

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052864.D
 Acq On : 13 Dec 2018 15:07
 Operator : MD\SY
 Sample : VN1213WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

Quant Time: Dec 14 01:39:25 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	1078605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1688225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1480489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	682814	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	574546	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	7.59	113	475718	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	10.09	98	2037639	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.40	95	695586	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	216763	19.523	ug/l 100
3) Chloromethane	2.06	50	261639	19.634	ug/l 99
4) Vinyl Chloride	2.19	62	267096	20.034	ug/l 98
5) Bromomethane	2.58	94	161931	19.693	ug/l 100
6) Chloroethane	2.71	64	157486	19.985	ug/l 98
7) Trichlorofluoromethane	3.02	101	331578	20.061	ug/l 98
8) Diethyl Ether	3.41	74	125280	20.778	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	201859	19.705	ug/l 97
10) Methyl Iodide	3.96	142	274332	19.122	ug/l 99
11) Tert butyl alcohol	4.78	59	57693	90.030	ug/l 99
12) 1,1-Dichloroethene	3.74	96	198731	20.040	ug/l 99
13) Acrolein	3.61	56	66660	110.486	ug/l 99
14) Allyl chloride	4.33	41	309548	19.111	ug/l 96
15) Acrylonitrile	4.99	53	362013	100.698	ug/l 99
16) Acetone	3.81	43	231242	89.776	ug/l 97
17) Carbon Disulfide	4.06	76	559930	18.380	ug/l 99
18) Methyl Acetate	4.33	43	181427	19.192	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	548144	20.361	ug/l 99
20) Methylene Chloride	4.55	84	227245	19.604	ug/l 98
21) trans-1,2-Dichloroethene	5.05	96	212781	19.805	ug/l 99
22) Diisopropyl ether	5.95	45	704509	20.388	ug/l 98
23) Vinyl Acetate	5.90	43	2074522	100.894	ug/l 100
24) 1,1-Dichloroethane	5.85	63	408150	20.482	ug/l 100
25) 2-Butanone	6.83	43	376189	94.125	ug/l 98
26) 2,2-Dichloropropane	6.83	77	267798	18.249	ug/l 98
27) cis-1,2-Dichloroethene	6.83	96	246888	20.247	ug/l 99
28) Bromochloromethane	7.20	49	182975	20.449	ug/l 96
29) Tetrahydrofuran	7.21	42	268821	98.524	ug/l 98
30) Chloroform	7.37	83	392315	20.189	ug/l 99
31) Cyclohexane	7.66	56	387180	19.569	ug/l 96
32) 1,1,1-Trichloroethane	7.57	97	318951	19.618	ug/l 99
36) 1,1-Dichloropropene	7.80	75	303889	19.547	ug/l 100
37) Ethyl Acetate	6.93	43	183302	19.627	ug/l 99
38) Carbon Tetrachloride	7.78	117	276113	19.296	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	369603	19.373	ug/l	99
40) Benzene	8.04	78	934921	20.037	ug/l	100
41) Methacrylonitrile	7.17	41	93950	18.156	ug/l	97
42) 1,2-Dichloroethane	8.13	62	278376	19.817	ug/l	99
43) Isopropyl Acetate	8.16	43	341996	17.861	ug/l	100
44) Trichloroethene	8.84	130	247800	19.661	ug/l	98
45) 1,2-Dichloropropane	9.12	63	246080	20.135	ug/l	99
46) Dibromomethane	9.21	93	138841	19.589	ug/l	99
47) Bromodichloromethane	9.40	83	285334	19.413	ug/l	99
48) Methyl methacrylate	9.20	41	165216	19.675	ug/l	98
49) 1,4-Dioxane	9.20	88	37678	395.297	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	879939	100.219	ug/l	100
52) Toluene	10.16	92	565984	20.028	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	282811	19.121	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	345418	19.599	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	200270	19.852	ug/l	99
56) Ethyl methacrylate	10.43	69	256279	19.795	ug/l	99
57) 1,3-Dichloropropane	10.71	76	344131	19.893	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	711369	98.475	ug/l	98
59) 2-Hexanone	10.75	43	578787	96.189	ug/l	99
60) Dibromochloromethane	10.90	129	210106	19.271	ug/l	98
61) 1,2-Dibromoethane	11.01	107	195865	19.642	ug/l	99
64) Tetrachloroethene	10.63	164	257079	20.204	ug/l	99
65) Chlorobenzene	11.43	112	618890	20.150	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	208425	19.511	ug/l	100
67) Ethyl Benzene	11.51	91	1059626	20.089	ug/l	100
68) m/p-Xylenes	11.62	106	801195	40.452	ug/l	100
69) o-Xylene	11.95	106	390367	20.184	ug/l	99
70) Styrene	11.96	104	630906	20.293	ug/l	100
71) Bromoform	12.13	173	134926	18.592	ug/l #	99
73) Isopropylbenzene	12.25	105	1038728	20.375	ug/l	100
74) N-amyl acetate	12.07	43	279329	19.957	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	222406	19.465	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	286414	28.431	ug/l #	100
77) Bromobenzene	12.53	156	262995	20.282	ug/l	100
78) n-propylbenzene	12.59	91	1180910	20.310	ug/l	100
79) 2-Chlorotoluene	12.67	91	691433	20.115	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	842920	20.482	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	56985	18.172	ug/l	97
82) 4-Chlorotoluene	12.77	91	703265	20.011	ug/l	99
83) tert-Butylbenzene	12.99	119	738728	20.348	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	845249	20.287	ug/l	99
85) sec-Butylbenzene	13.17	105	991820	20.173	ug/l	100
86) p-Isopropyltoluene	13.29	119	853966	20.048	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	458791	19.910	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	452142	19.814	ug/l	99
89) n-Butylbenzene	13.62	91	696044	19.411	ug/l	100
90) Hexachloroethane	13.88	117	131925	18.496	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	442865	19.979	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33840	19.648	ug/l	97

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Quant Title : SW846 8260
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Response via : Initial Calibration

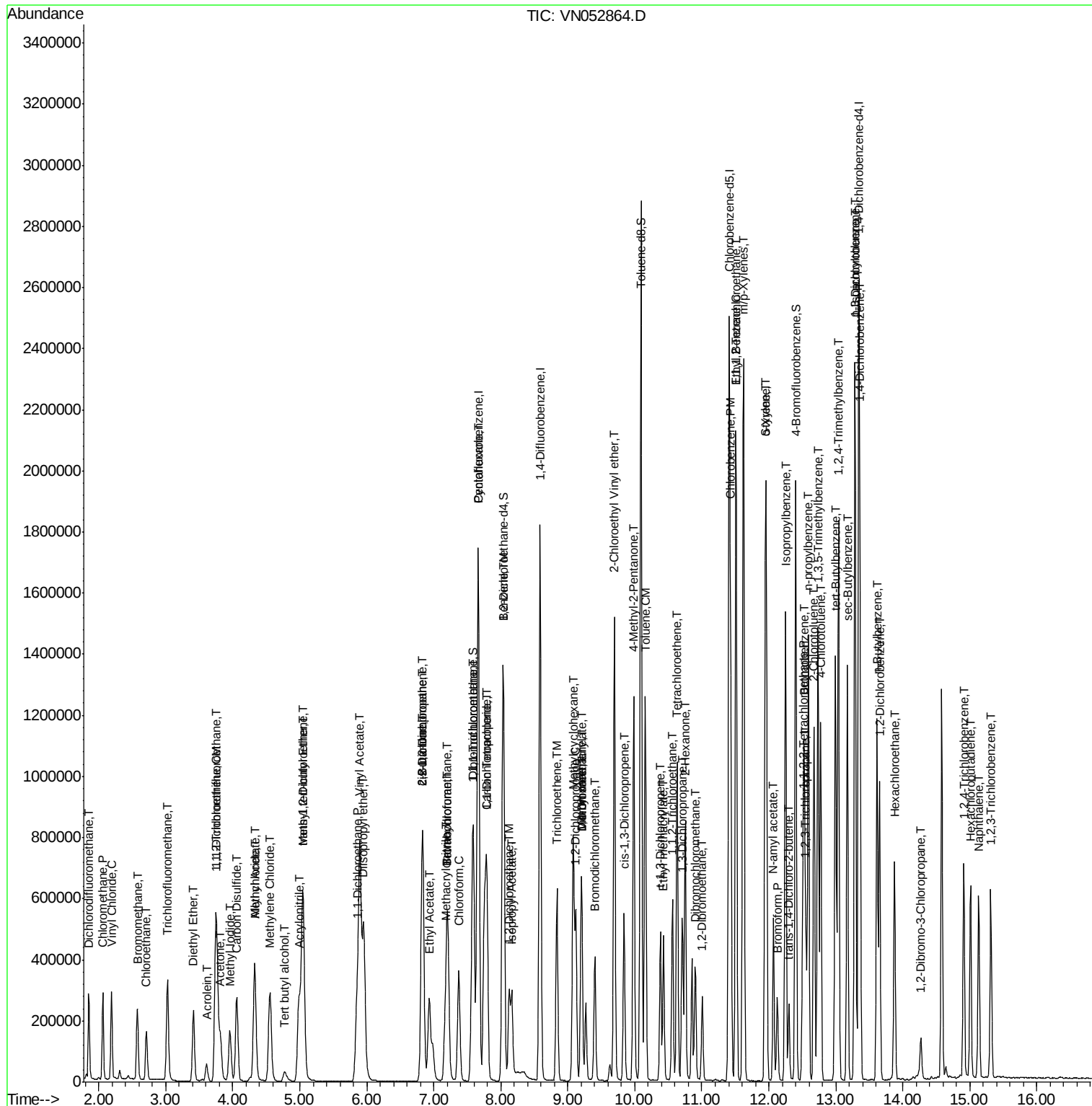
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	240278	19.942	ug/l	99
94) Hexachlorobutadiene	15.01	225	135476	19.425	ug/l	98
95) Naphthalene	15.13	128	517707	20.745	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	223161	20.185	ug/l	99

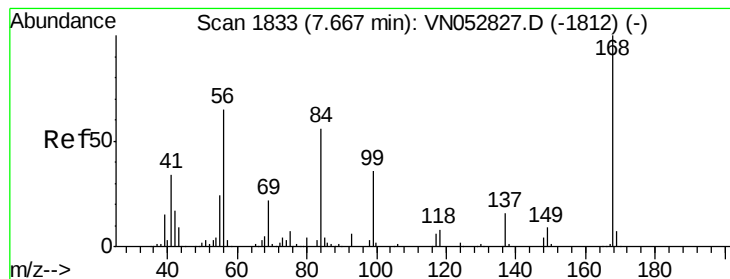
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

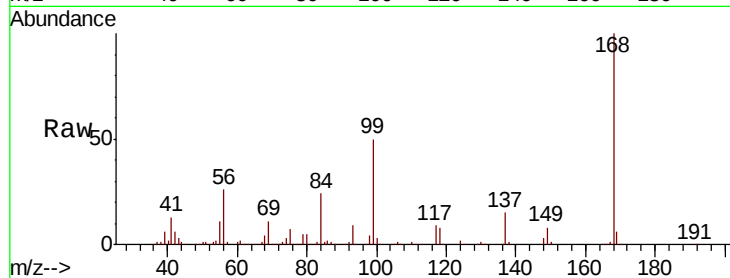
VN1213WBS01

Tot Ion:168 Resp: 1078605

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1812) (-)

7.67

500000

400000

300000

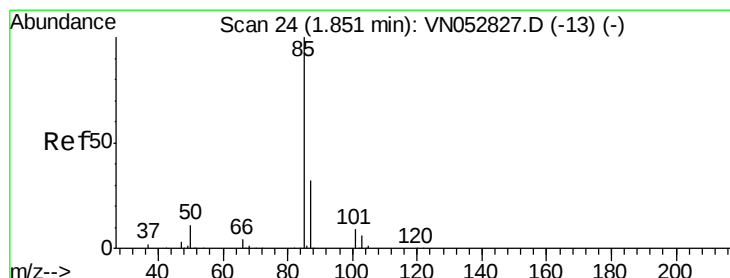
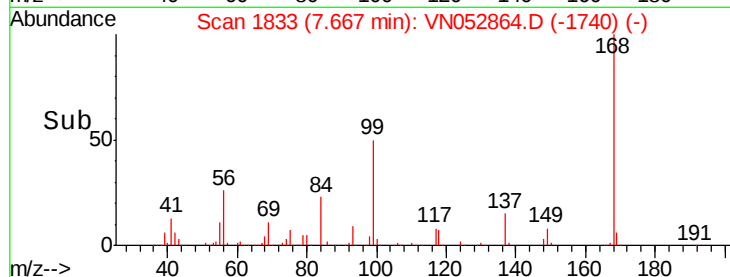
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.523 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052864.D

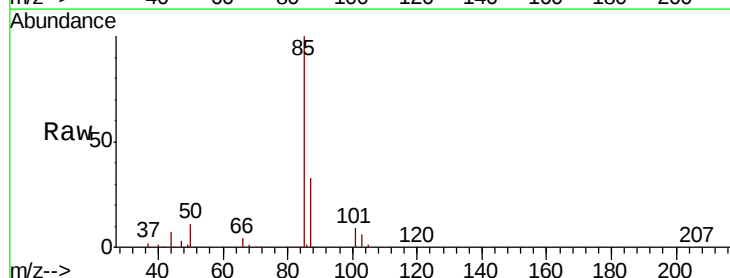
Acq: 13 Dec 2018 15:07

Tgt Ion: 85 Resp: 216763

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN052827.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN052827.D (-13) (-)

1.85

150000

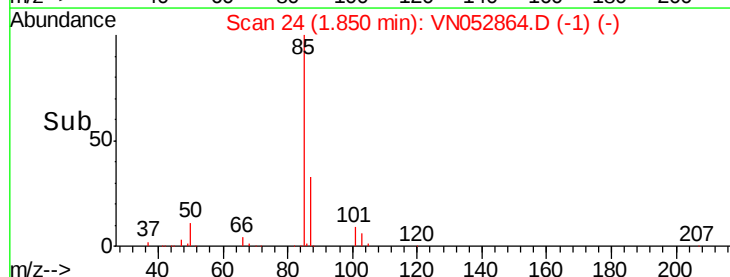
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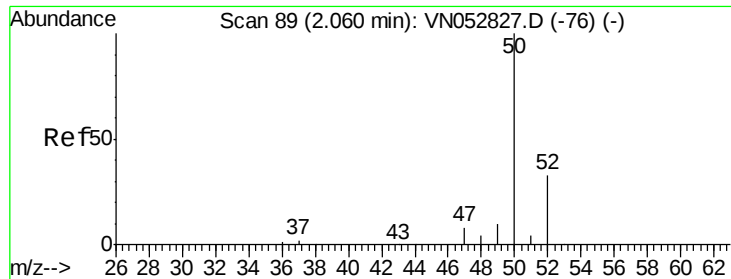
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.634 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

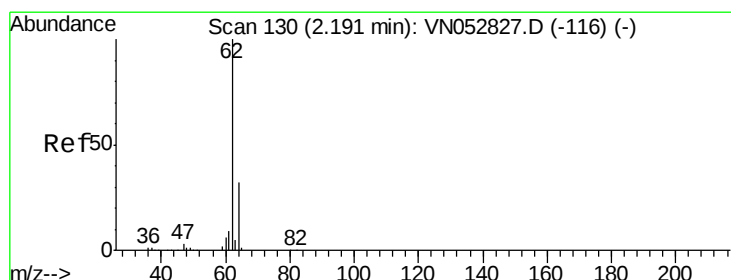
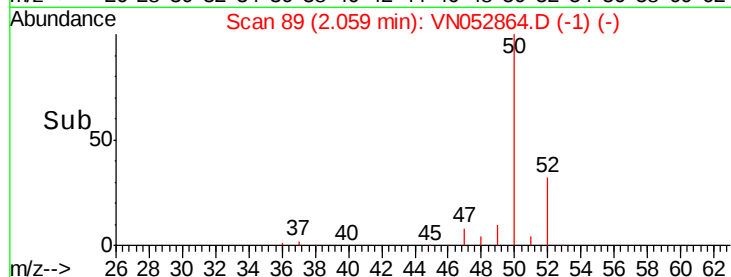
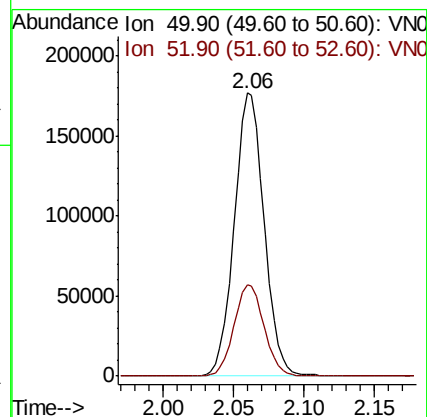
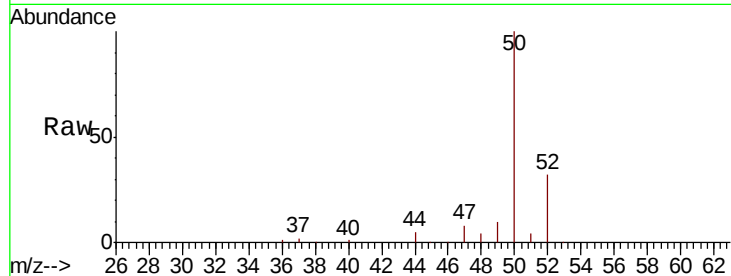
VN1213WBS01

Tot Ion: 50 Resp: 261639

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.4



#4

Vinyl Chloride

Concen: 20.034 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052864.D

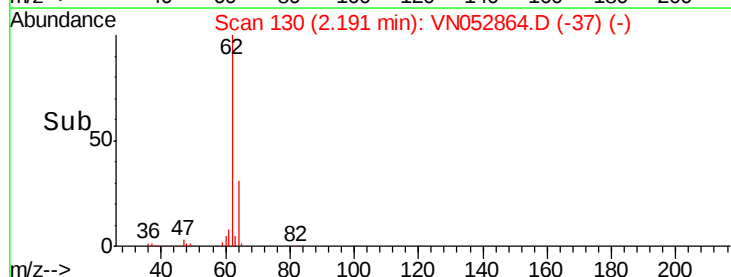
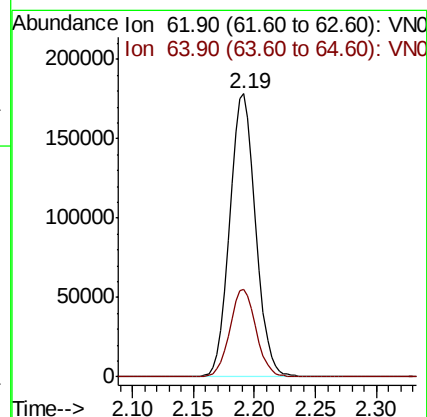
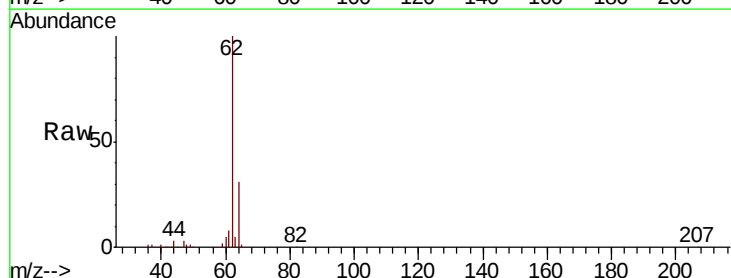
Acq: 13 Dec 2018 15:07

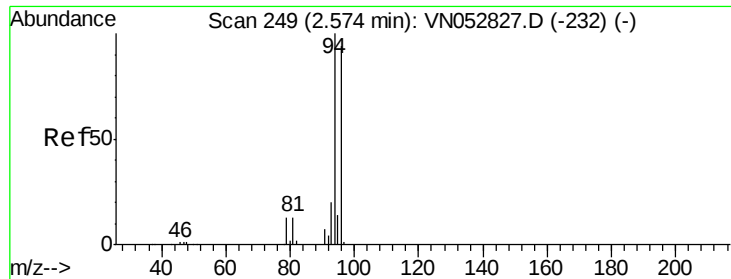
Tgt Ion: 62 Resp: 267096

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3





#5

Bromomethane

Concen: 19.693 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

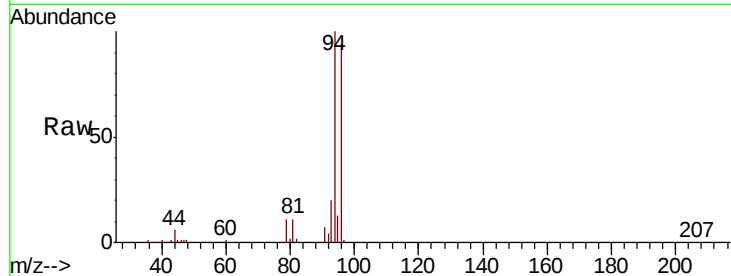
VN1213WBS01

Tot Ion: 94 Resp: 161931

Ion Ratio Lower Upper

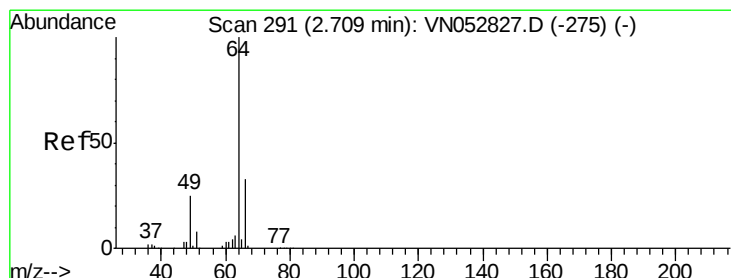
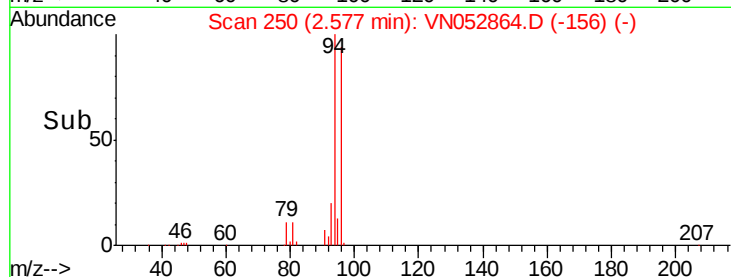
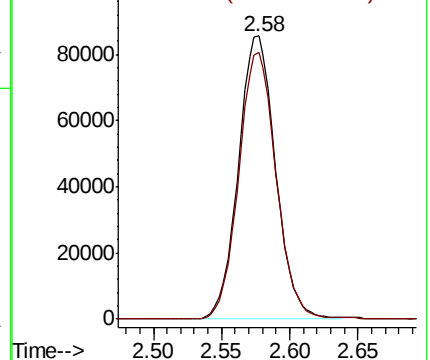
94 100

96 94.0 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.985 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052864.D

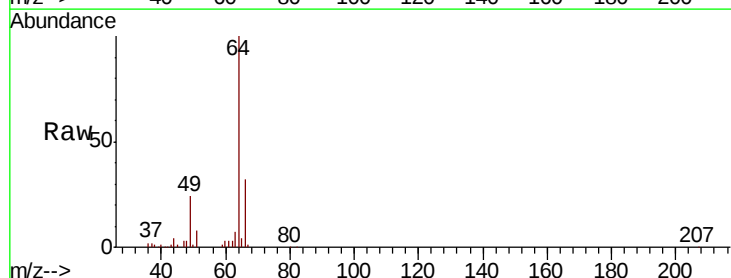
Acq: 13 Dec 2018 15:07

Tgt Ion: 64 Resp: 157486

Ion Ratio Lower Upper

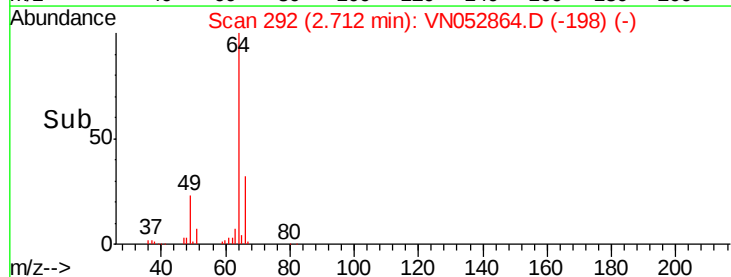
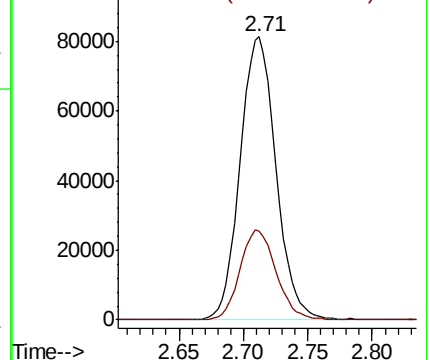
64 100

