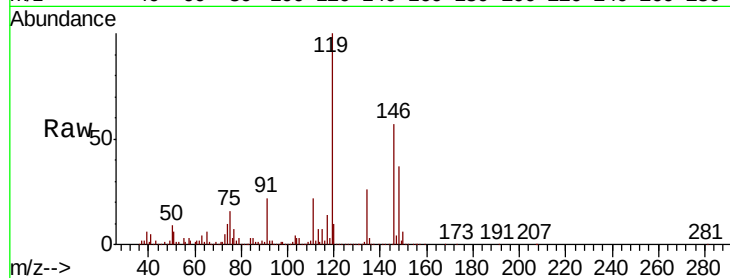
Tot Ion:146 Resp: 451923

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.1

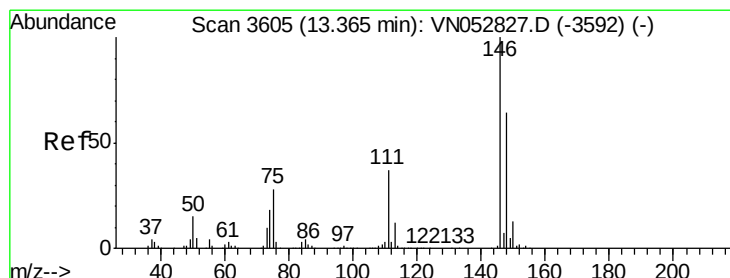
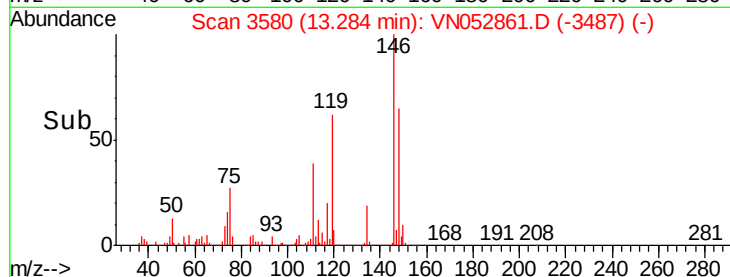
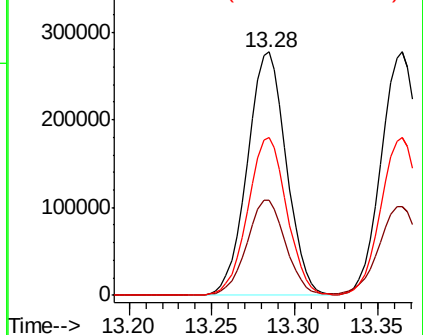
148 64.9 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 19.693 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

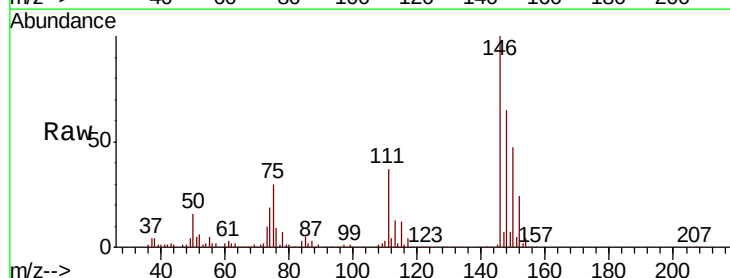
Tgt Ion:146 Resp: 448096

Ion Ratio Lower Upper

146 100

111 38.4 18.6 55.8

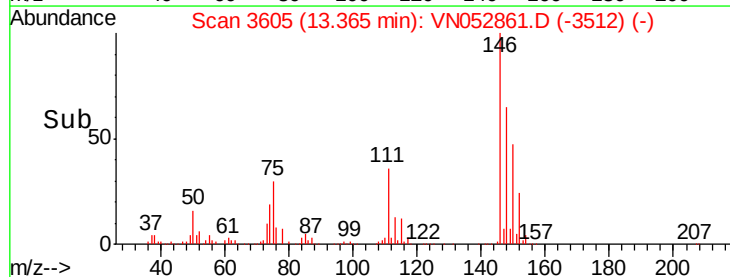
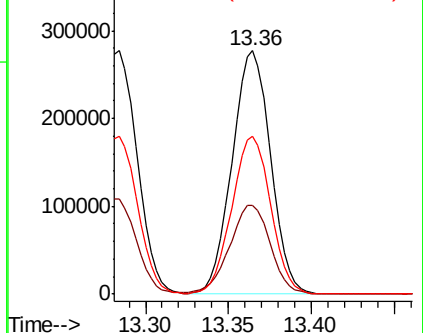
148 65.6 32.1 96.5