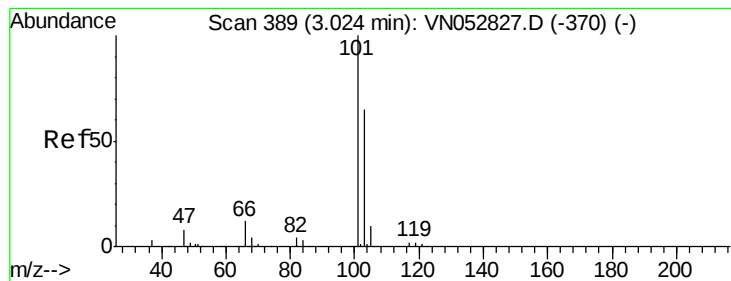
66 31.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



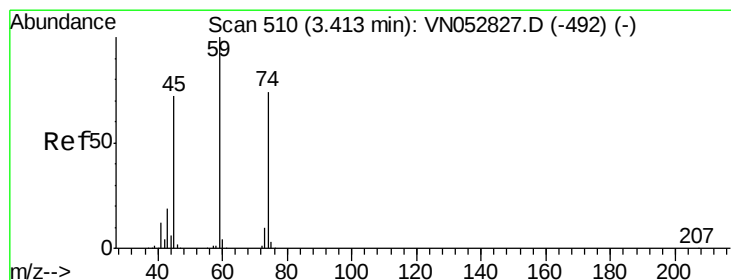
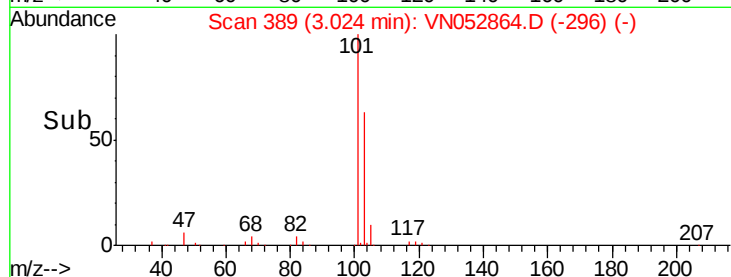
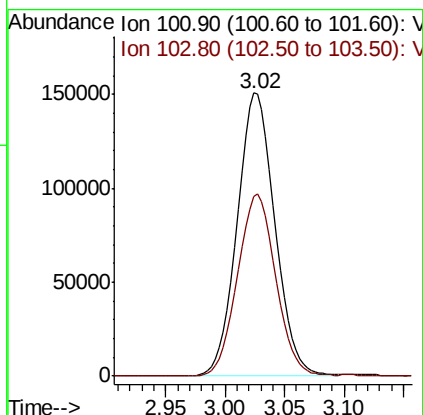
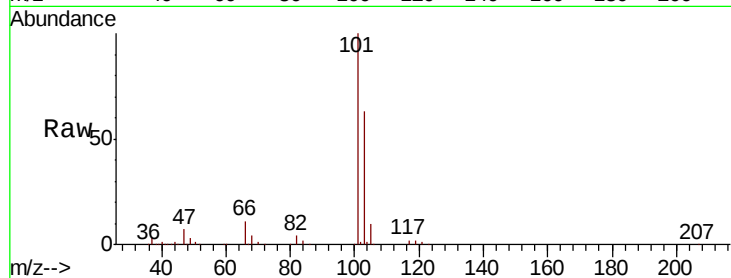


#7

Trichlorofluoromethane
 Concen: 20.061 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Instrument :
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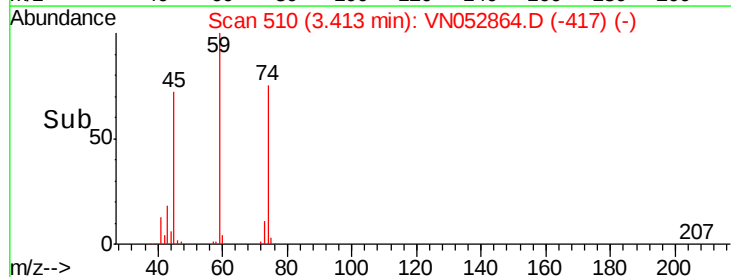
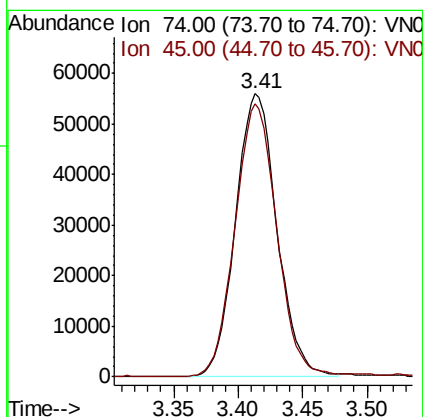
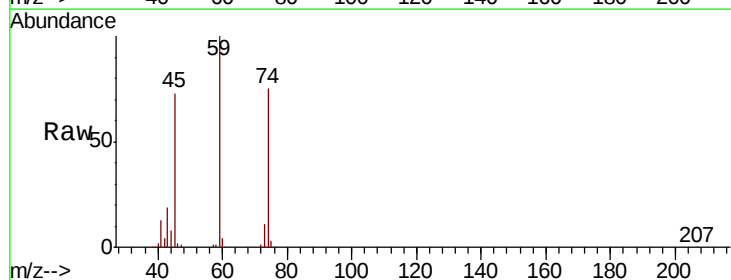
Tot Ion:101 Resp: 331578
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.8 77.6

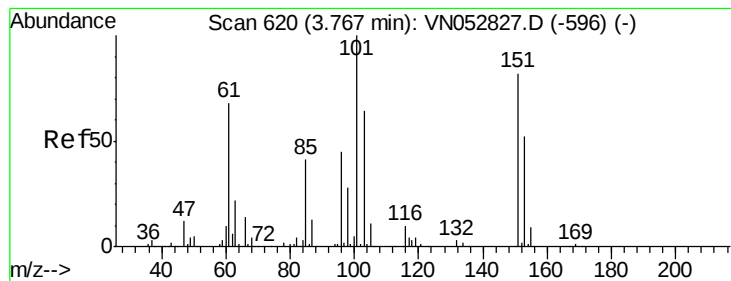


#8

Diethyl Ether
 Concen: 20.778 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Tgt Ion: 74 Resp: 125280
 Ion Ratio Lower Upper
 74 100
 45 96.2 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.705 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

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VN1213WBS01

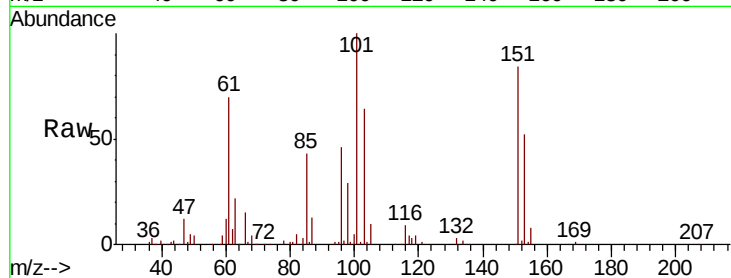
Tot Ion:101 Resp: 201859

Ion Ratio Lower Upper

101 100

85 42.5 33.6 50.4

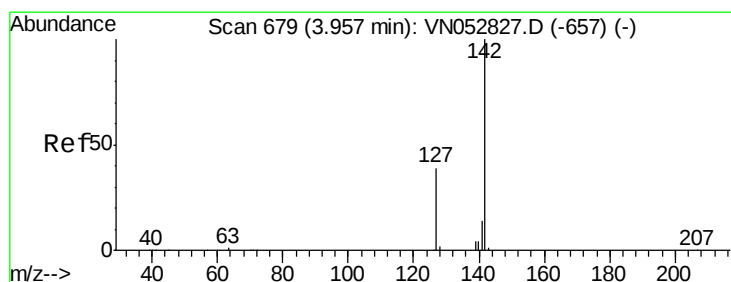
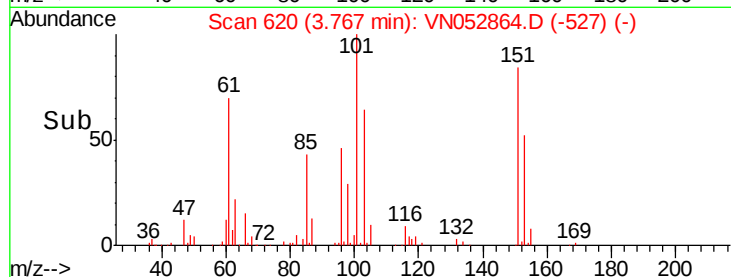
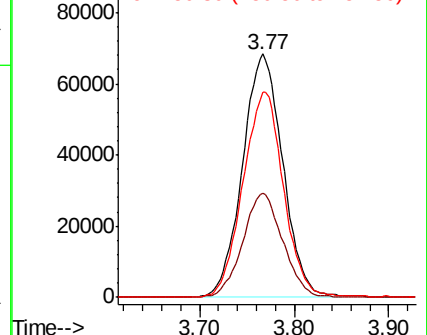
151 85.1 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.122 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

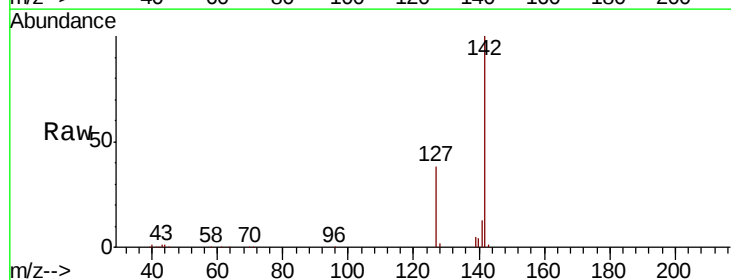
Tgt Ion:142 Resp: 274332

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.6

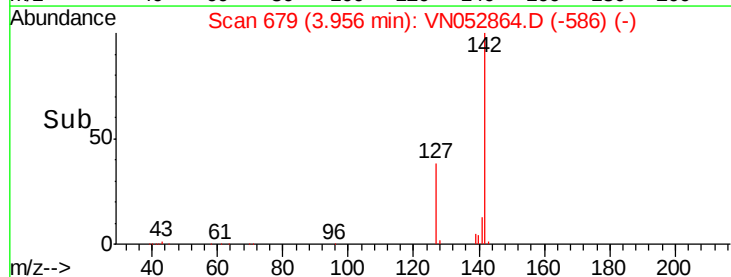
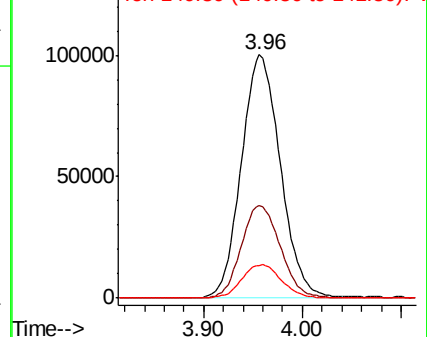
141 14.0 11.2 16.8

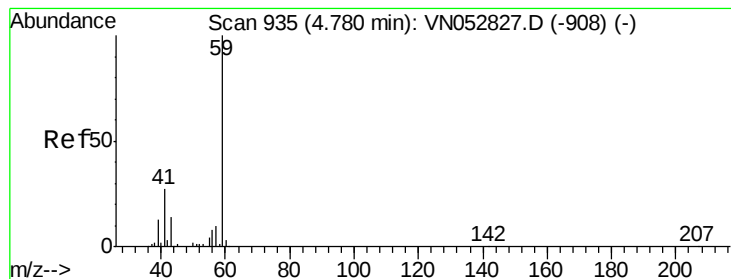


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 90.030 ug/l

RT: 4.78 min Scan# 935

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

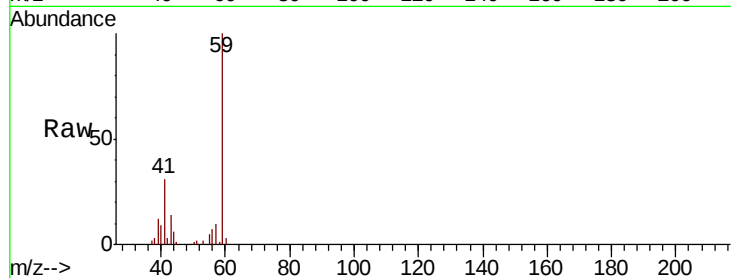
VN1213WBS01

Tot Ion: 59 Resp: 57693

Ion Ratio Lower Upper

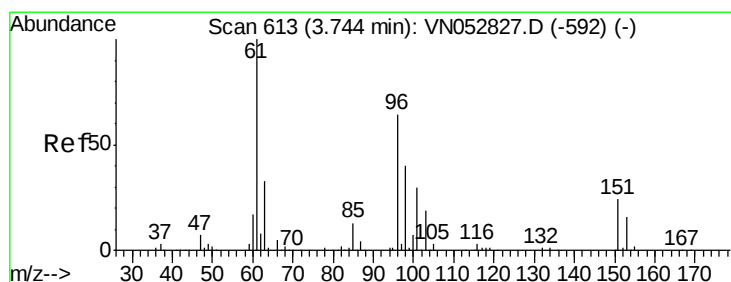
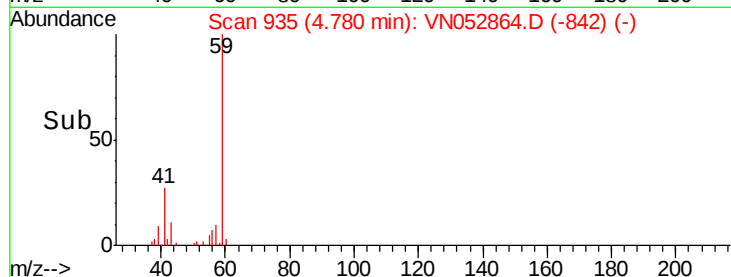
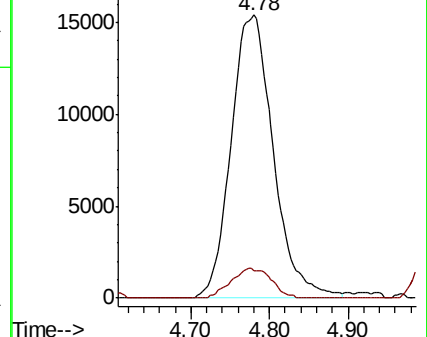
59 100

57 10.1 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VN052827.D (-908) (-)

Ion 57.00 (56.70 to 57.70): VN052827.D (-908) (-)



#12

1,1-Dichloroethene

Concen: 20.040 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

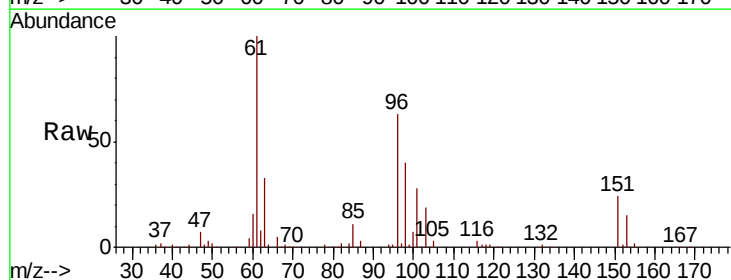
Tgt Ion: 96 Resp: 198731

Ion Ratio Lower Upper

96 100

61 158.3 125.6 188.4

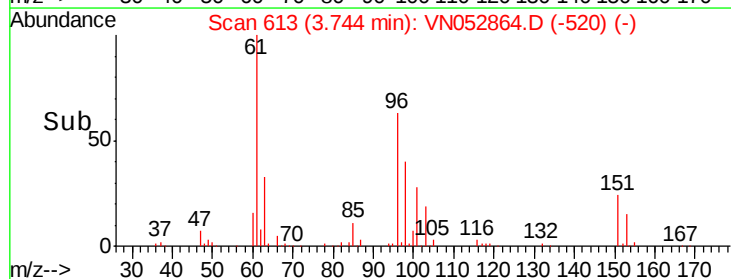
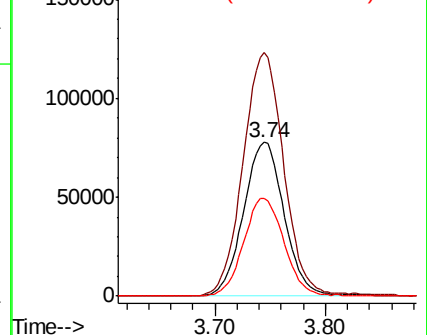
98 63.5 50.6 75.8

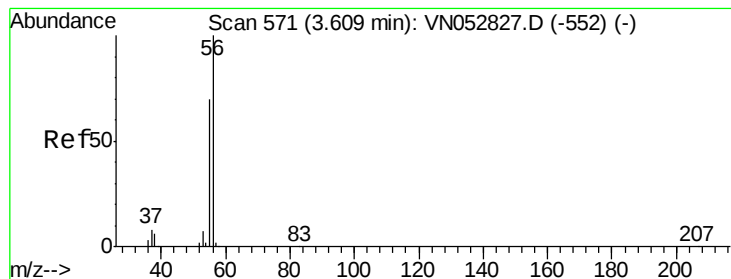


Abundance Ion 95.90 (95.60 to 96.60): VN052827.D (-592) (-)

Ion 60.90 (60.60 to 61.60): VN052827.D (-592) (-)

Ion 97.90 (97.60 to 98.60): VN052827.D (-592) (-)





#13

Acrolein

Concen: 110.486 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

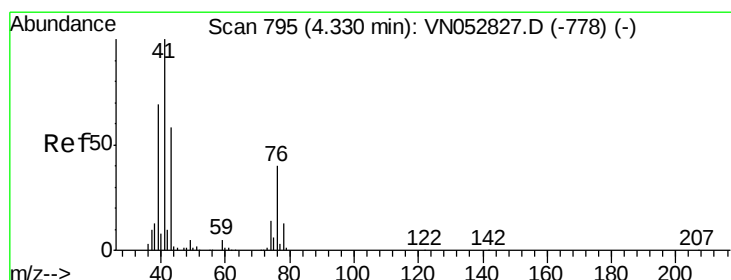
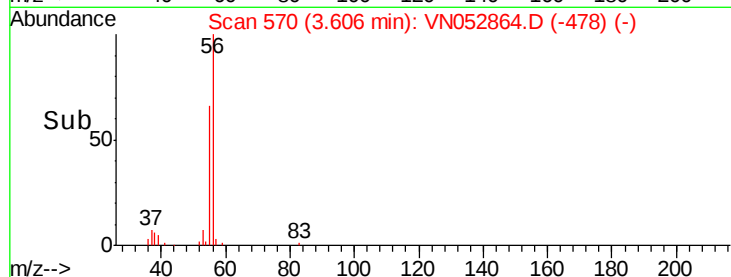
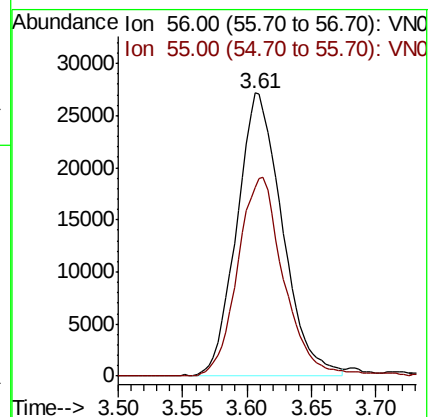
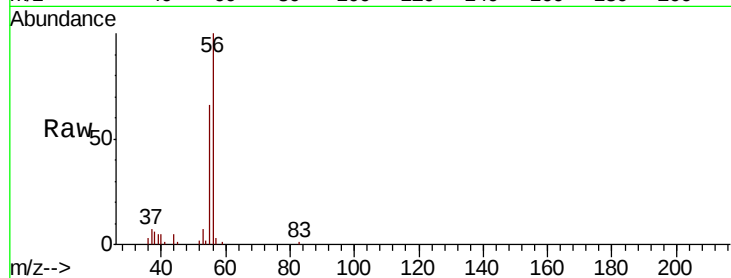
VN1213WBS01

Tot Ion: 56 Resp: 66660

Ion Ratio Lower Upper

56 100

55 71.6 56.6 85.0



#14

Allyl chloride

Concen: 19.111 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

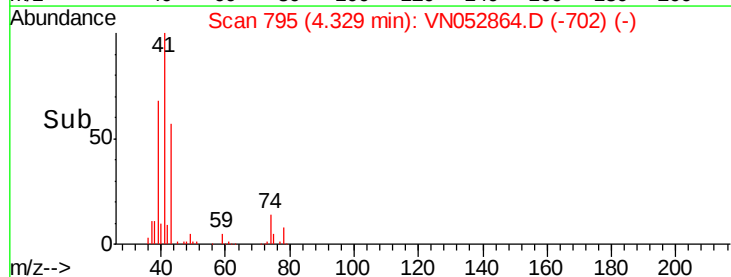
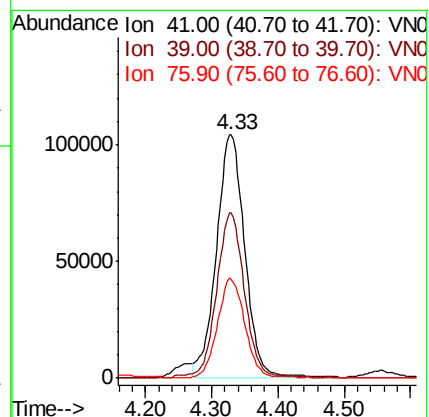
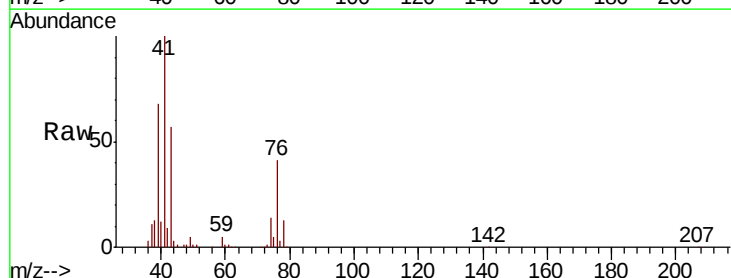
Tgt Ion: 41 Resp: 309548

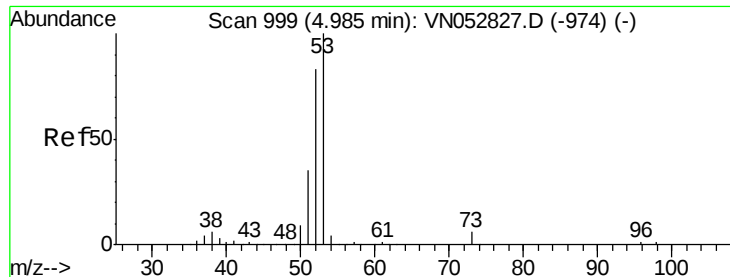
Ion Ratio Lower Upper

41 100

39 63.8 54.1 81.1

76 38.8 30.3 45.5





#15

Acrylonitrile

Concen: 100.698 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampled :

VN1213WBS01

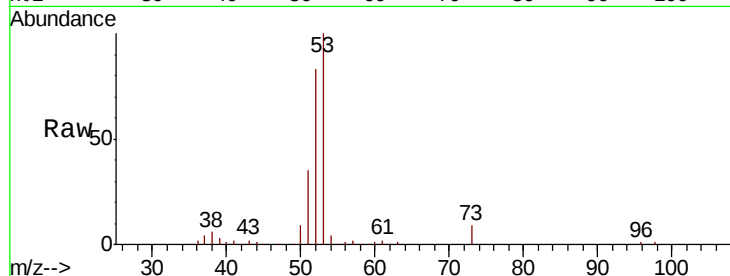
Tot Ion: 53 Resp: 362013

Ion Ratio Lower Upper

53 100

52 82.1 65.1 97.7

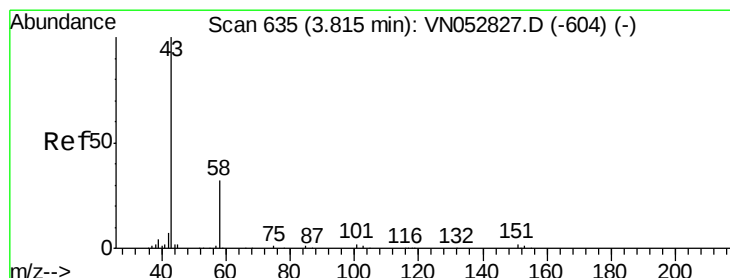
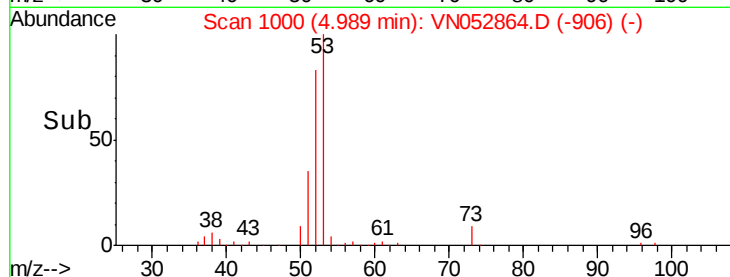
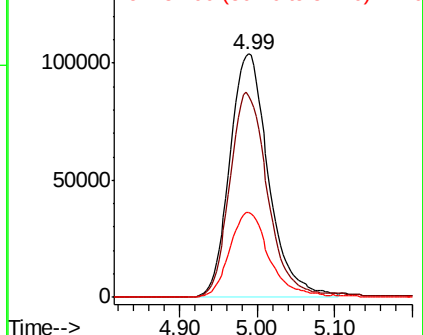
51 35.6 28.1 42.1



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: 89.776 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052864.D

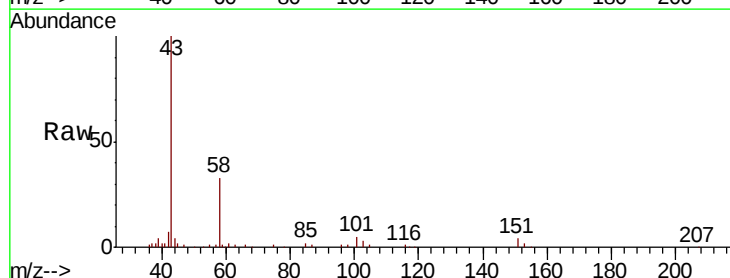
Acq: 13 Dec 2018 15:07

Tgt Ion: 43 Resp: 231242

Ion Ratio Lower Upper

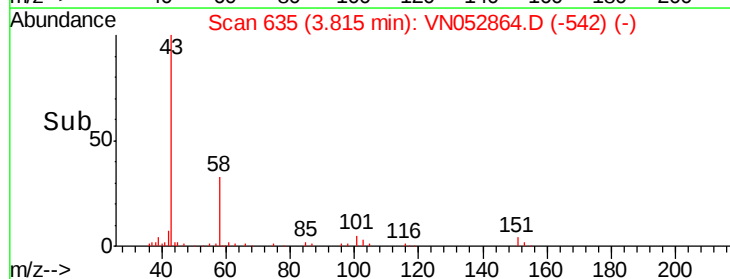
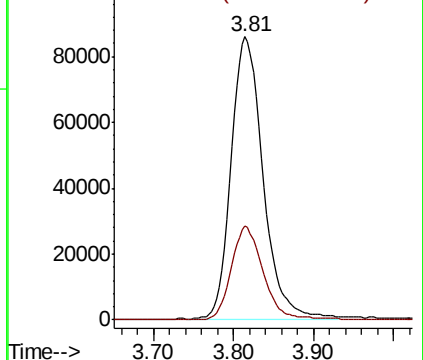
43 100

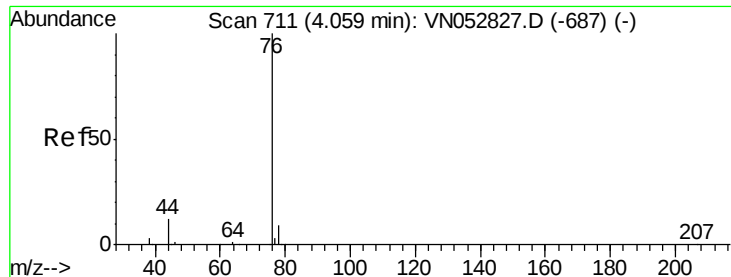
58 33.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.380 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

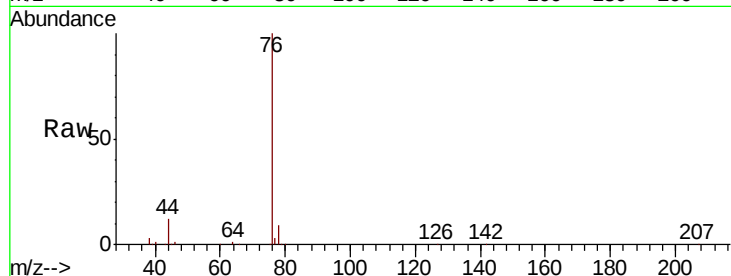
VN1213WBS01

Tot Ion: 76 Resp: 559930

Ion Ratio Lower Upper

76 100

78 9.2 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

250000

200000

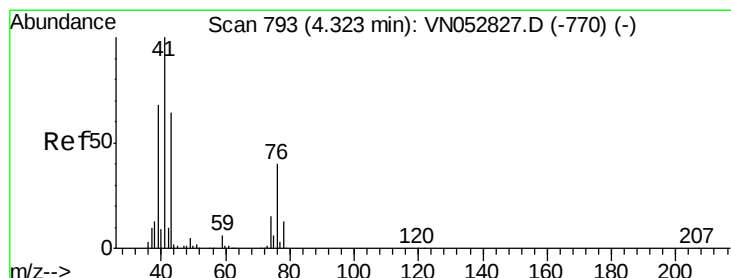
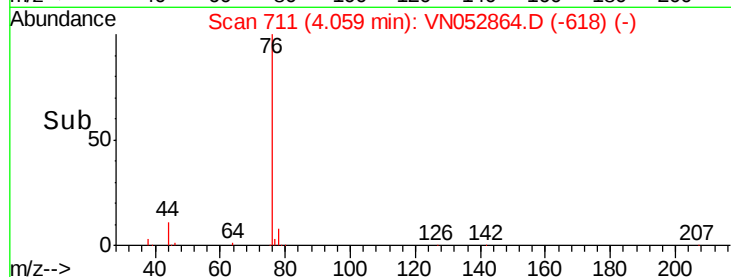
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.192 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052864.D

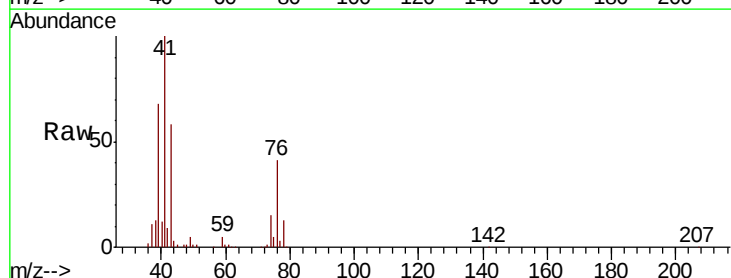
Acq: 13 Dec 2018 15:07

Tgt Ion: 43 Resp: 181427

Ion Ratio Lower Upper

43 100

74 23.9 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

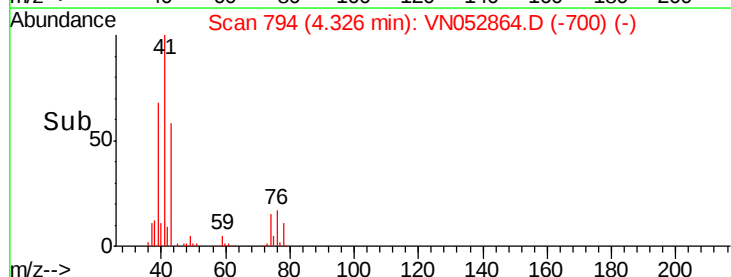
60000

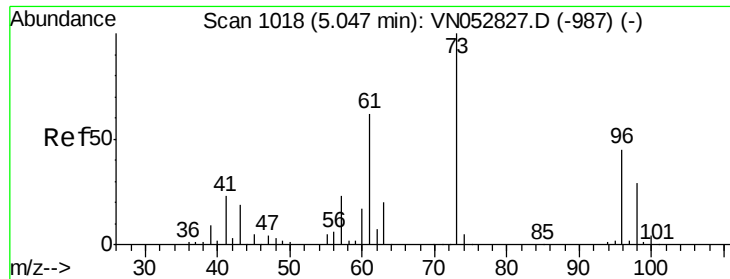
40000

20000

0

Time-->

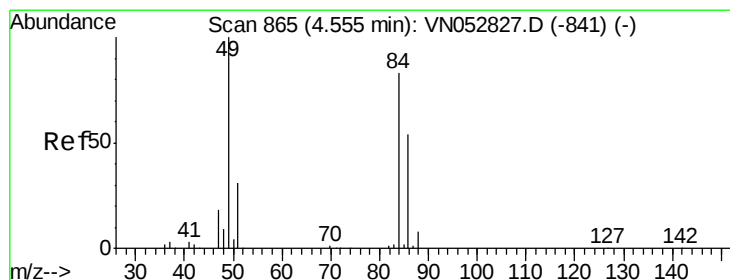
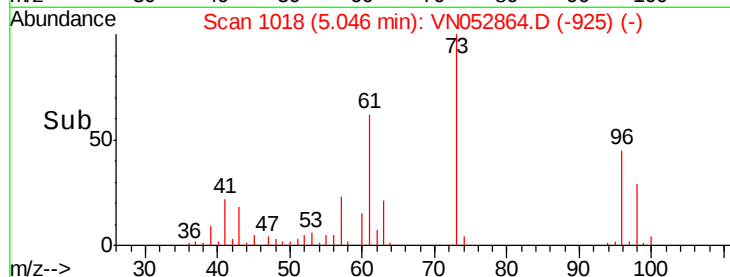
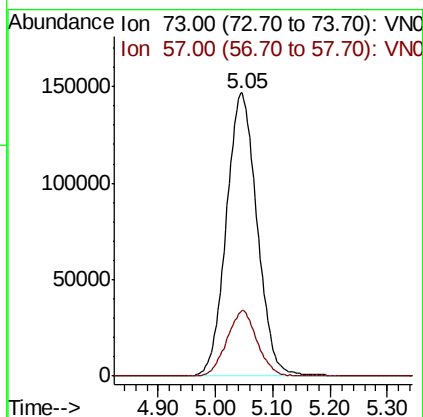
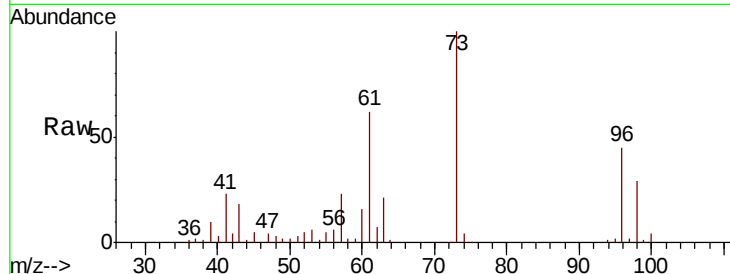




#19
Methyl tert-butyl Ether
Concen: 20.361 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

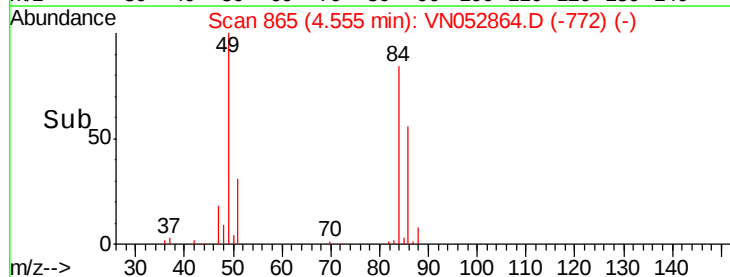
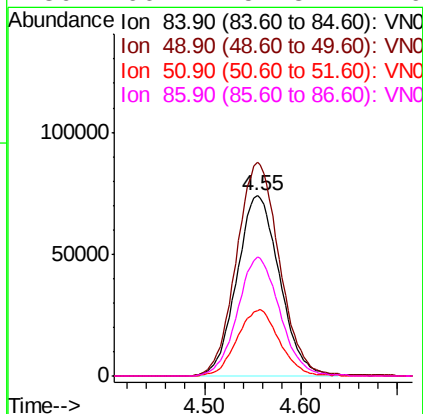
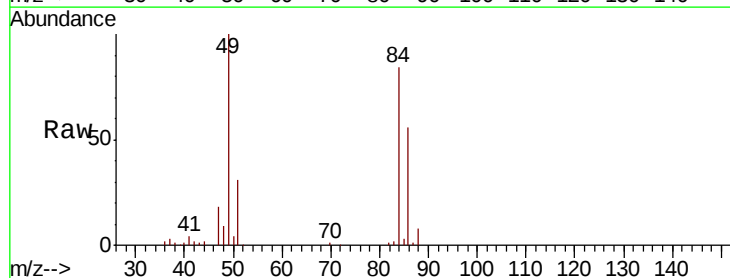
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

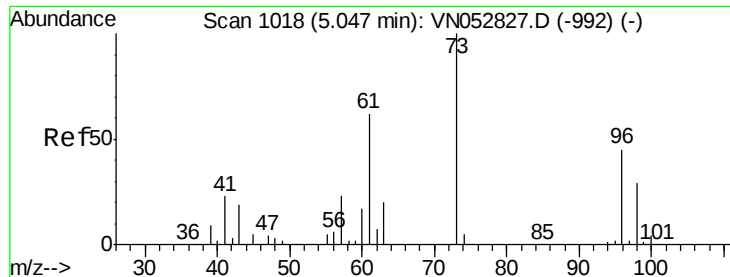
Tot Ion: 73 Resp: 548144
Ion Ratio Lower Upper
73 100
57 23.4 18.4 27.6



#20
Methylene Chloride
Concen: 19.604 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 84 Resp: 227245
Ion Ratio Lower Upper
84 100
49 118.7 96.8 145.2
51 36.6 29.9 44.9
86 66.1 51.8 77.6

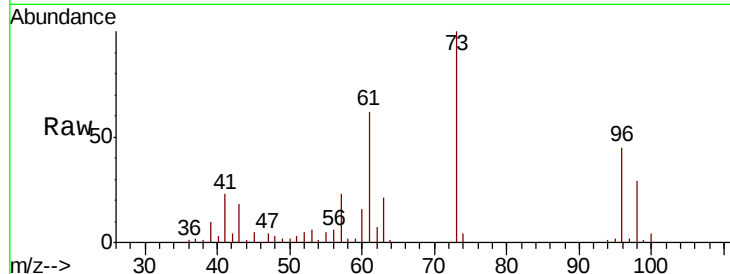




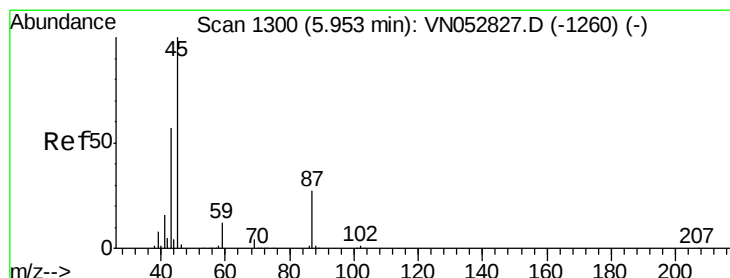
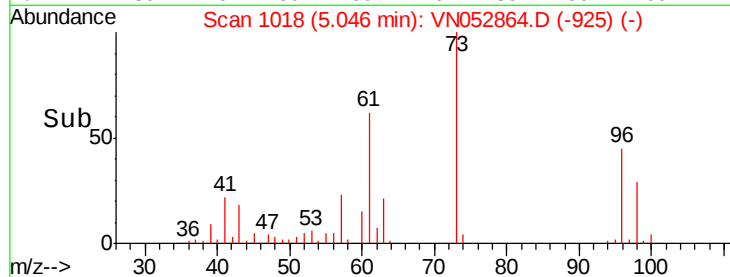
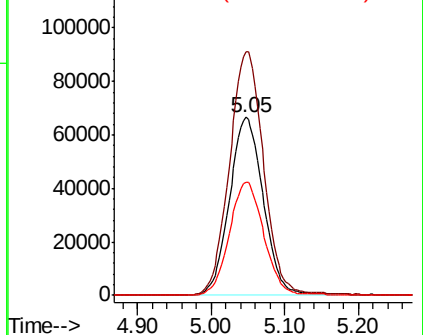
#21
trans-1,2-Dichloroethene
Concen: 19.805 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion: 96 Resp: 212781
Ion Ratio Lower Upper
96 100
61 136.7 110.8 166.2
98 63.7 51.4 77.2

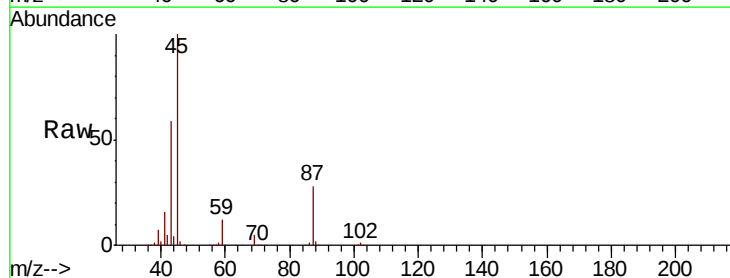


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

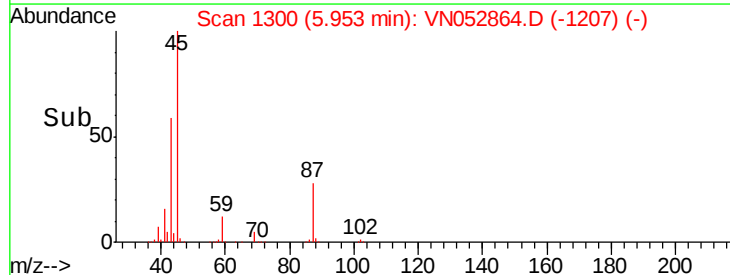
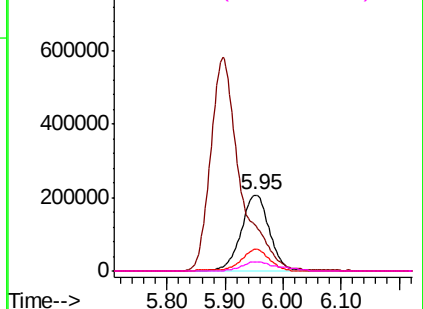


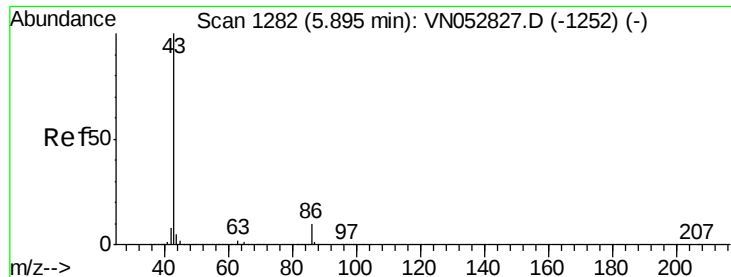
#22
Diisopropyl ether
Concen: 20.388 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 45 Resp: 704509
Ion Ratio Lower Upper
45 100
43 58.1 45.5 68.3
87 28.4 22.0 33.0
59 12.2 9.4 14.0



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

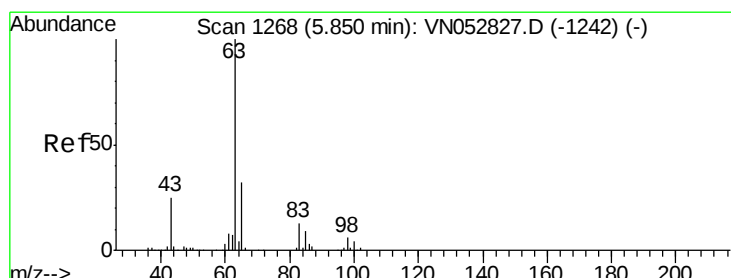
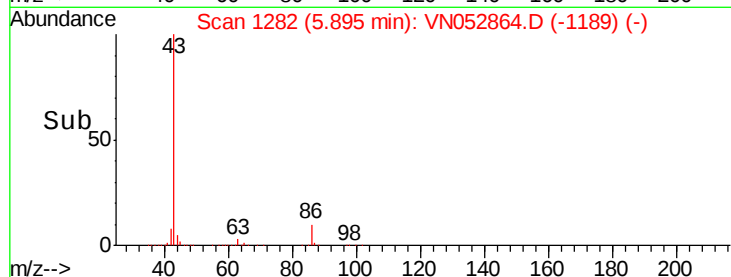
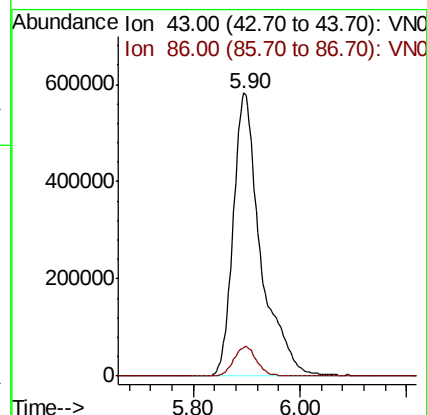
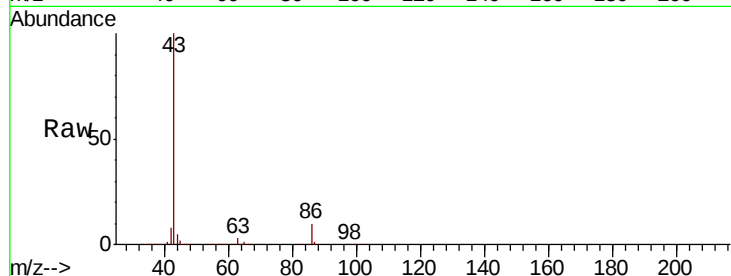




#23
 Vinyl Acetate
 Concen: 100.894 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

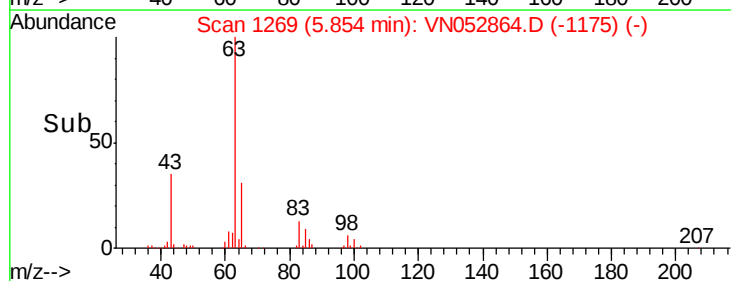
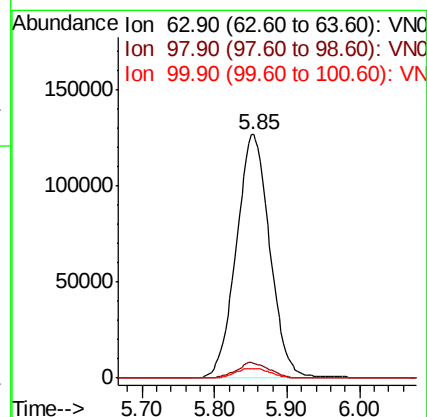
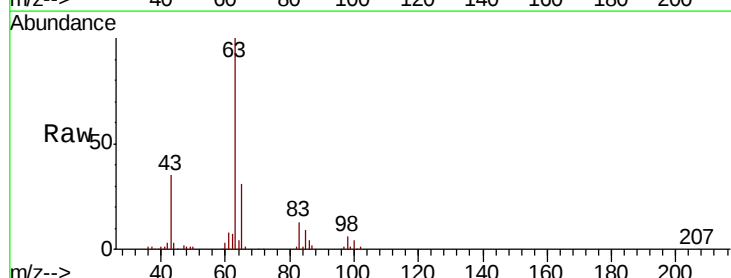
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

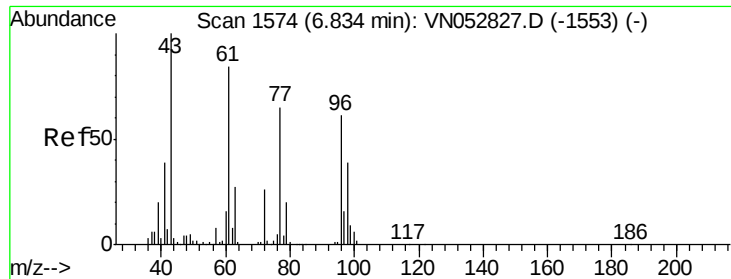
Tot Ion: 43 Resp: 2074522
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 20.482 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Tgt Ion: 63 Resp: 408150
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.1 9.4
 100 3.8 2.0 5.8