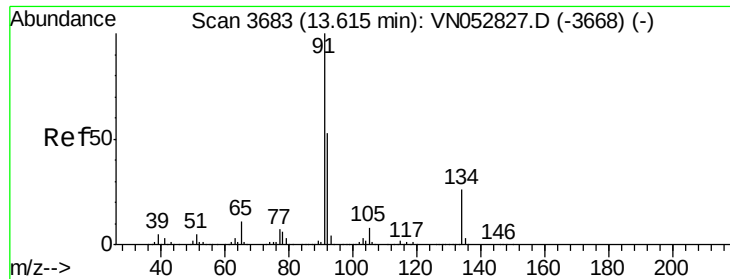


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

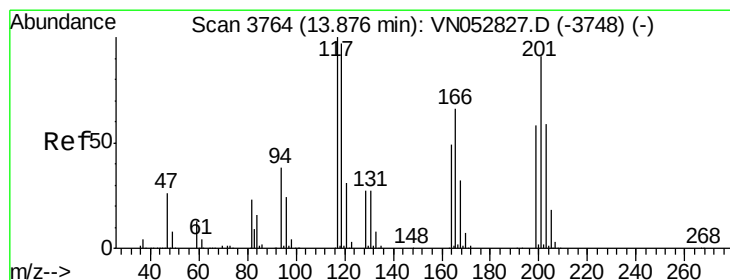
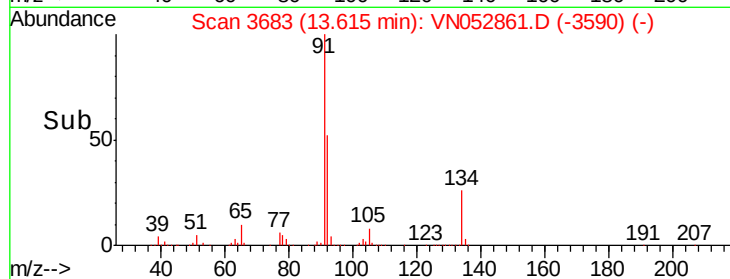
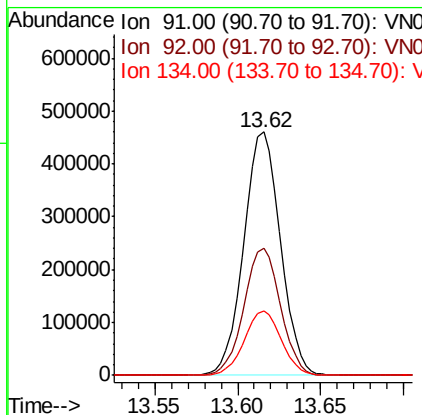
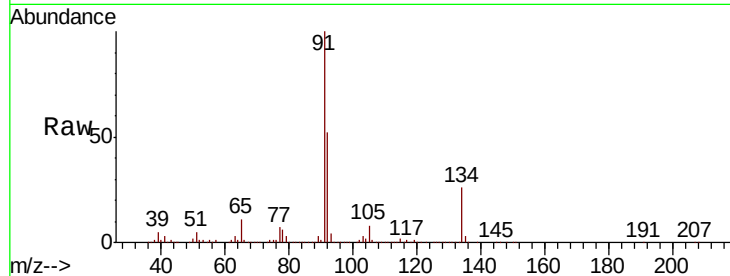




#89
n-Butylbenzene
Concen: 19.710 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