#25

2-Butanone

Concen: 94.125 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

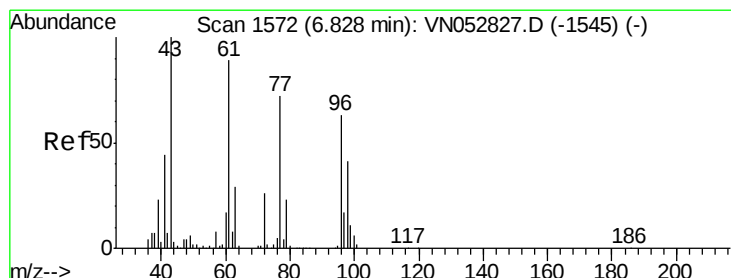
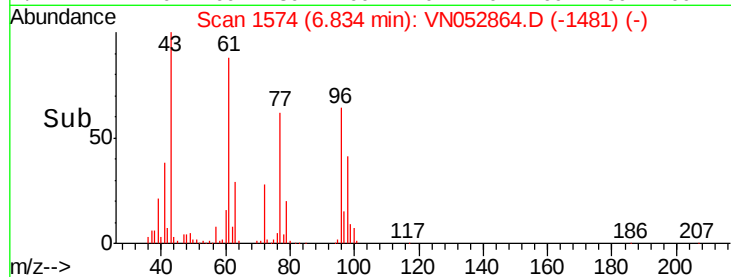
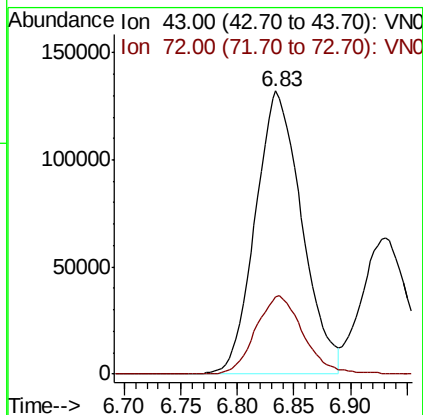
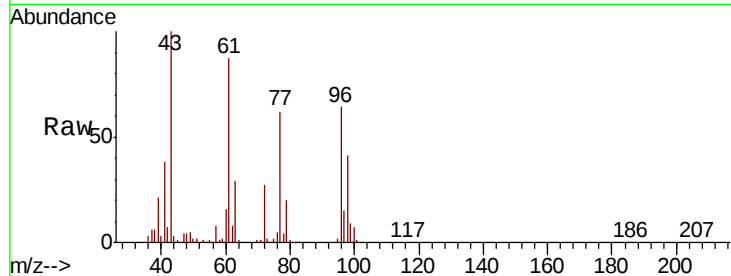
VN1213WBS01

Tot Ion: 43 Resp: 376189

Ion Ratio Lower Upper

43 100

72 27.5 21.0 31.6



#26

2,2-Dichloropropane

Concen: 18.249 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052864.D

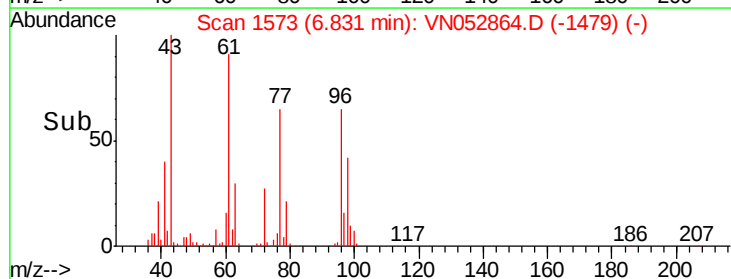
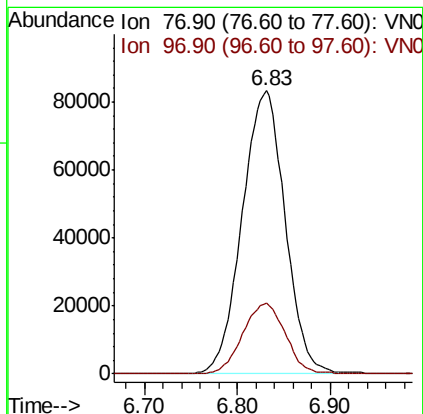
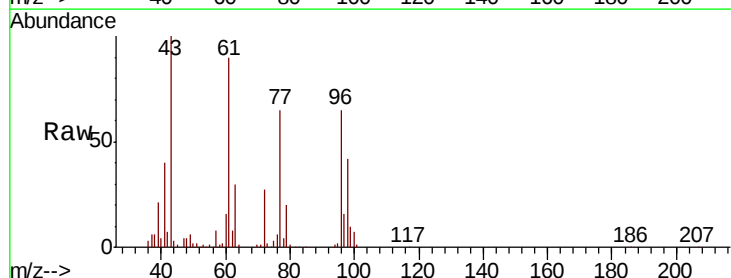
Acq: 13 Dec 2018 15:07

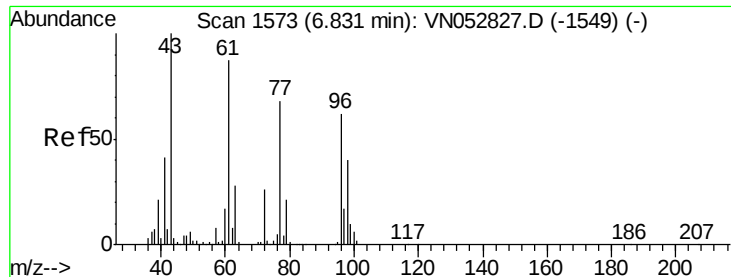
Tgt Ion: 77 Resp: 267798

Ion Ratio Lower Upper

77 100

97 24.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.247 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

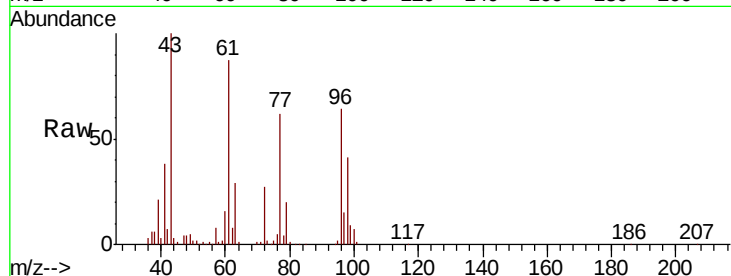
Tot Ion: 96 Resp: 246888

Ion Ratio Lower Upper

96 100

61 139.7 0.0 284.2

98 64.6 0.0 129.2

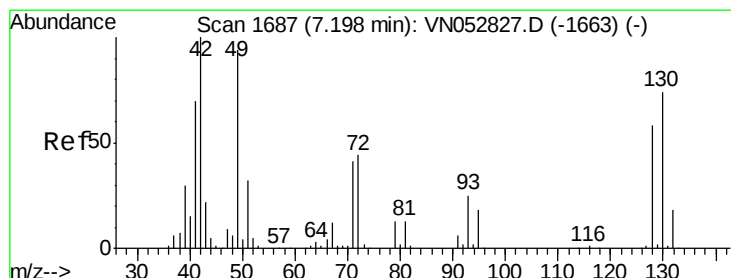
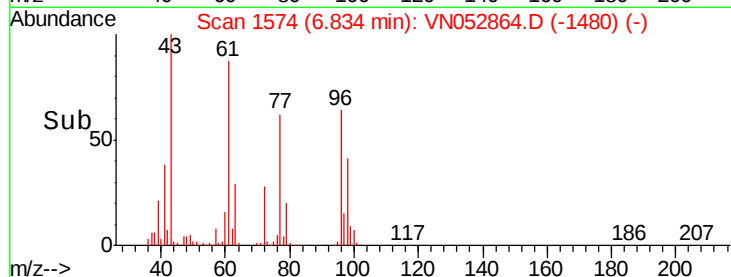
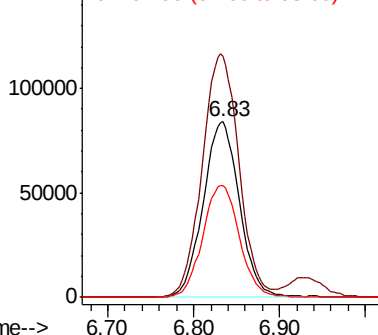


Abundance

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



#28

Bromochloromethane

Concen: 20.449 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

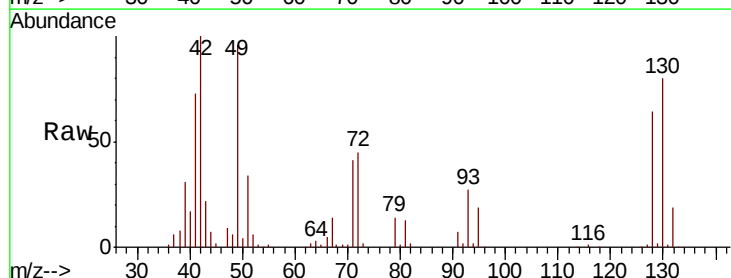
Tgt Ion: 49 Resp: 182975

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 82.5 63.3 94.9

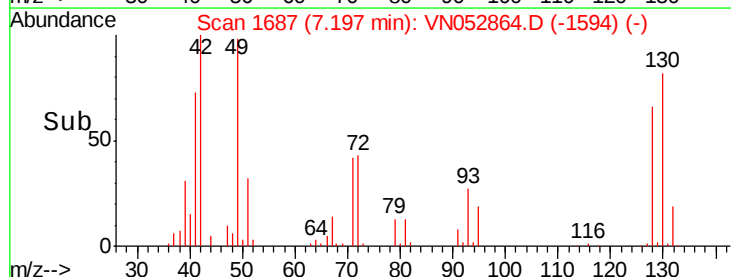
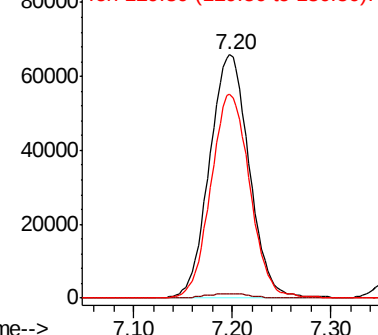


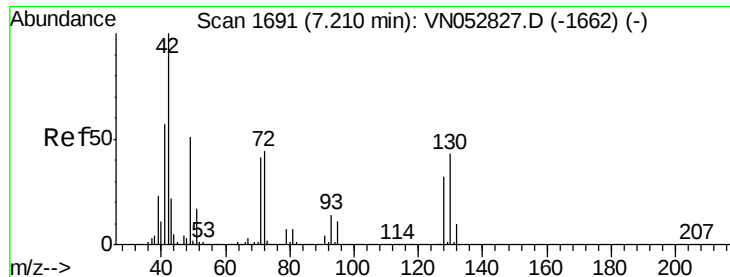
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 98.524 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

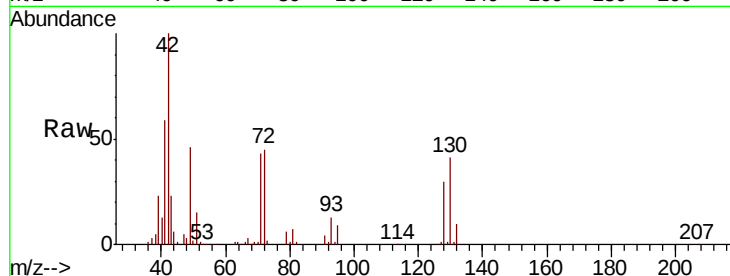
Tot Ion: 42 Resp: 268821

Ion Ratio Lower Upper

42 100

72 44.7 34.7 52.1

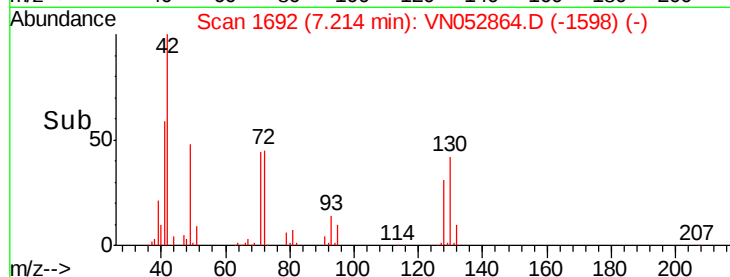
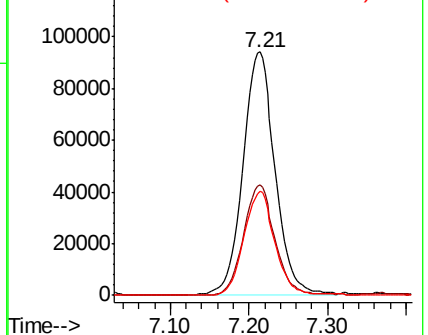
71 41.5 32.3 48.5



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: 20.189 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN052864.D

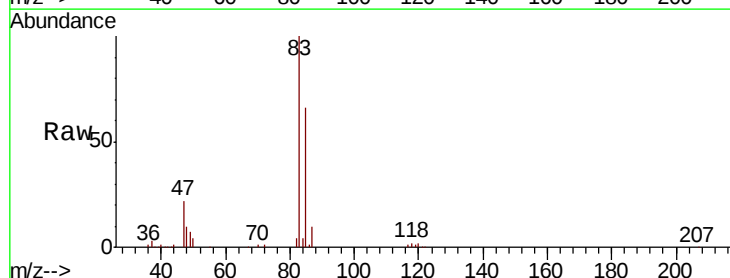
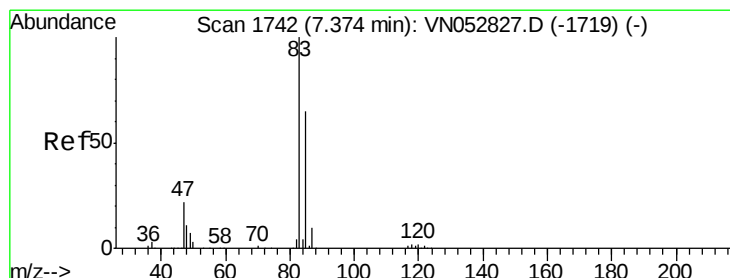
Acq: 13 Dec 2018 15:07

Tgt Ion: 83 Resp: 392315

Ion Ratio Lower Upper

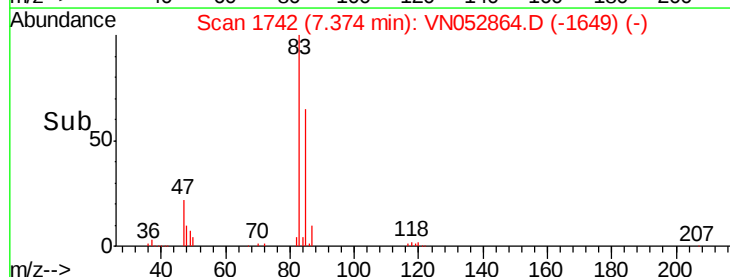
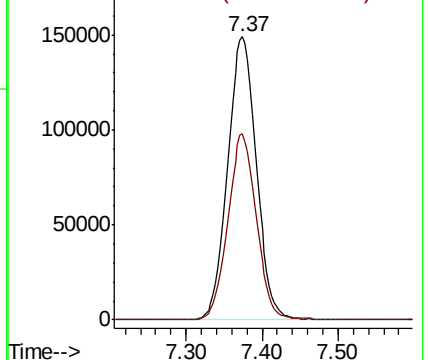
83 100

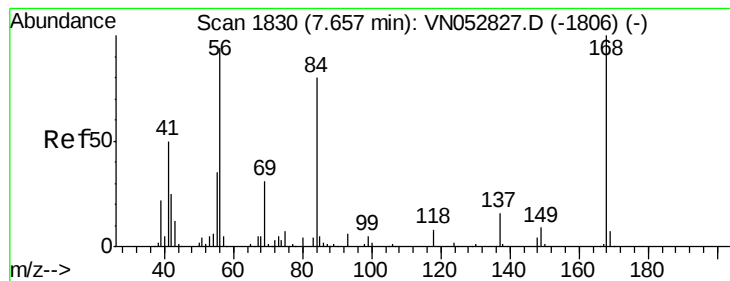
85 65.6 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.569 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

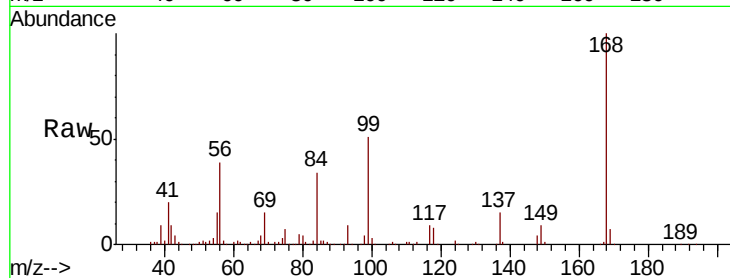
Tot Ion: 56 Resp: 387180

Ion Ratio Lower Upper

56 100

69 38.1 26.6 39.8

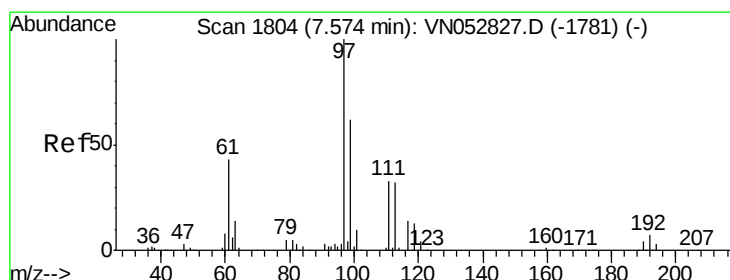
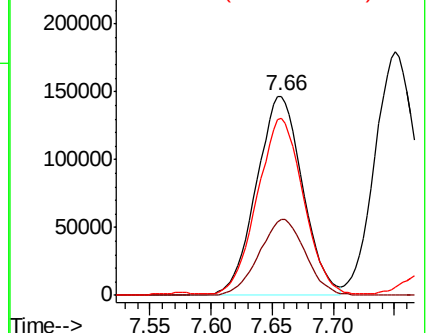
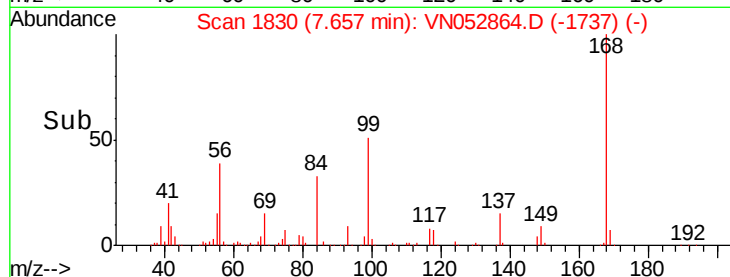
84 88.0 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN052864.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN052864.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN052864.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 19.618 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

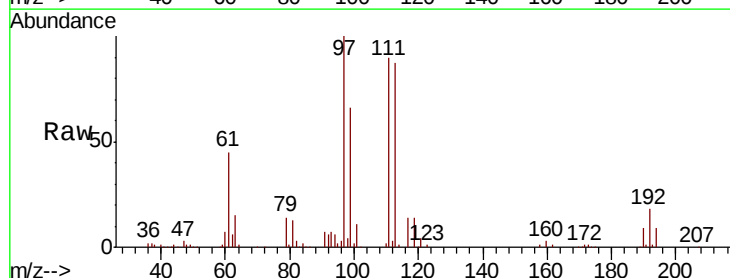
Tgt Ion: 97 Resp: 318951

Ion Ratio Lower Upper

97 100

99 64.4 51.1 76.7

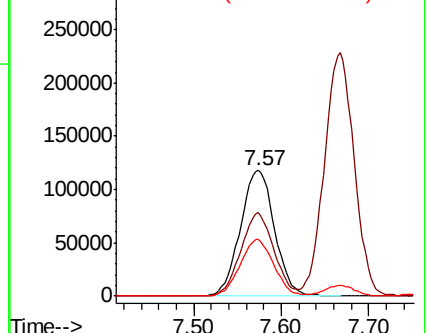
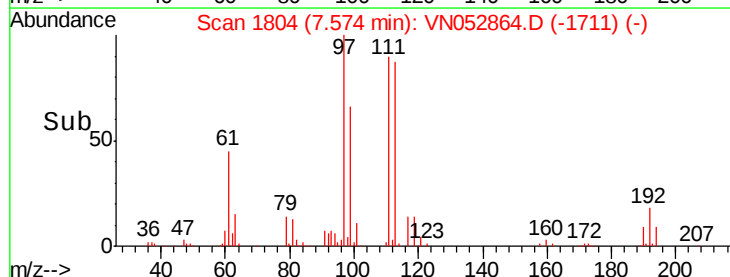
61 44.9 35.0 52.6

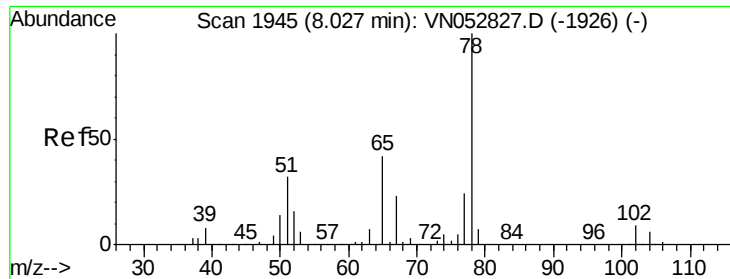


Abundance Ion 96.90 (96.60 to 97.60): VN052864.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN052864.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN052864.D (-1711) (-)

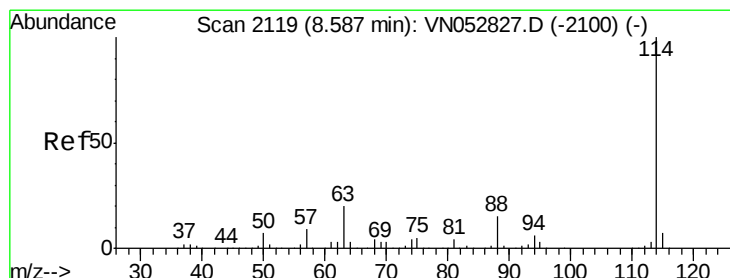
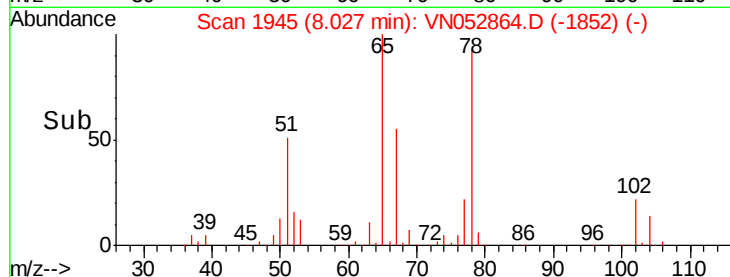
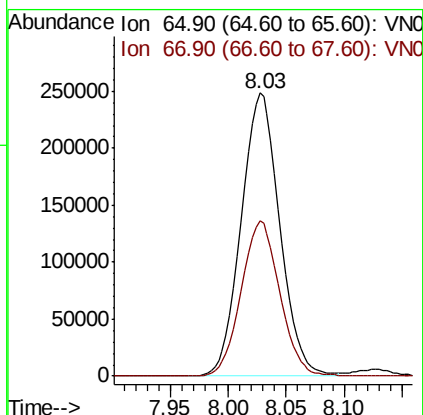
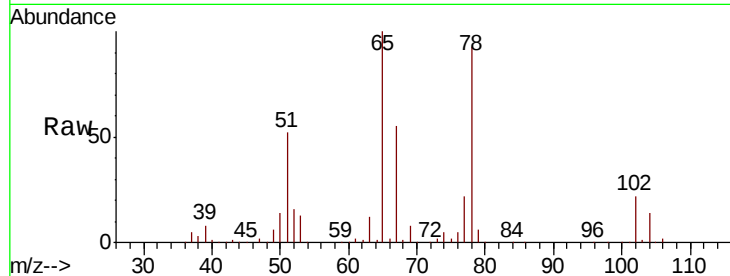




#33
 1,2-Dichloroethane-d4
 Concen: 19.618 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

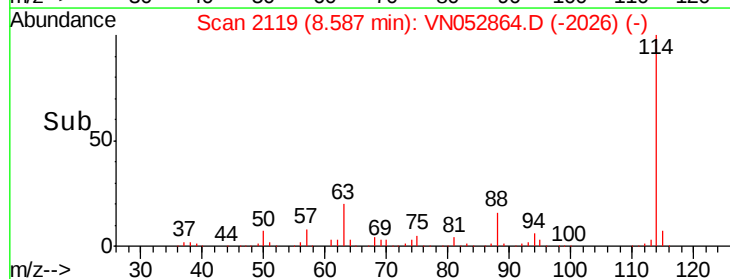
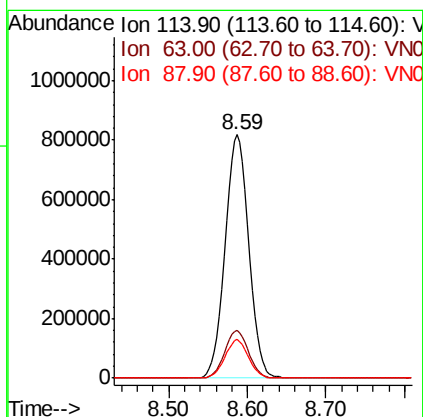
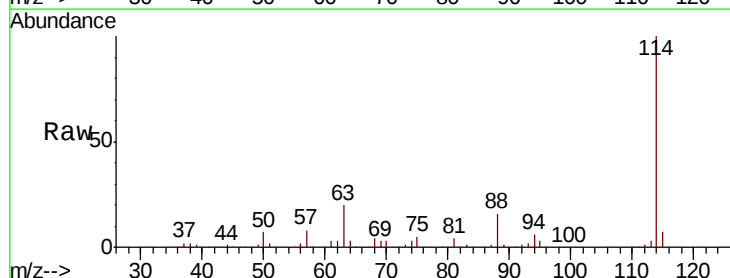
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

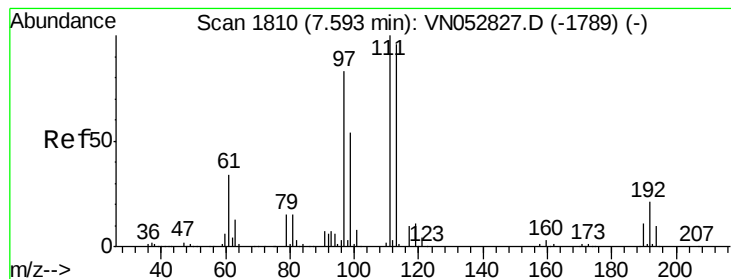
Tot Ion: 65 Resp: 574546
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Tgt Ion: 114 Resp: 1688225
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.7 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: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

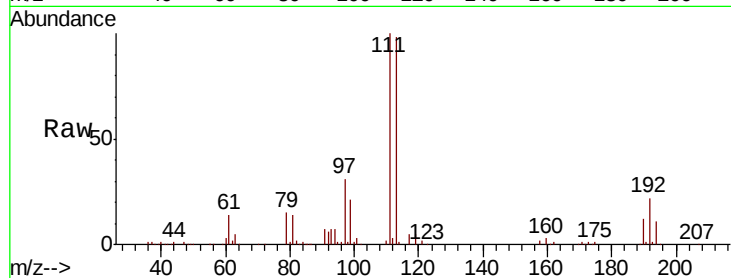
Tot Ion:113 Resp: 475718

Ion Ratio Lower Upper

113 100

111 101.5 83.0 124.4

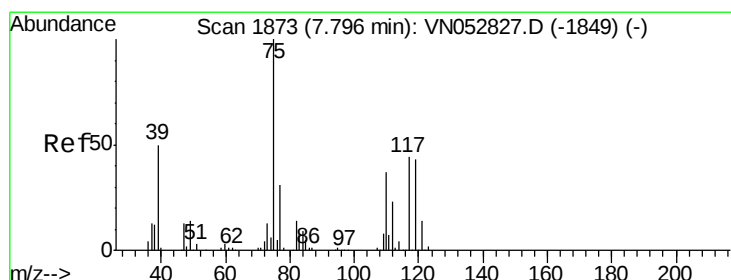
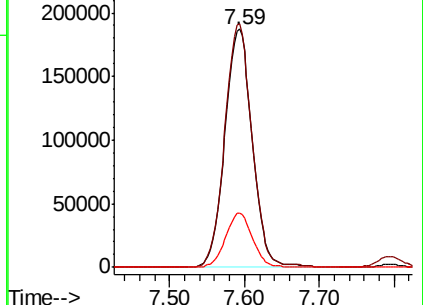
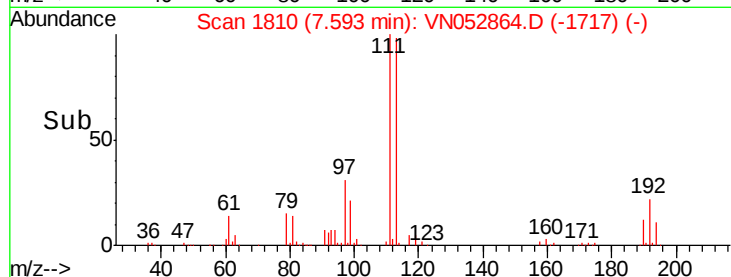
192 22.4 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.547 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

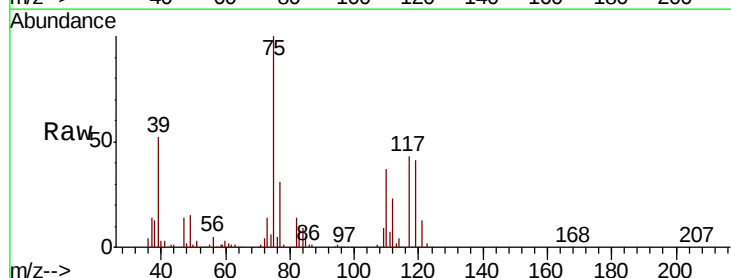
Tgt Ion: 75 Resp: 303889

Ion Ratio Lower Upper

75 100

110 36.0 18.2 54.6

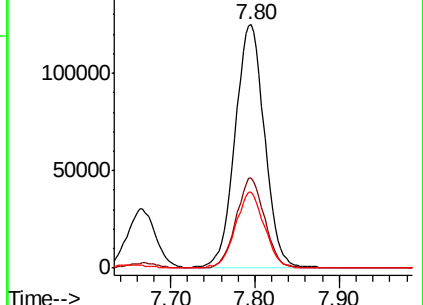
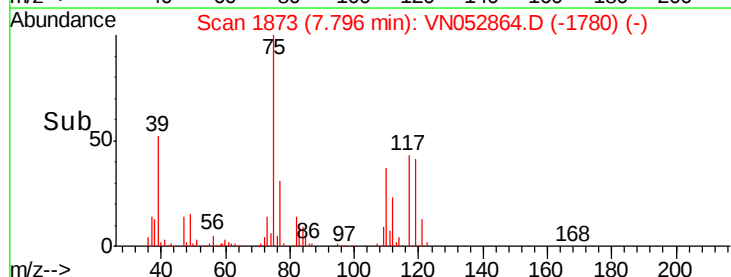
77 31.0 24.9 37.3

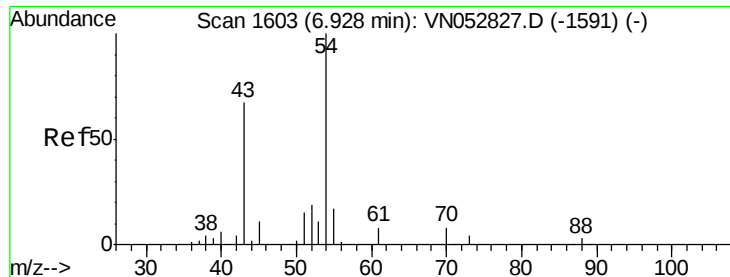


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

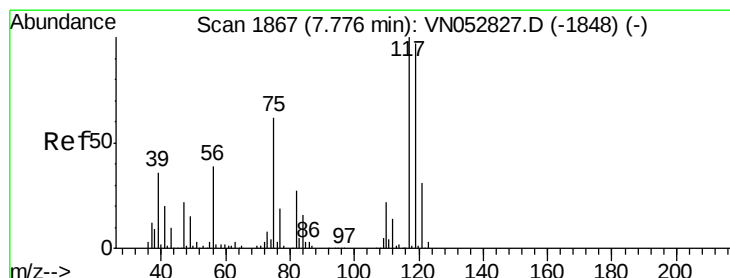
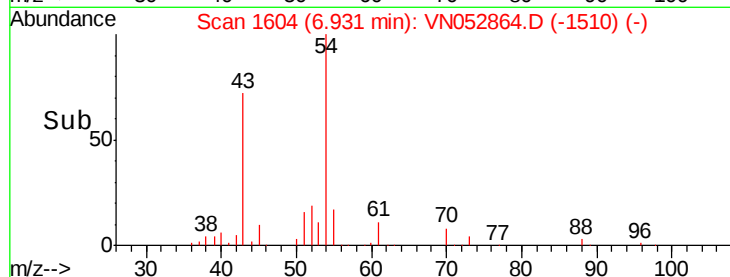
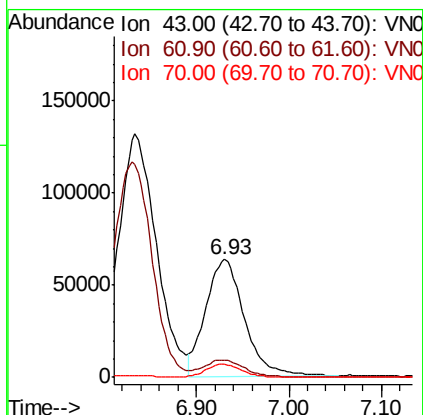
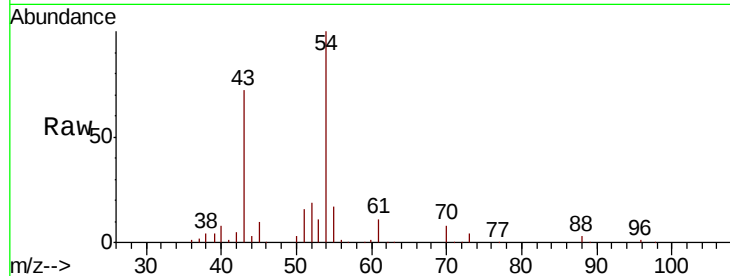




#37
Ethyl Acetate
Concen: 19.627 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

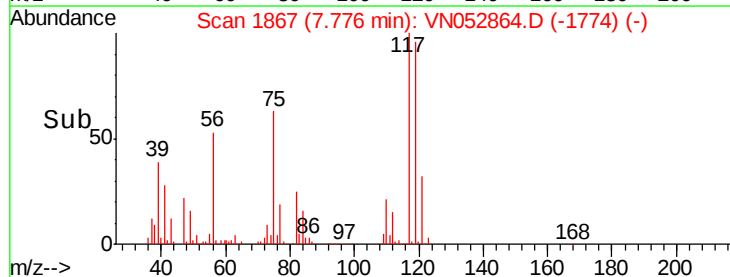
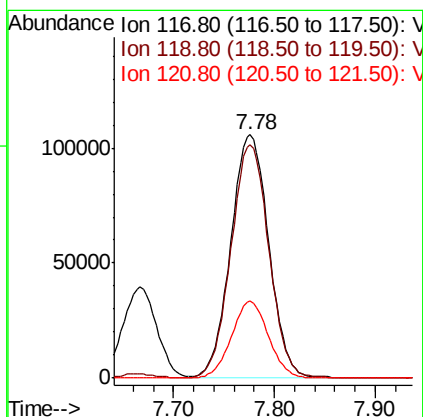
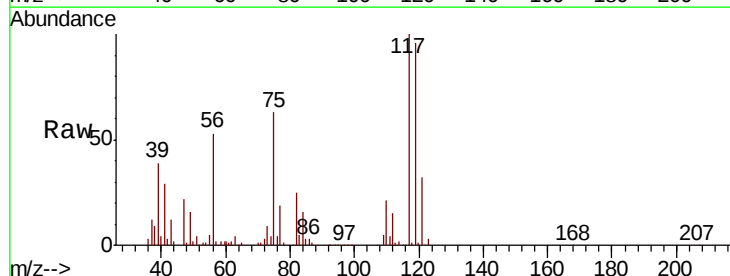
Instrument :
MSVOA_N
ClientSampled :
VN1213WBS01

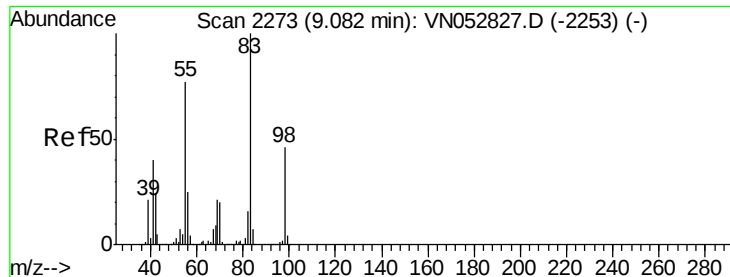
Tot Ion: 43 Resp: 183302
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.296 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 117 Resp: 276113
Ion Ratio Lower Upper
117 100
119 95.5 77.1 115.7
121 31.7 24.9 37.3

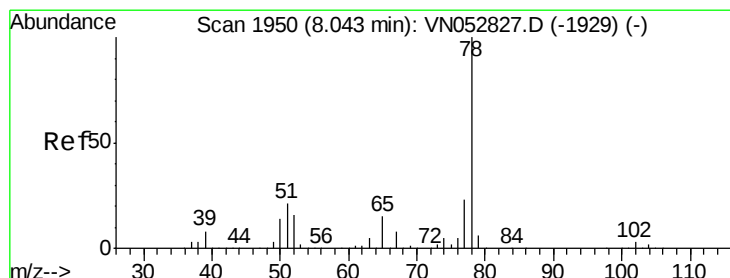
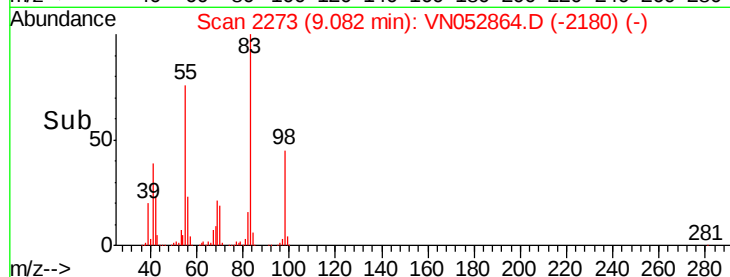
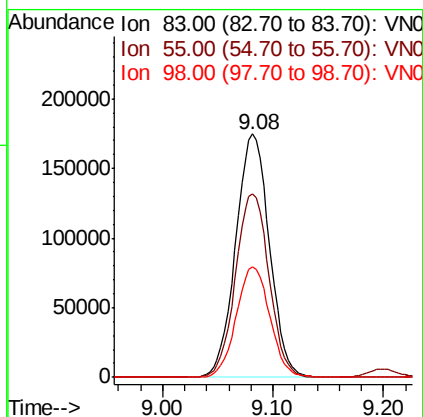
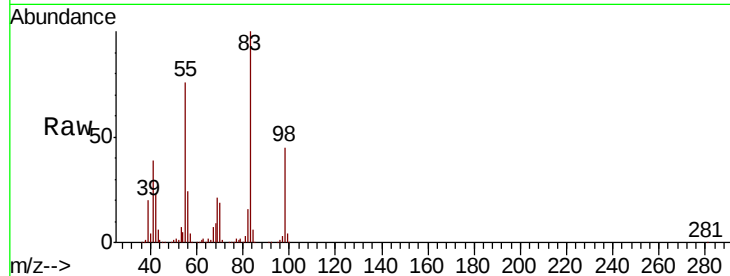




#39
Methvlcvclohexane
Concen: 19.373 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

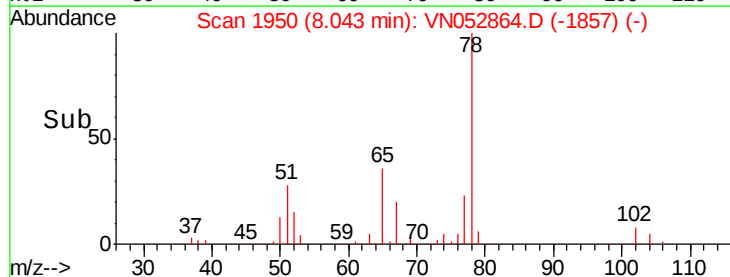
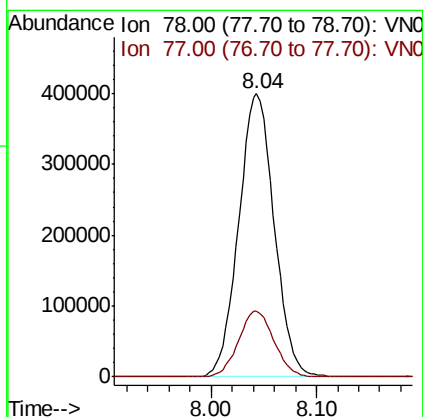
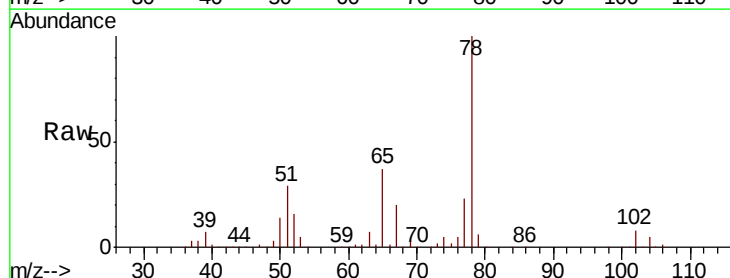
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

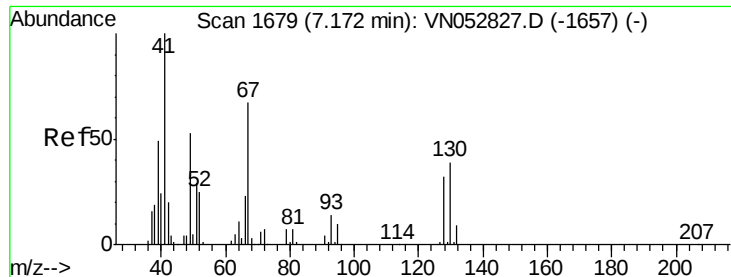
Tot Ion: 83 Resp: 369603
Ion Ratio Lower Upper
83 100
55 75.6 61.3 91.9
98 45.3 37.0 55.4



#40
Benzene
Concen: 20.037 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 78 Resp: 934921
Ion Ratio Lower Upper
78 100
77 23.3 18.5 27.7

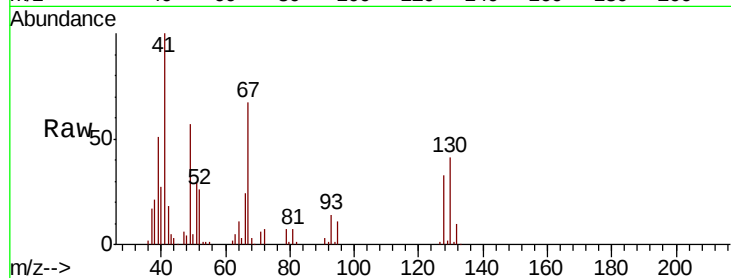




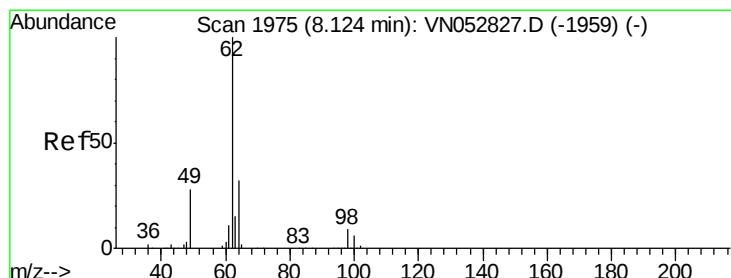
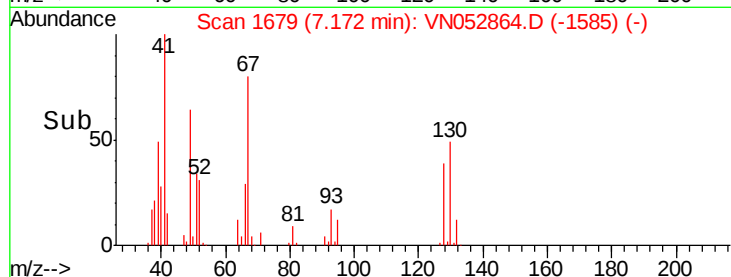
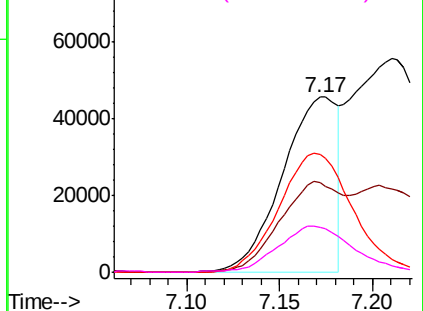
#41
Methacrylonitrile
Concen: 18.156 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampled :
VN1213WBS01

Tot Ion:	41	Resp:	93950
Ion	Ratio	Lower	Upper
41	100		
39	60.8	48.0	72.0
67	92.0	70.3	105.5
52	36.5	26.9	40.3

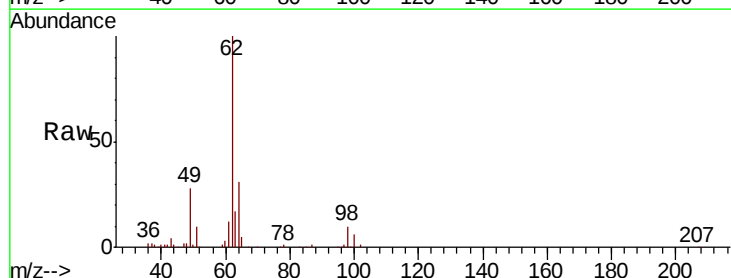


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

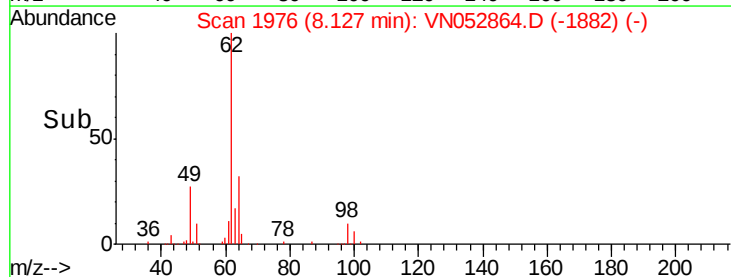
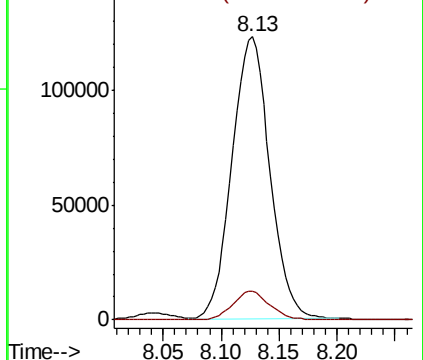


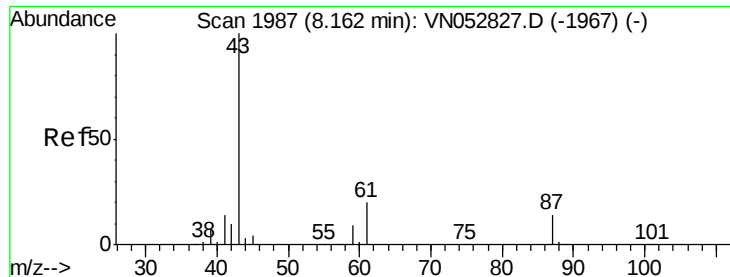
#42
1,2-Dichloroethane
Concen: 19.817 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion:	62	Resp:	278376
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0