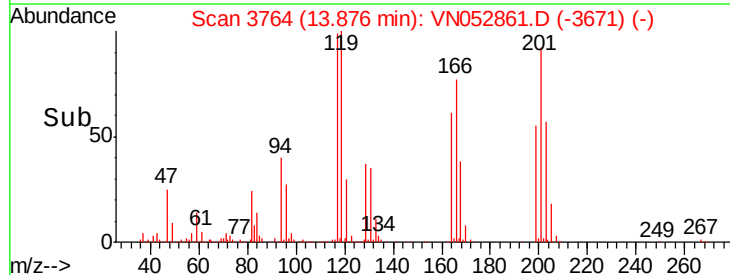
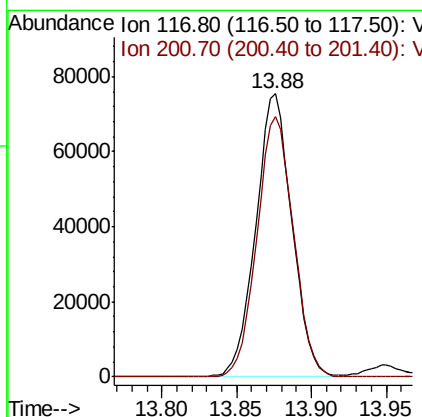
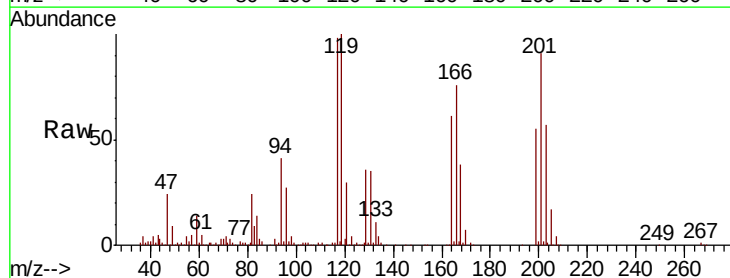
Instrument :
MSVOA_N
ClientSampleId :
VN1213MBSD01

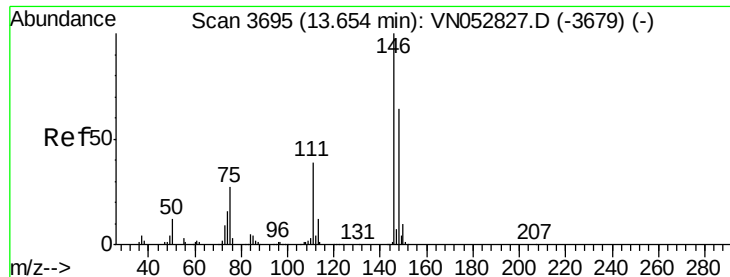
Tot Ion: 91 Resp: 704738
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.9
134 26.9 13.3 39.8



#90
Hexachloroethane
Concen: 17.693 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052861.D
Acq: 13 Dec 2018 13:47

Tgt Ion: 117 Resp: 125835
Ion Ratio Lower Upper
117 100
201 93.3 45.7 137.1

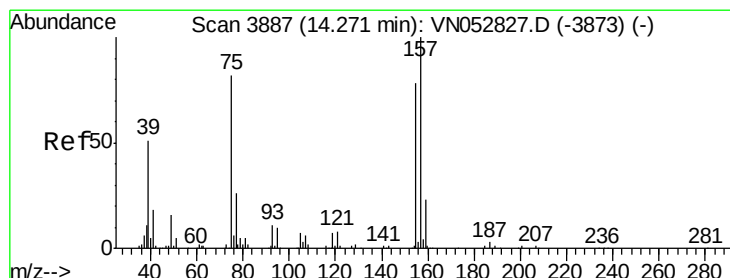
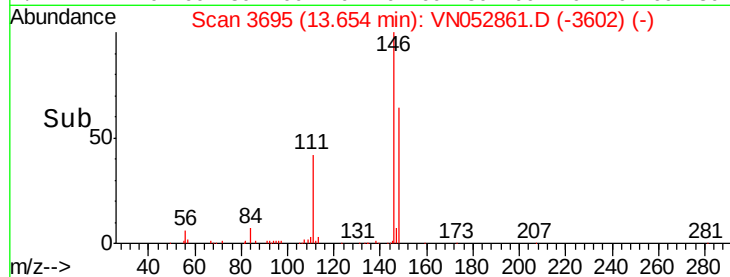
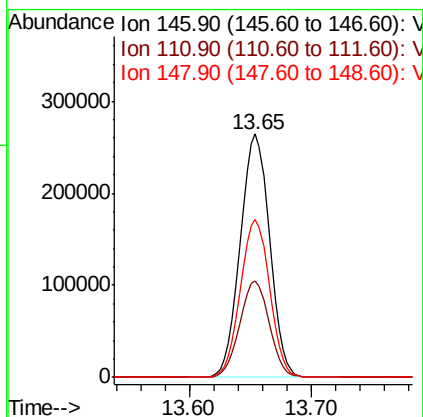
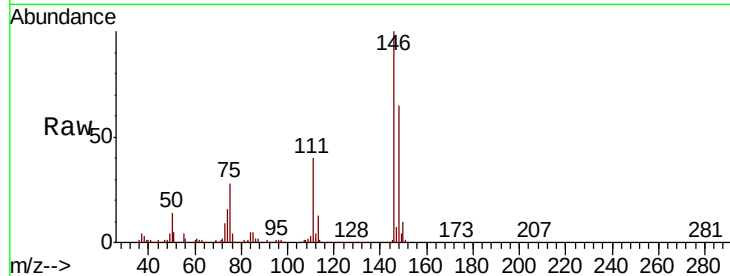