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





#43

Isopropyl Acetate

Concen: 17.861 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

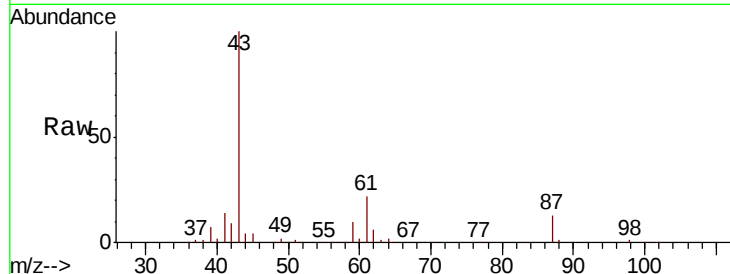
Tot Ion: 43 Resp: 341996

Ion Ratio Lower Upper

43 100

61 28.8 22.9 34.3

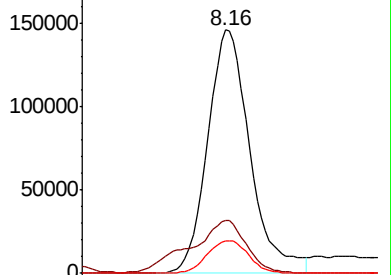
87 13.2 10.6 15.8



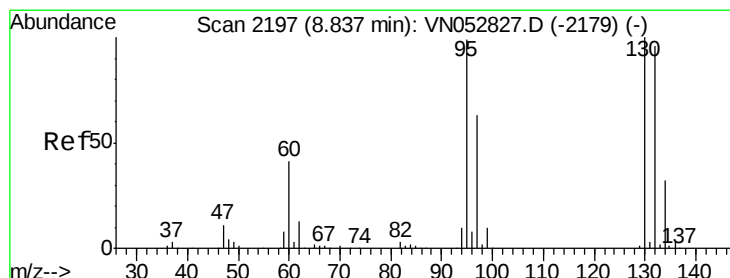
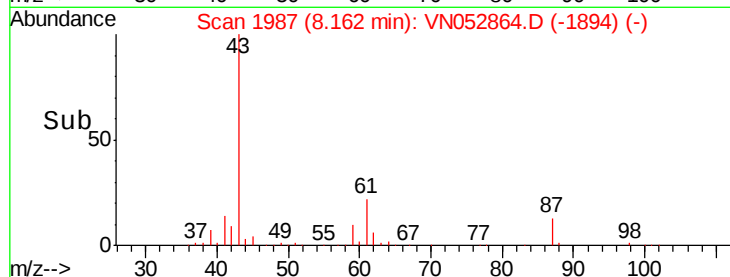
Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

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: 19.661 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052864.D

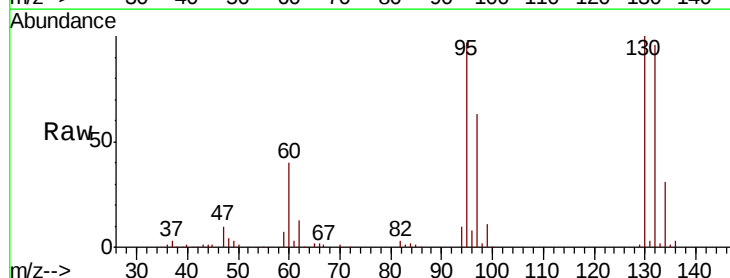
Acq: 13 Dec 2018 15:07

Tgt Ion:130 Resp: 247800

Ion Ratio Lower Upper

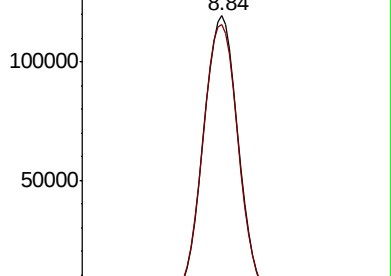
130 100

95 96.9 0.0 197.8

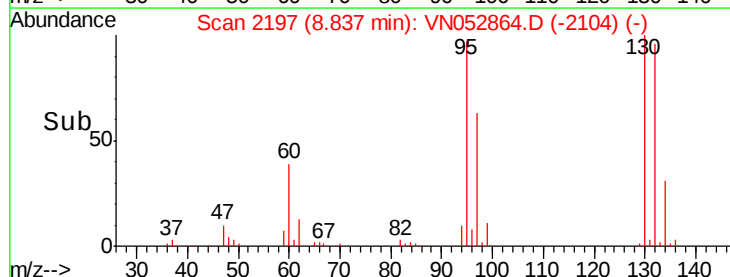


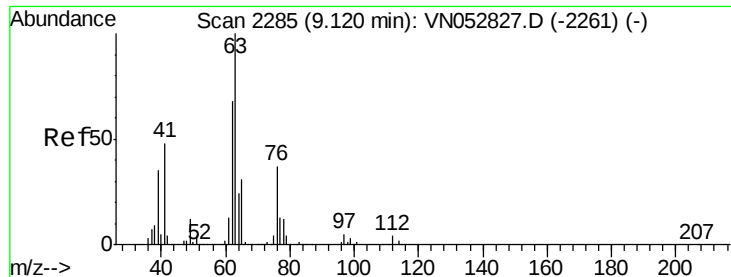
Abundance Ion 129.80 (129.50 to 130.50): VN052827.D (-2179) (-)

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



Time-->





#45

1,2-Dichloropropane

Concen: 20.135 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

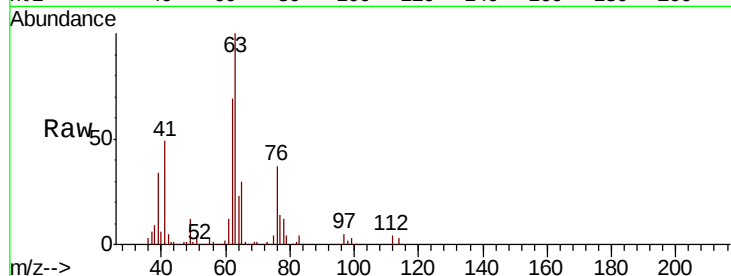
VN1213WBS01

Tot Ion: 63 Resp: 246080

Ion Ratio Lower Upper

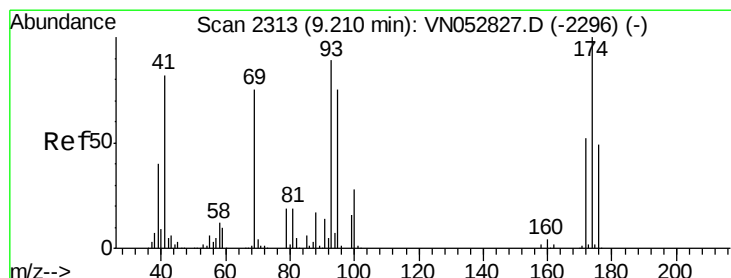
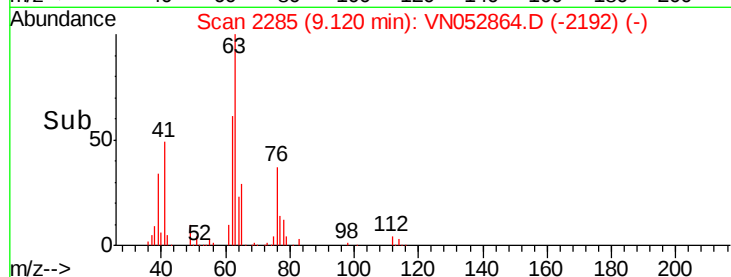
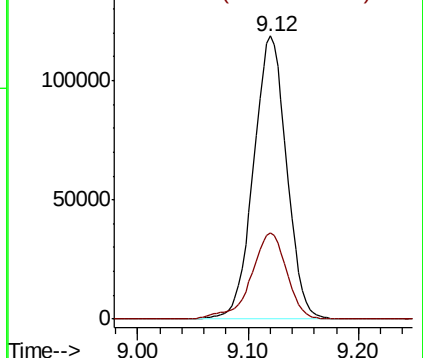
63 100

65 30.2 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.589 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

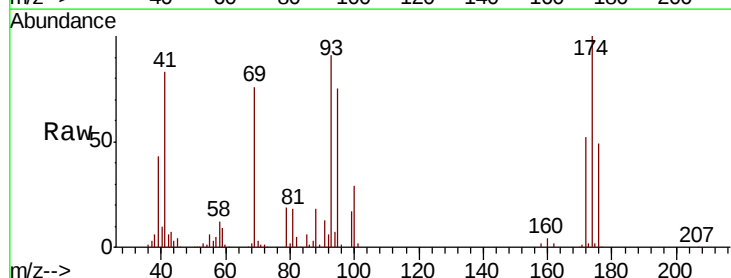
Tgt Ion: 93 Resp: 138841

Ion Ratio Lower Upper

93 100

95 83.4 67.8 101.6

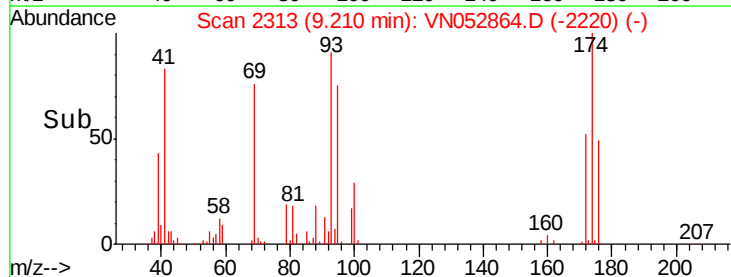
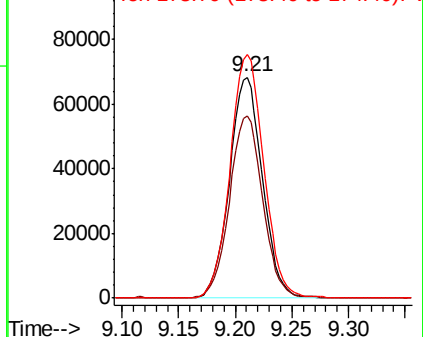
174 112.7 89.0 133.4

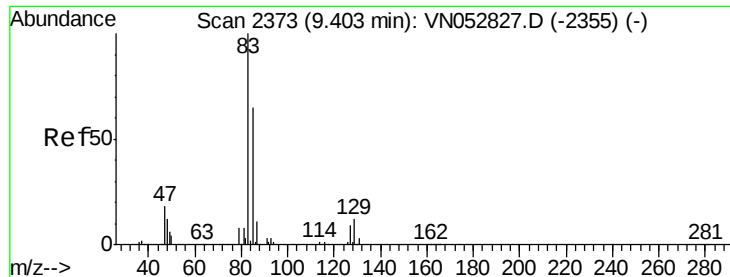


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.413 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

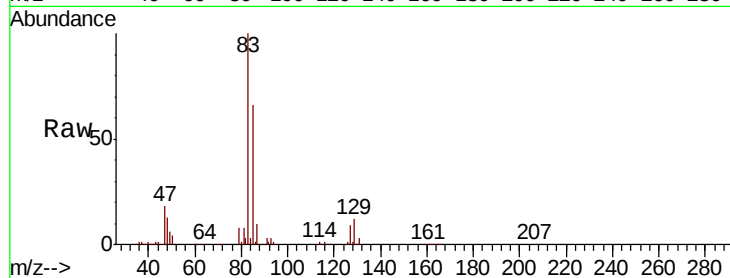
Tot Ion: 83 Resp: 285334

Ion Ratio Lower Upper

83 100

85 65.7 51.6 77.4

127 8.8 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN052827.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN052827.D (-2355) (-)

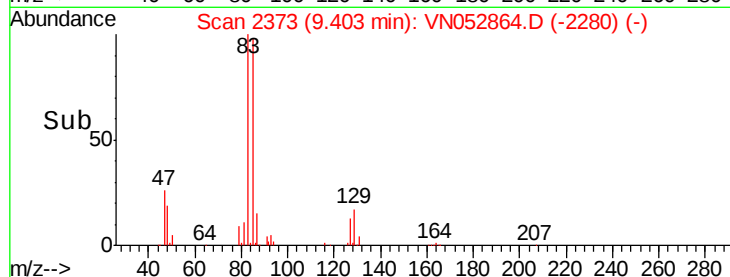
150000

100000

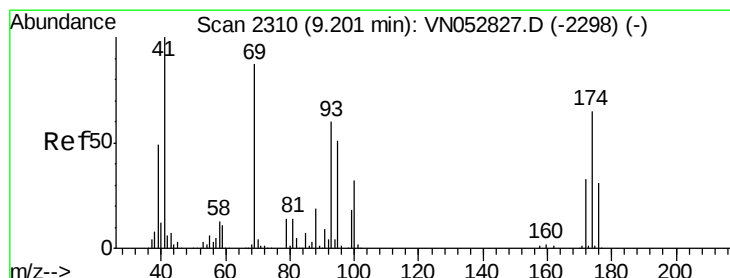
50000

0

9.30 9.35 9.40 9.45 9.50



Time-->



#48

Methyl methacrylate

Concen: 19.675 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

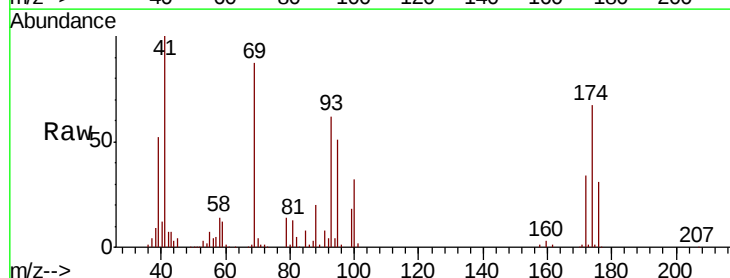
Tgt Ion: 41 Resp: 165216

Ion Ratio Lower Upper

41 100

69 91.6 72.2 108.2

39 53.6 41.9 62.9



Abundance Ion 41.00 (40.70 to 41.70): VN052827.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN052827.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN052827.D (-2298) (-)

120000

100000

80000

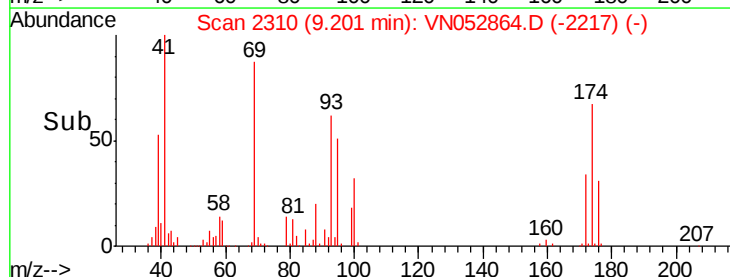
60000

40000

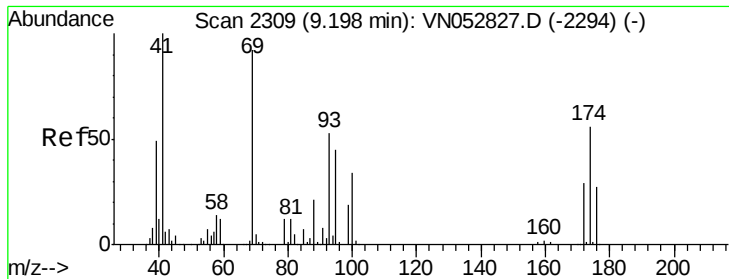
20000

0

9.15 9.20 9.25



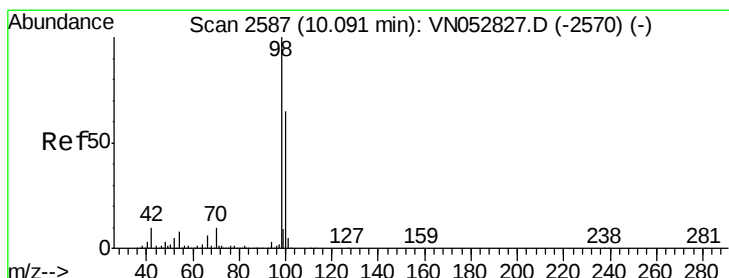
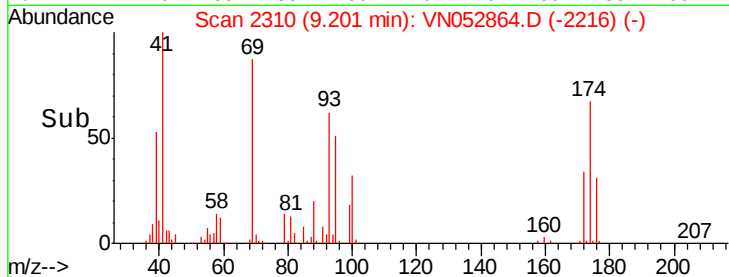
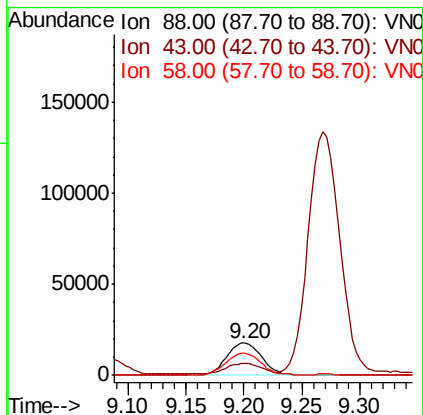
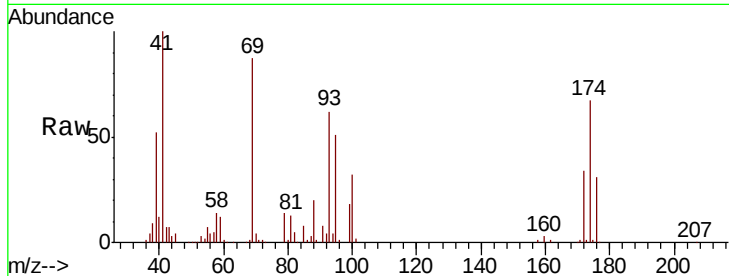
Time-->



#49
 1,4-Dioxane
 Concen: 395.297 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

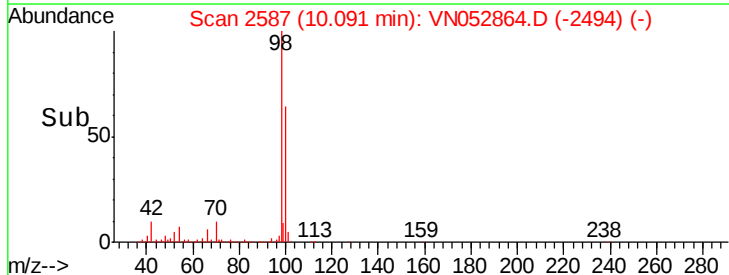
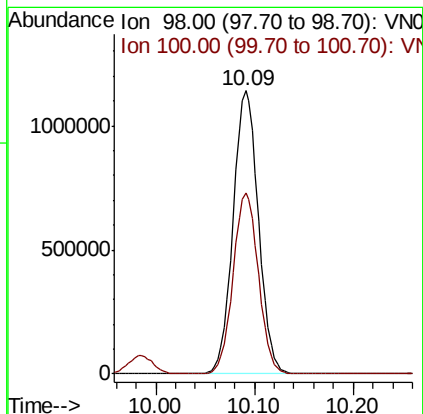
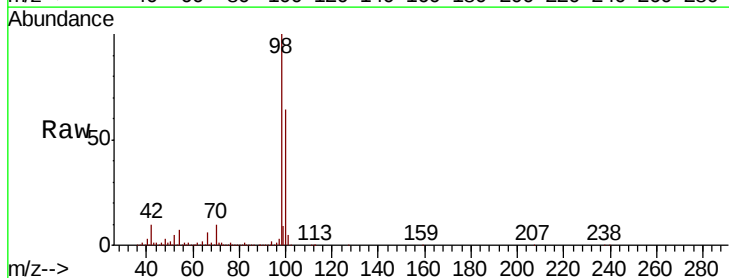
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

Tot Ion: 88 Resp: 37678
 Ion Ratio Lower Upper
 88 100
 43 33.1 26.6 40.0
 58 69.0 58.4 87.6



#50
 Toluene-d8
 Concen: 395.297 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Tgt Ion: 98 Resp: 2037639
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.6 77.4

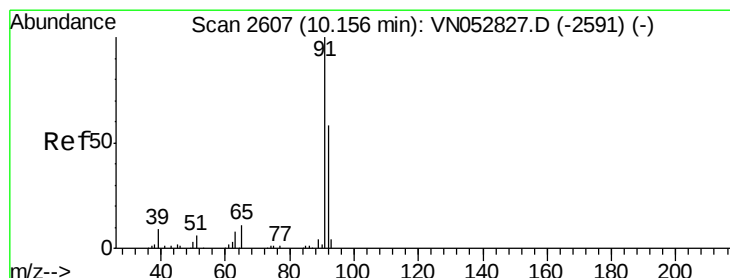
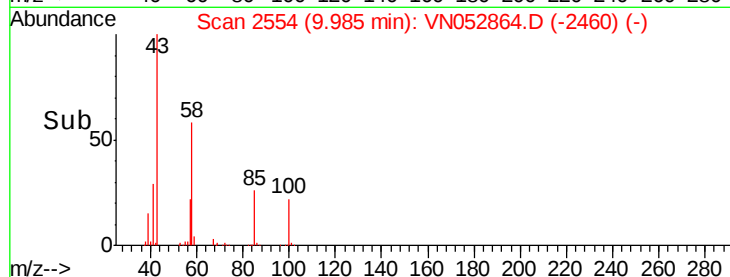
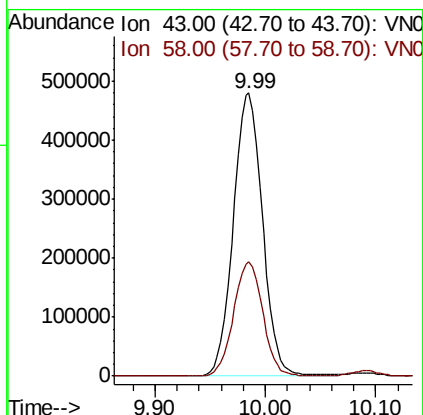
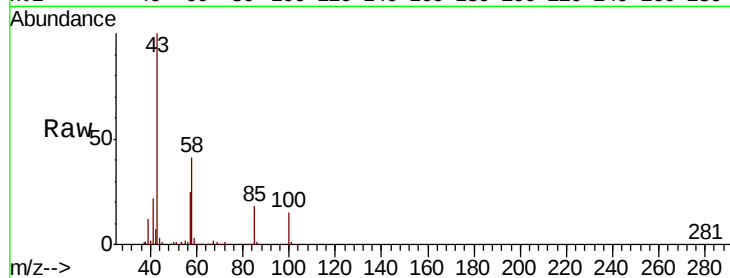




#51
4-Methyl-2-Pentanone
Concen: 100.219 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

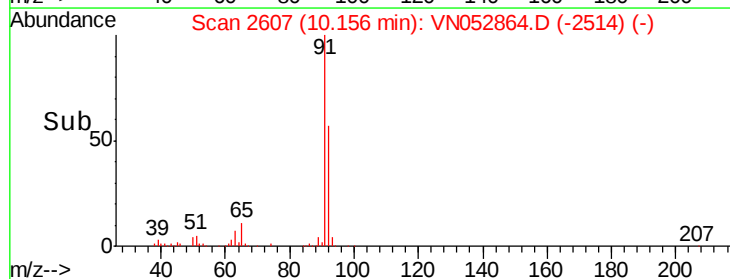
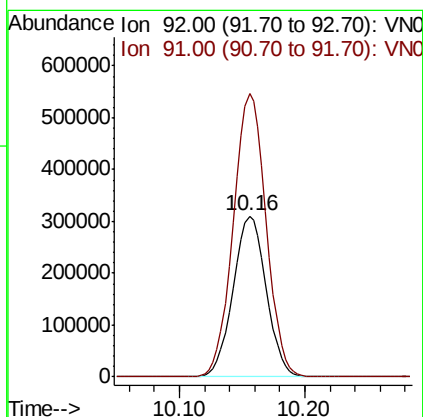
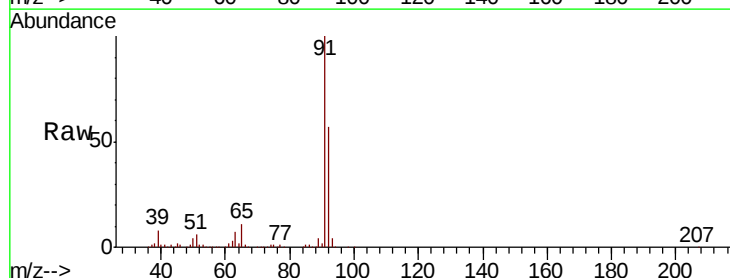
Instrument :
MSVOA_N
ClientSampled :
VN1213WBS01

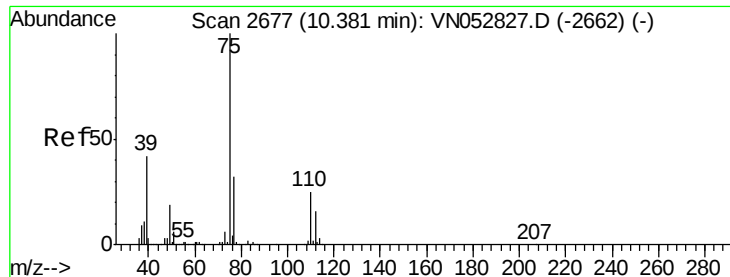
Tot Ion: 43 Resp: 879939
Ion Ratio Lower Upper
43 100
58 40.5 32.2 48.4



#52
Toluene
Concen: 20.028 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 92 Resp: 565984
Ion Ratio Lower Upper
92 100
91 175.1 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 19.121 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

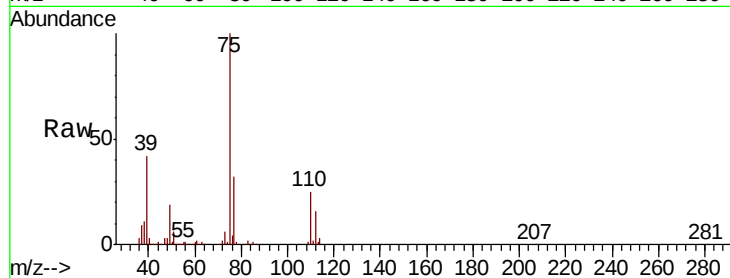
VN1213WBS01

Tot Ion: 75 Resp: 282811

Ion Ratio Lower Upper

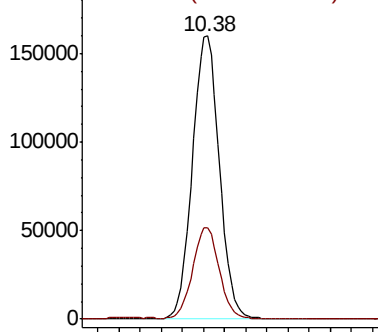
75 100

77 32.1 25.6 38.4

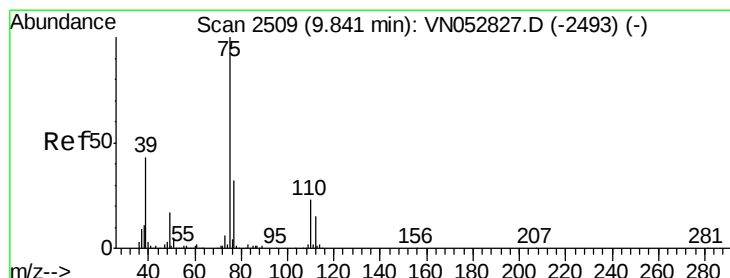
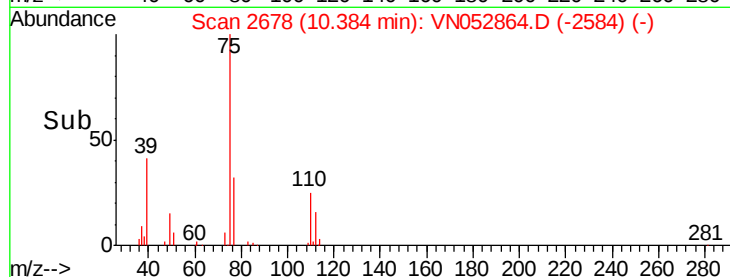


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.599 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

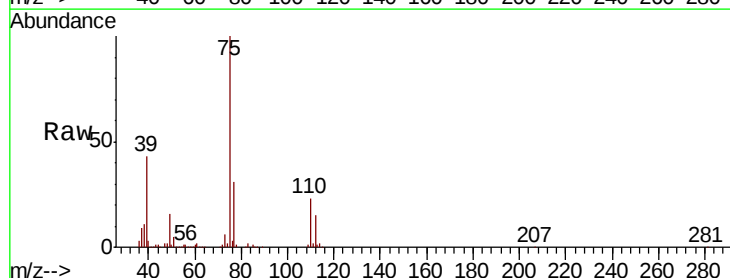
Tgt Ion: 75 Resp: 345418

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

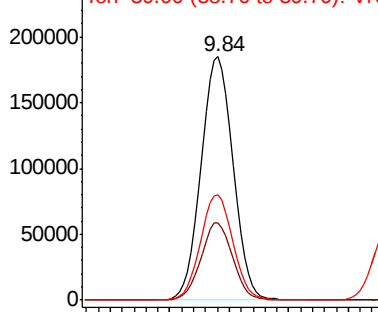
39 43.3 34.8 52.2



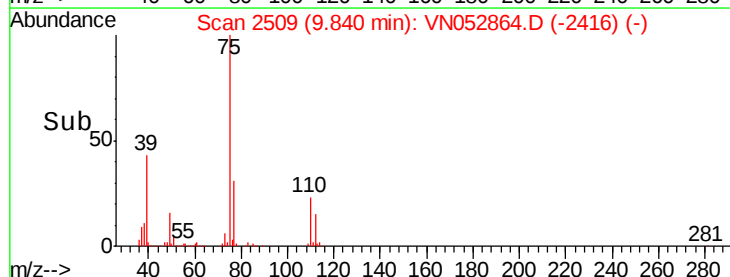
Abundance Ion 74.90 (74.60 to 75.60): VN0

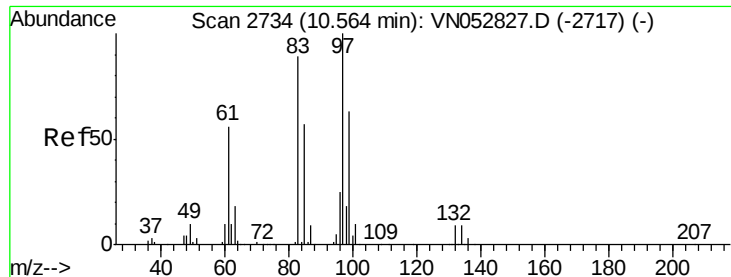
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

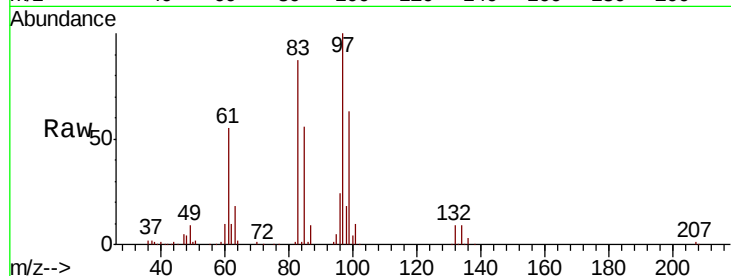




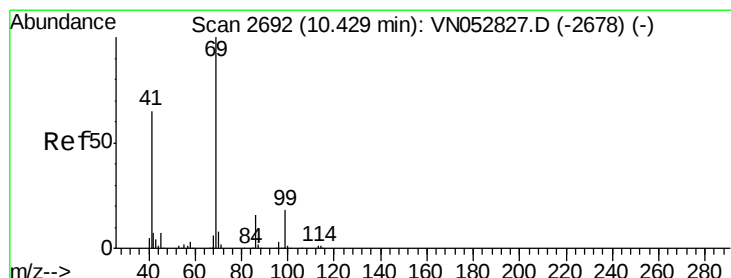
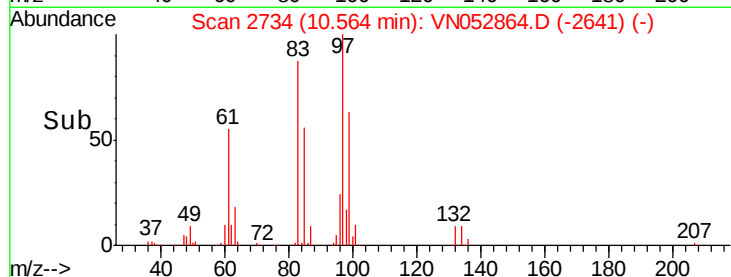
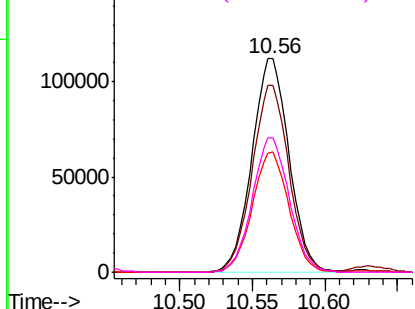
#55
 1,1,2-Trichloroethane
 Concen: 19.852 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

Tot Ion: 97 Resp: 200270
 Ion Ratio Lower Upper
 97 100
 83 87.4 70.9 106.3
 85 56.1 45.4 68.2
 99 63.1 50.4 75.6

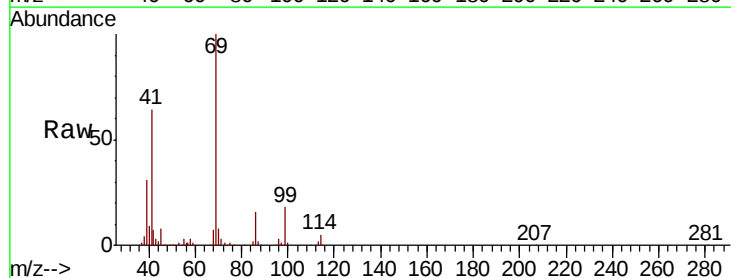


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

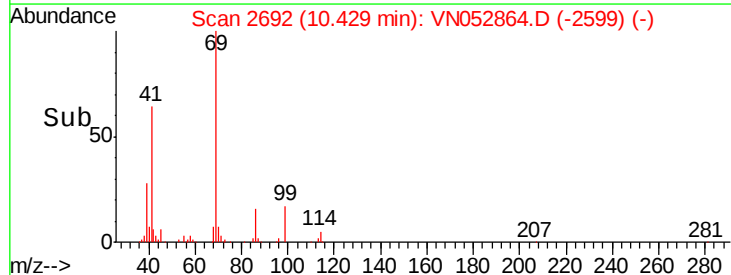
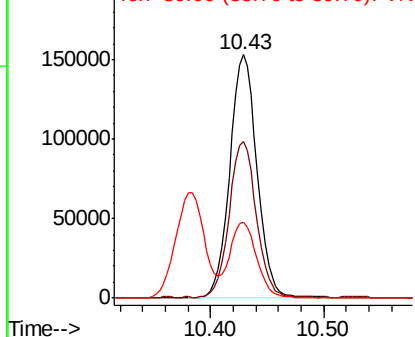


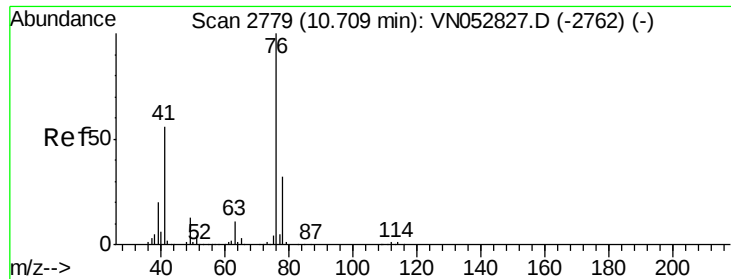
#56
 Ethyl methacrylate
 Concen: 19.795 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Tgt Ion: 69 Resp: 256279
 Ion Ratio Lower Upper
 69 100
 41 63.1 51.7 77.5
 39 31.0 24.6 37.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

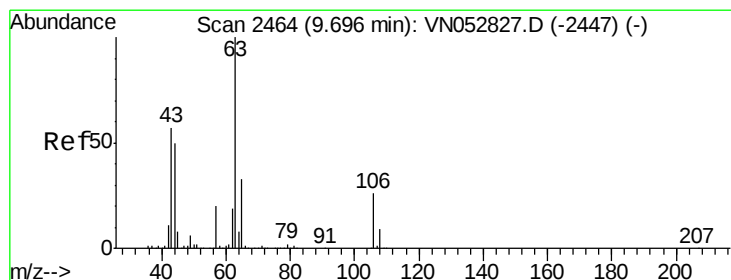
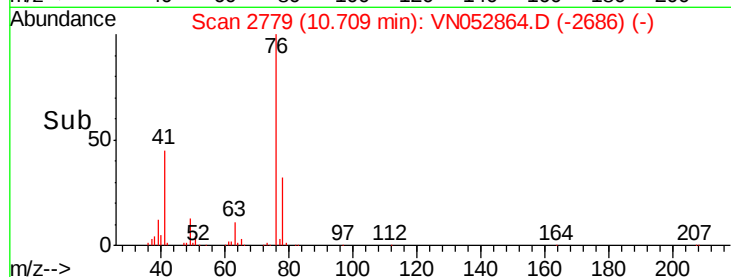
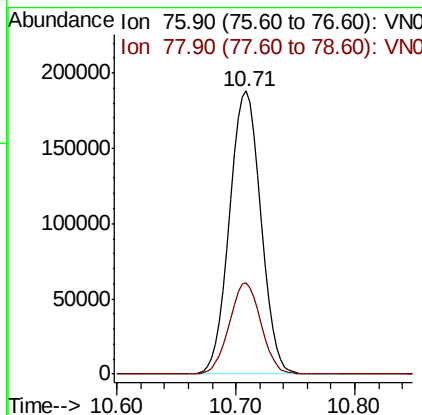
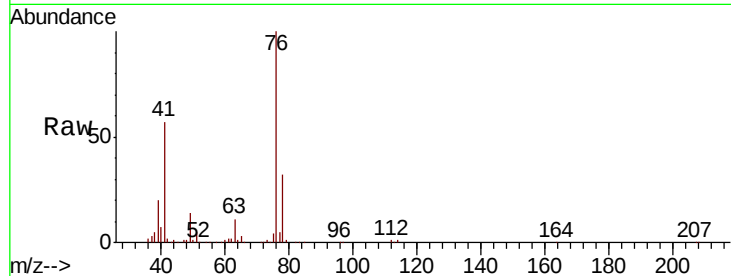




#57
 1,3-Dichloropropane
 Concen: 19.893 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

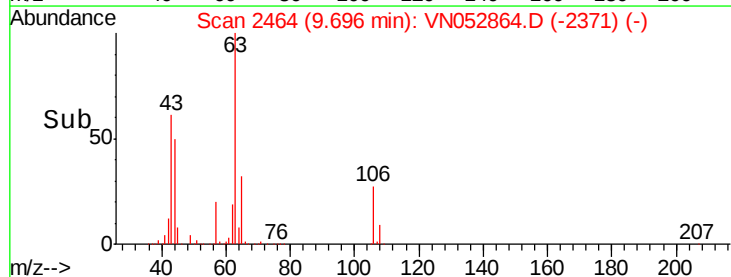
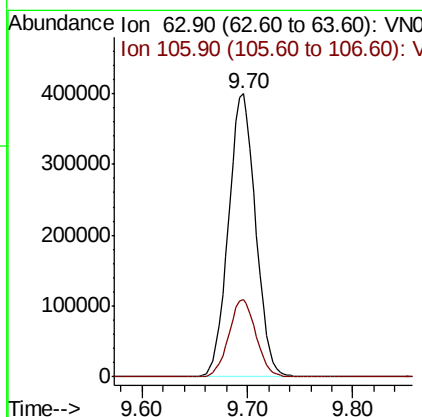
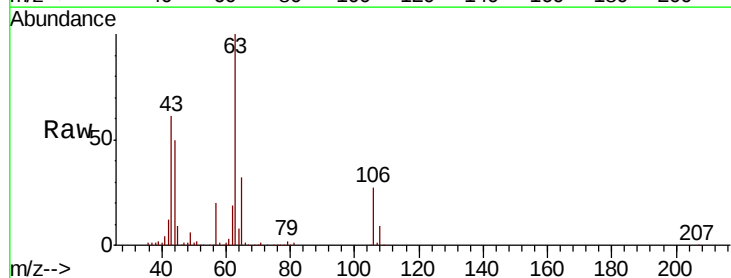
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

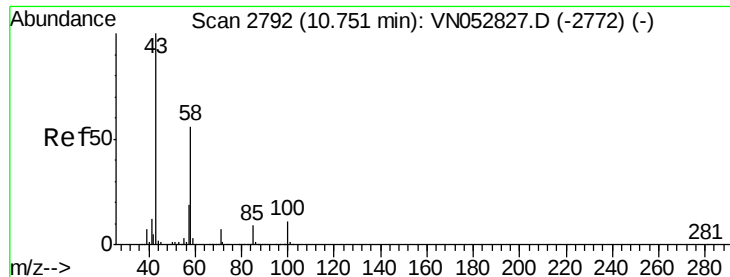
Tot Ion: 76 Resp: 344131
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.475 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Tgt Ion: 63 Resp: 711369
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.0 31.6

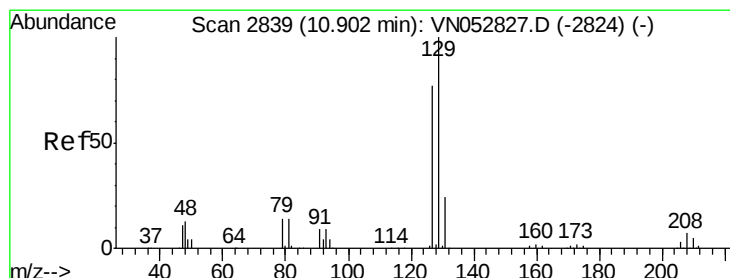
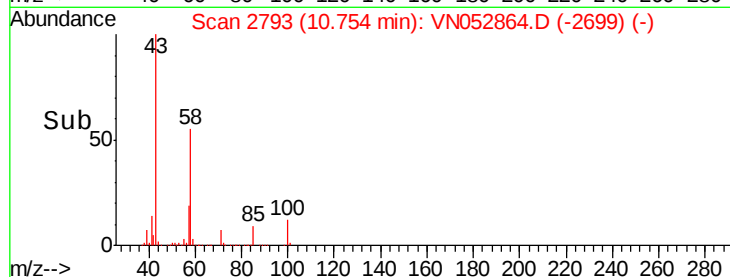
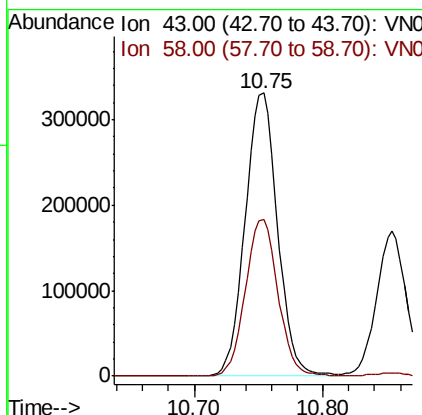
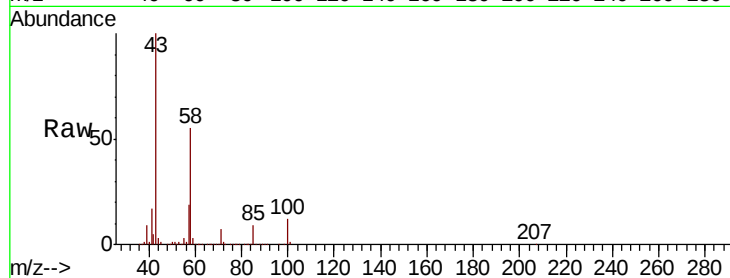




#59
2-Hexanone
Concen: 96.189 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

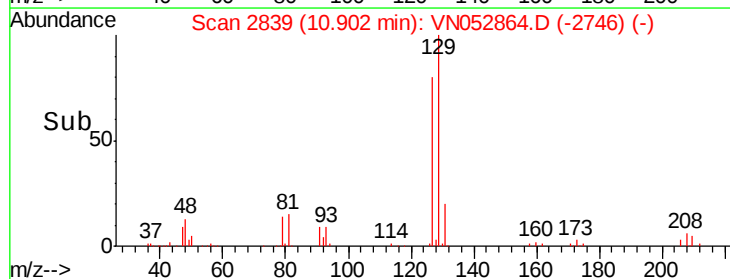
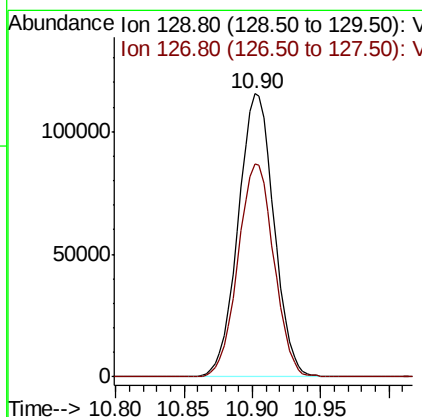
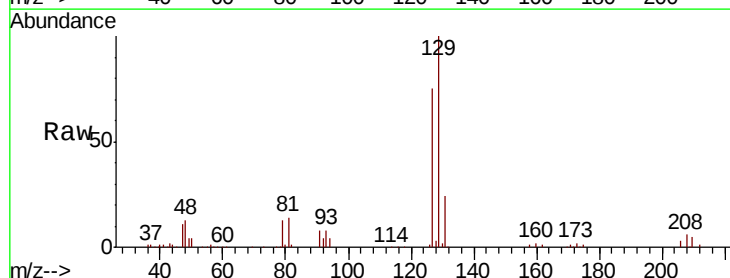
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

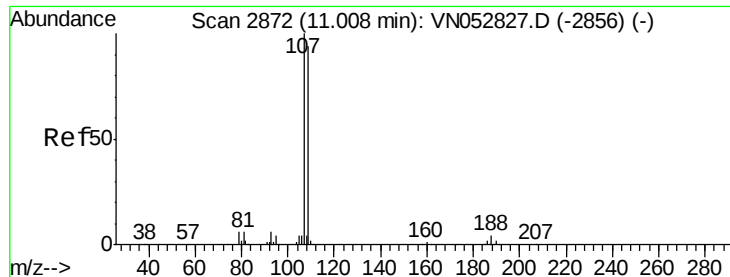
Tot Ion: 43 Resp: 578787
Ion Ratio Lower Upper
43 100
58 55.8 28.1 84.3



#60
Dibromochloromethane
Concen: 19.271 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 129 Resp: 210106
Ion Ratio Lower Upper
129 100
127 75.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.642 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

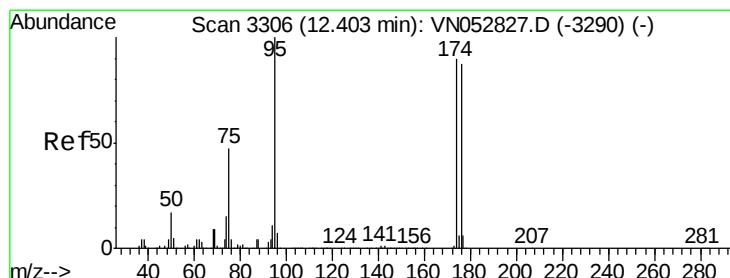
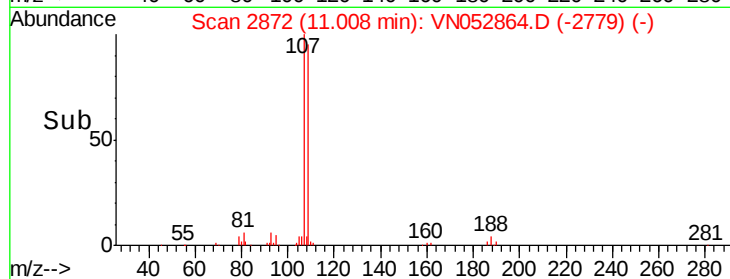
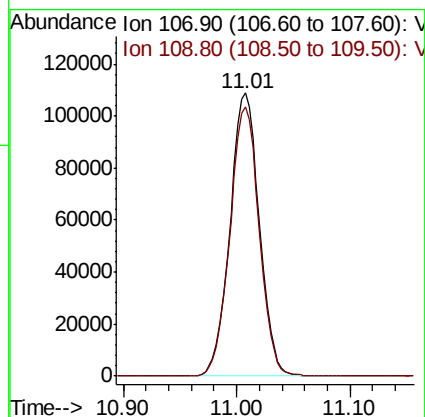
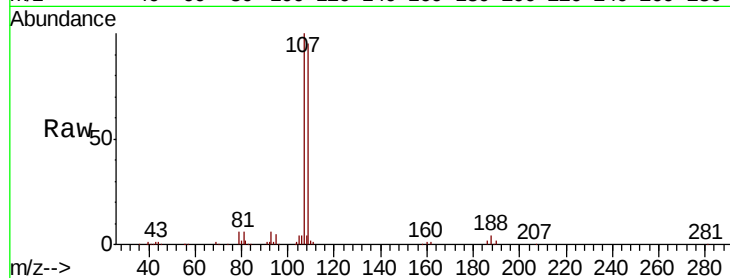
VN1213WBS01