#91
 1,2-Dichlorobenzene
 Concen: 19.813 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

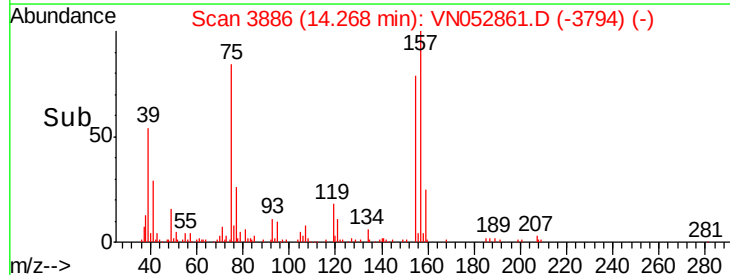
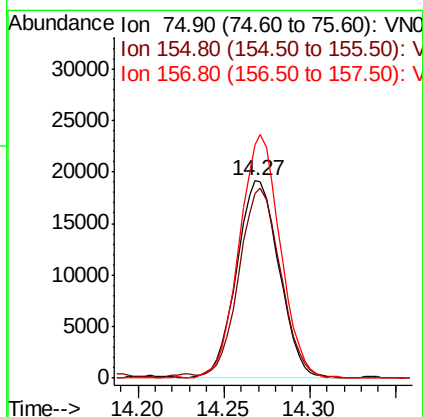
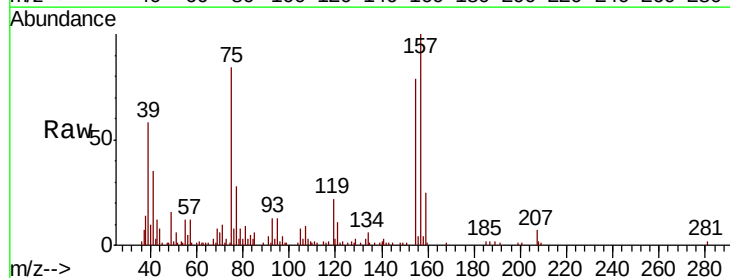
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBSD01

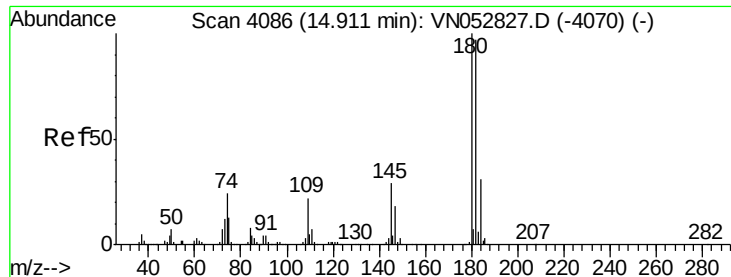
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.0
148	64.7	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.124 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	48.2	144.6
157	118.6	61.2	183.5

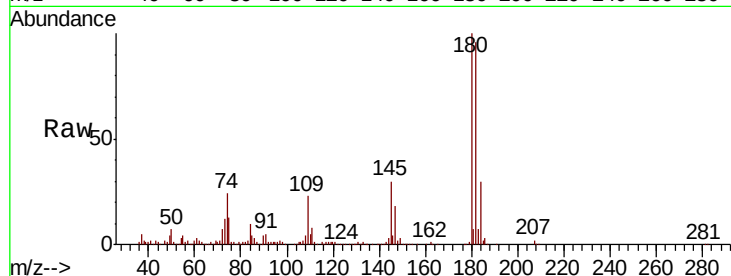




#93
 1,2,4-Trichlorobenzene
 Concen: 19.981 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.8	143.3
145	29.7	14.2	42.6

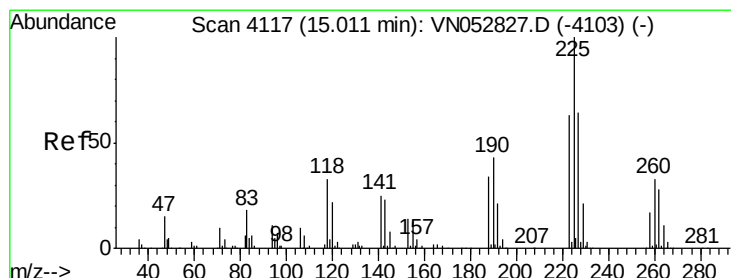
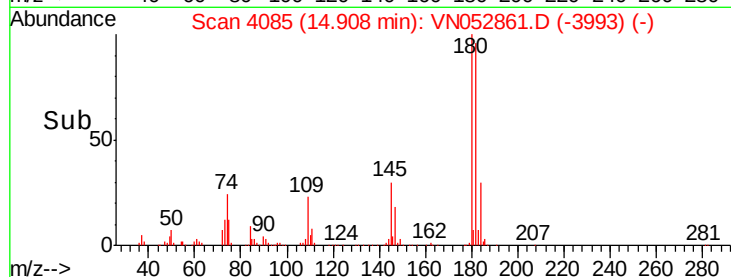
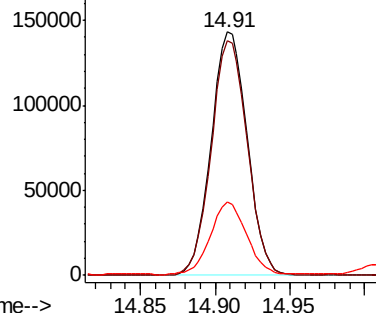


Abundance

Ion 179.80 (179.50 to 180.50): V

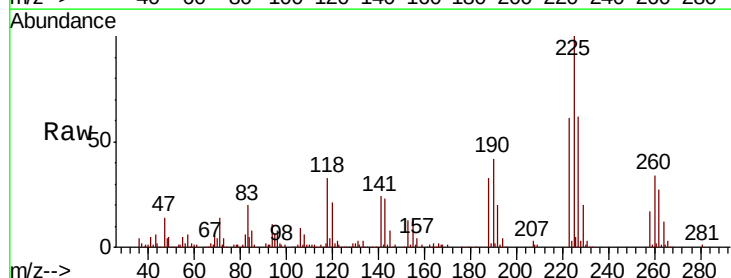
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.283 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052861.D
 Acq: 13 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.5	94.5
227	63.3	31.9	95.7

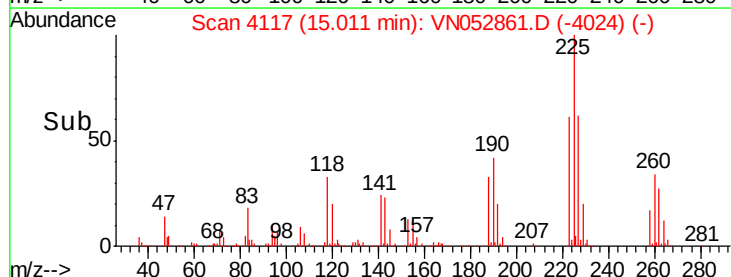
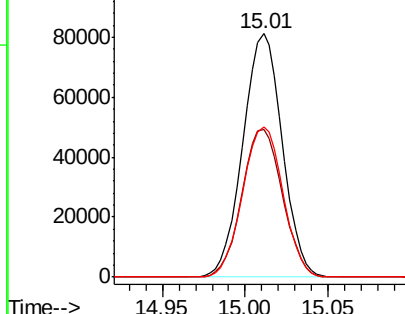


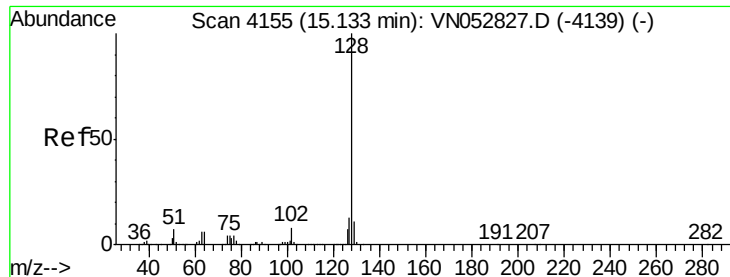
Abundance

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: 20.715 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

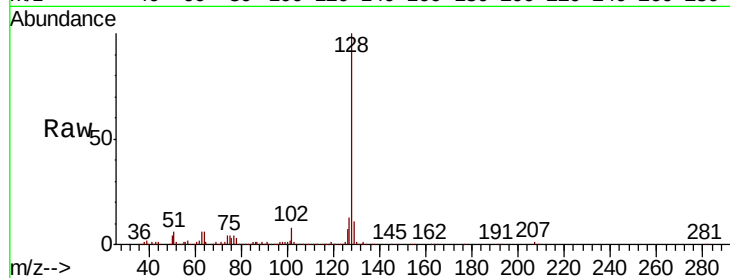
Tot Ion:128 Resp: 515445

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

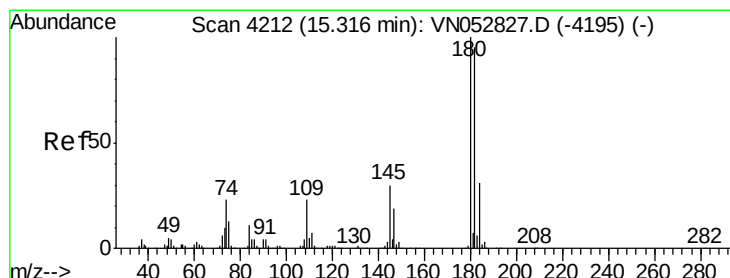
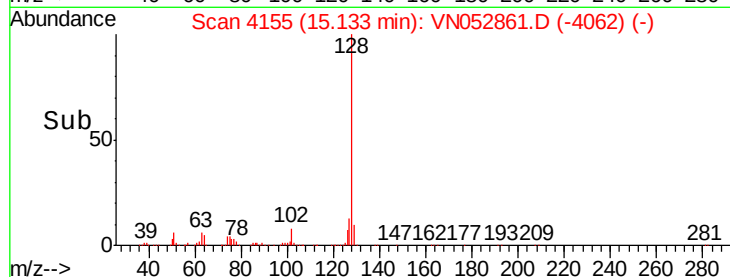
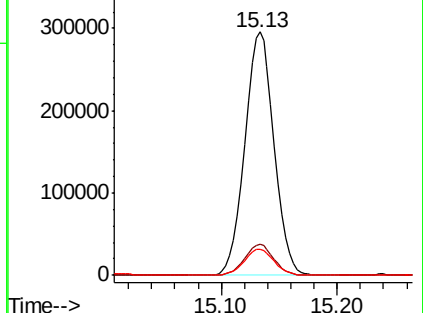
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.219 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052861.D

Acq: 13 Dec 2018 13:47

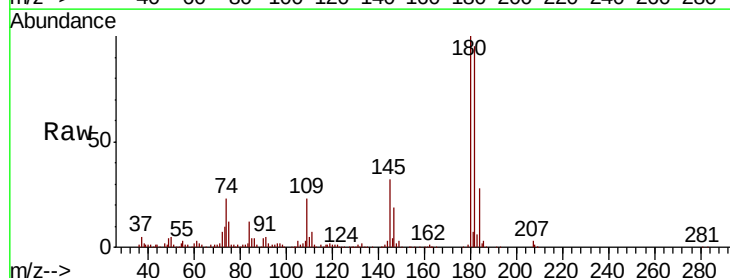
Tgt Ion:180 Resp: 222890

Ion Ratio Lower Upper

180 100

182 96.0 47.9 143.7

145 33.9 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