Tot Ion: 107 Resp: 195865

Ion Ratio Lower Upper

107 100

109 95.4 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 19.642 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

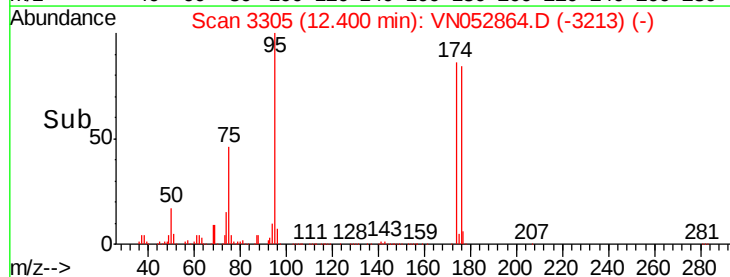
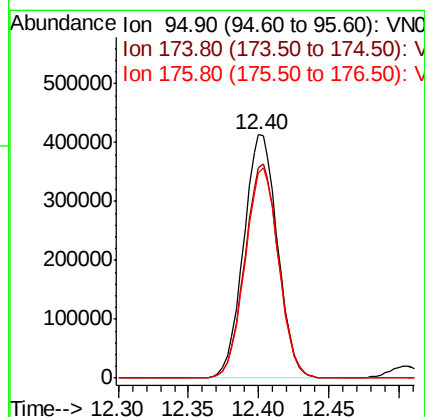
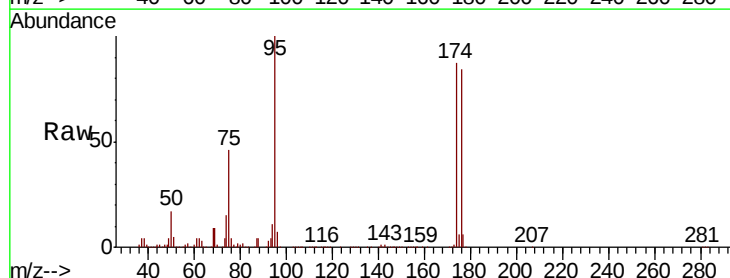
Tgt Ion: 95 Resp: 695586

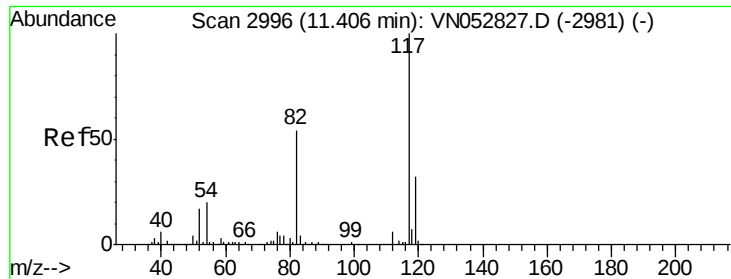
Ion Ratio Lower Upper

95 100

174 87.8 0.0 178.8

176 85.4 0.0 173.8

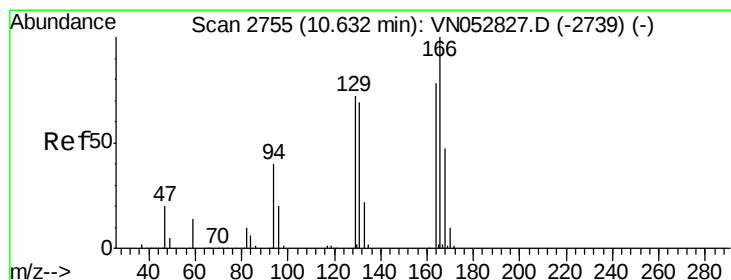
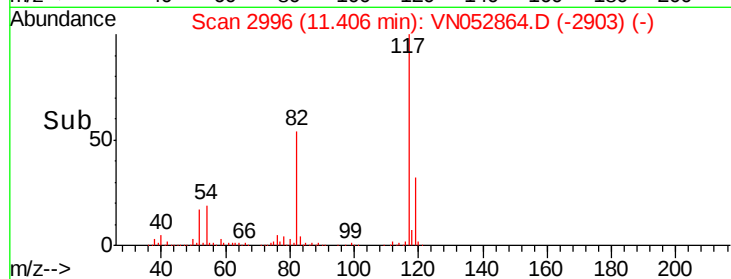
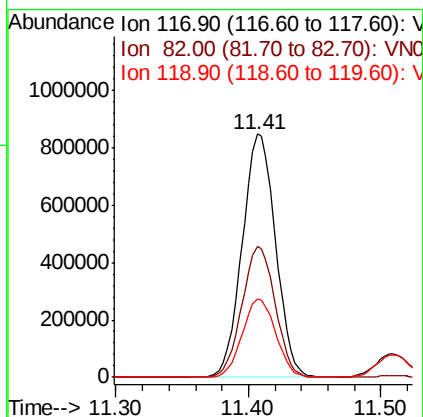
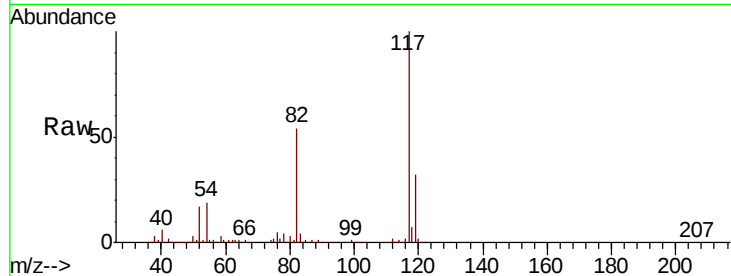




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

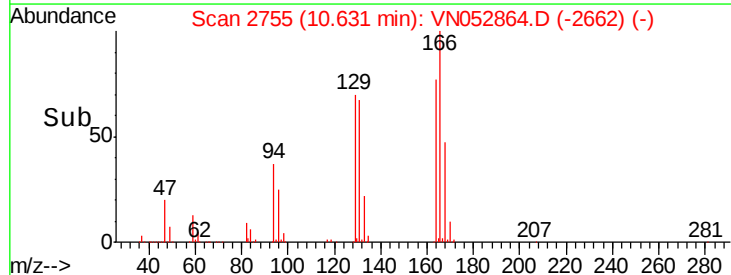
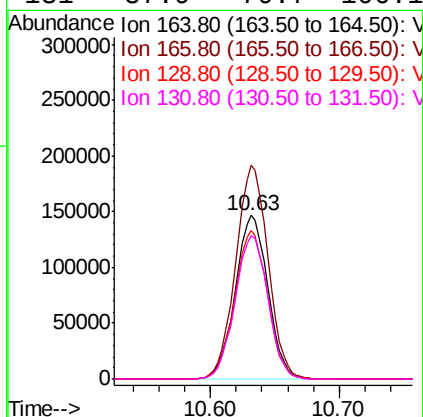
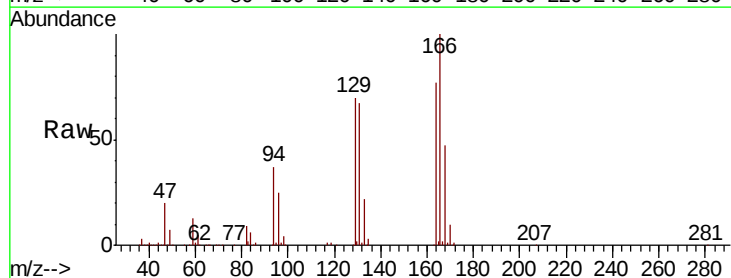
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

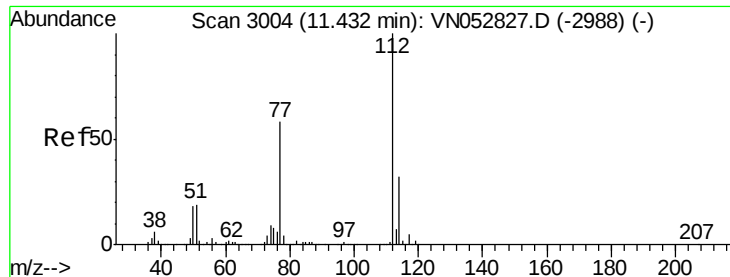
Tot Ion:117 Resp: 1480489
Ion Ratio Lower Upper
117 100
82 53.6 42.8 64.2
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 20.204 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion:164 Resp: 257079
Ion Ratio Lower Upper
164 100
166 130.5 102.9 154.3
129 91.0 73.7 110.5
131 87.9 70.7 106.1





#65

Chlorobenzene

Concen: 20.150 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

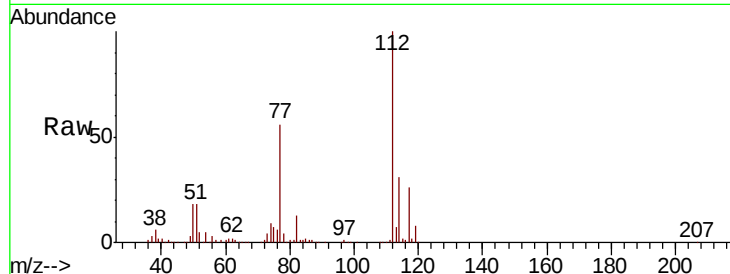
VN1213WBS01

Tot Ion:112 Resp: 618890

Ion Ratio Lower Upper

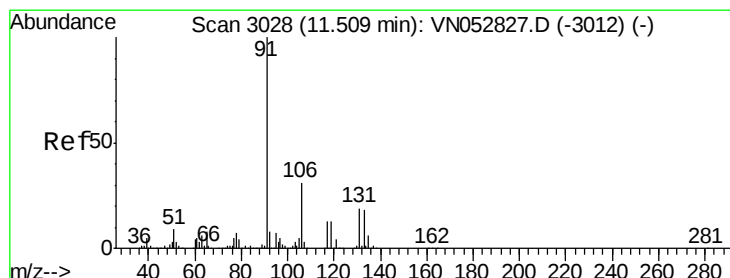
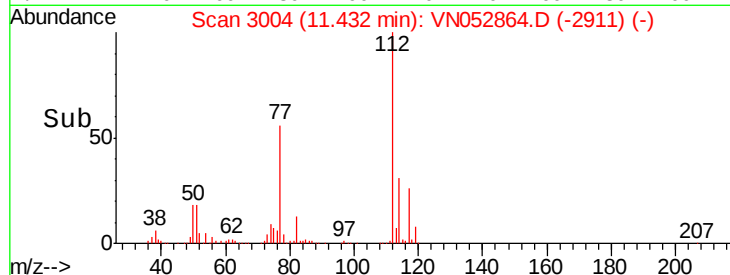
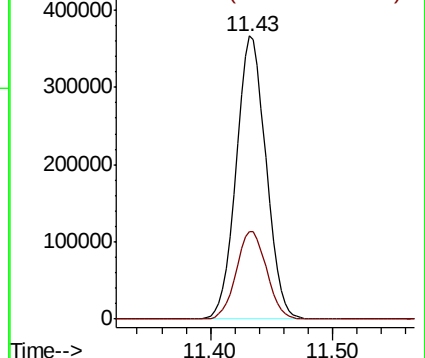
112 100

114 31.1 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.511 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

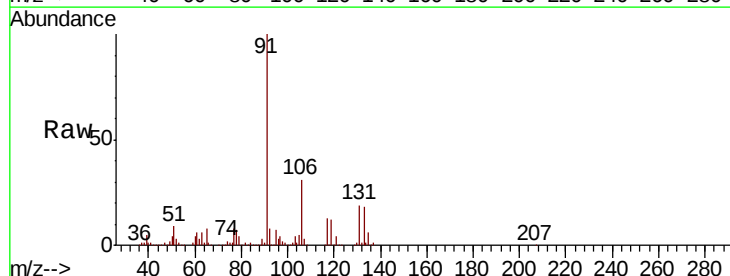
Tgt Ion:131 Resp: 208425

Ion Ratio Lower Upper

131 100

133 95.9 47.6 142.9

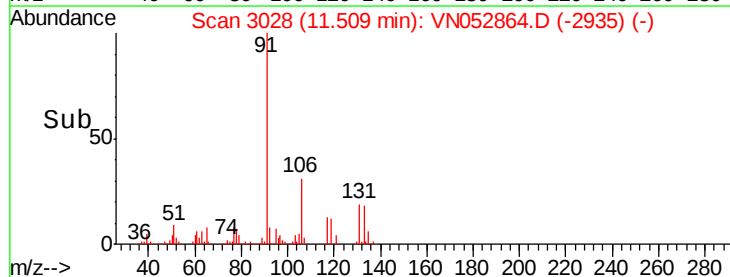
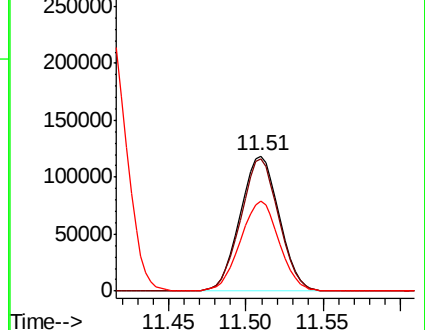
119 66.5 33.3 99.8

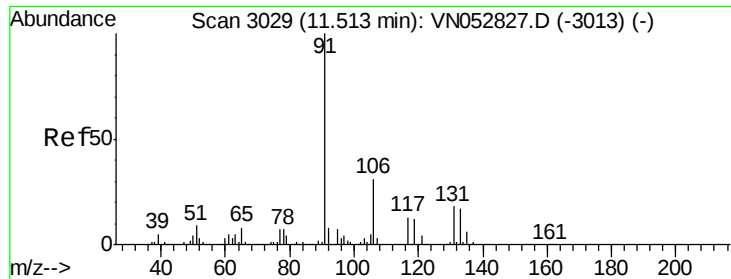


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

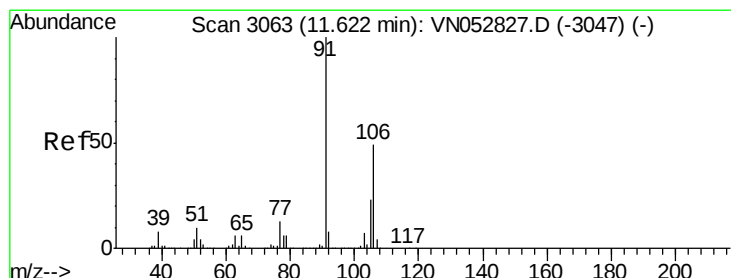
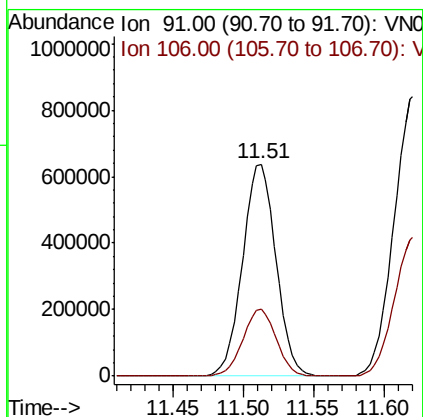
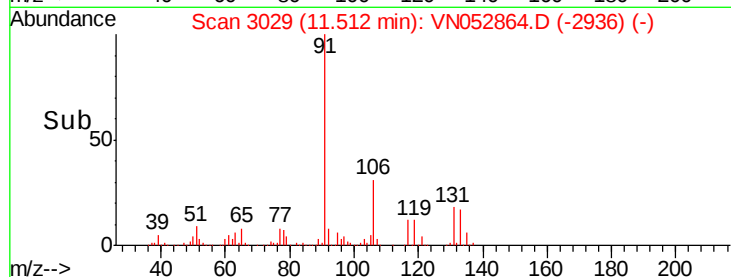
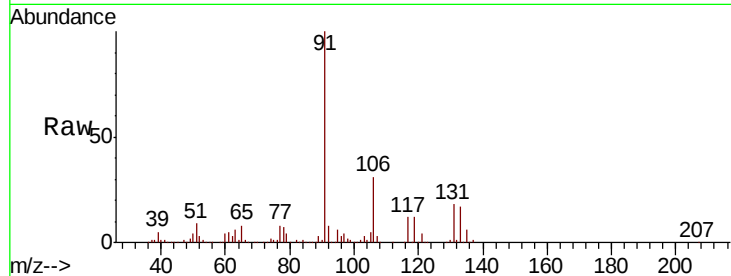




#67
Ethyl Benzene
Concen: 20.089 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

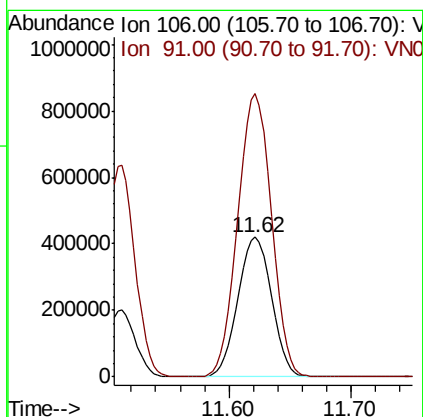
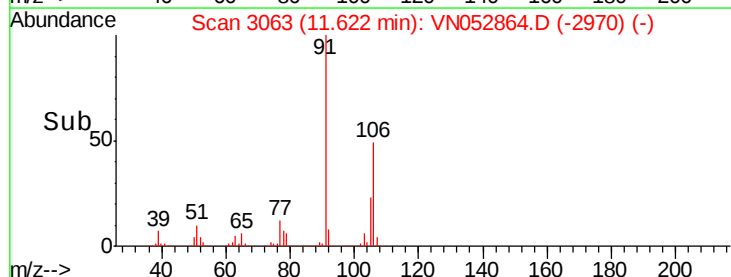
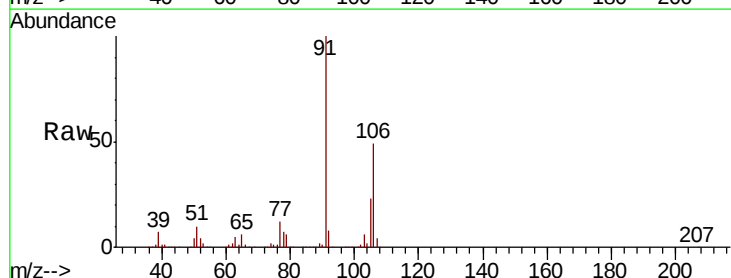
Instrument :
MSVOA_N
ClientSampled :
VN1213WBS01

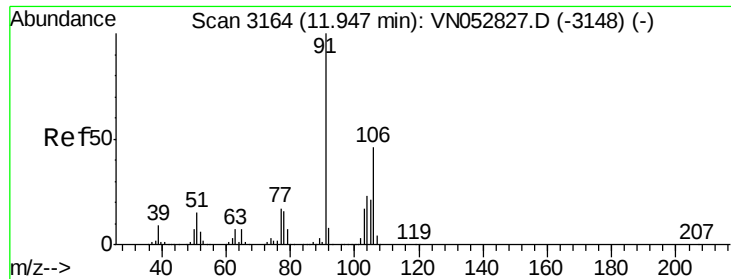
Tot Ion: 91 Resp: 1059626
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3



#68
m/p-Xylenes
Concen: 40.452 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion: 106 Resp: 801195
Ion Ratio Lower Upper
106 100
91 203.2 162.2 243.4

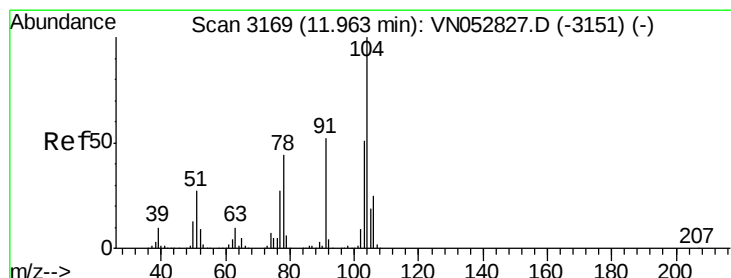
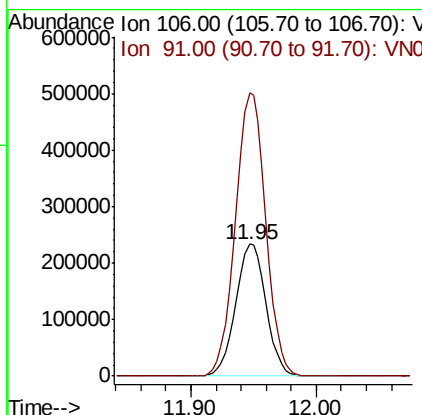
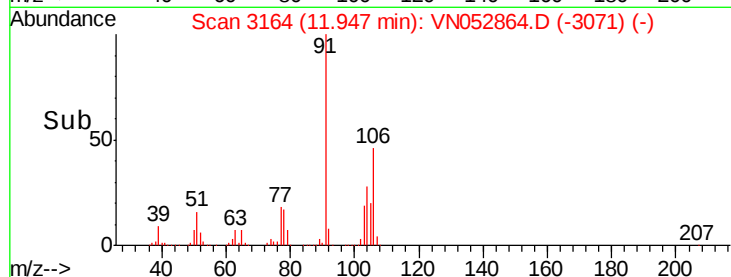
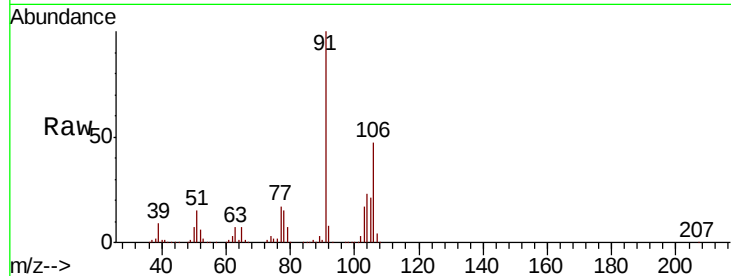




#69
o-Xylene
Concen: 20.184 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

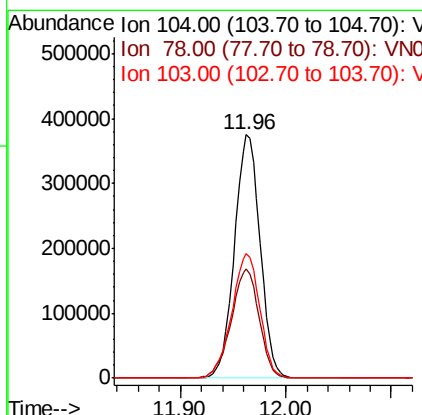
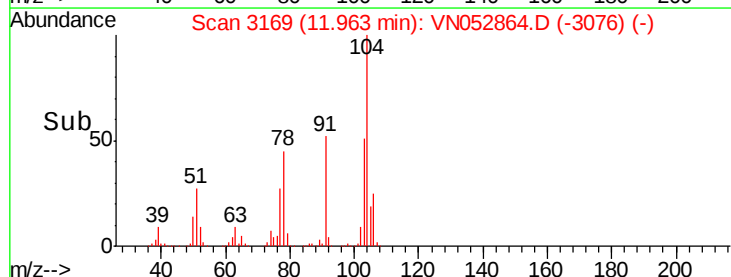
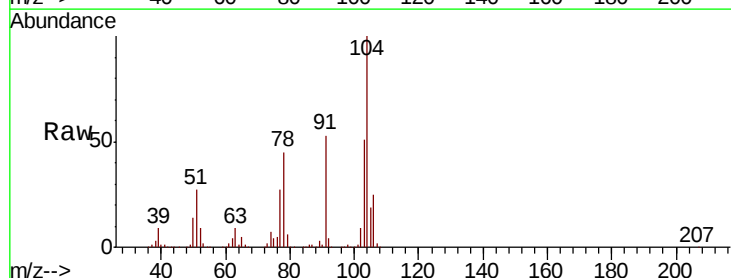
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

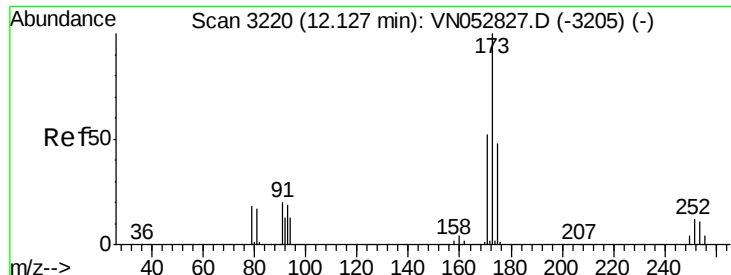
Tot Ion:106 Resp: 390367
Ion Ratio Lower Upper
106 100
91 215.3 106.6 319.8



#70
Styrene
Concen: 20.293 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion:104 Resp: 630906
Ion Ratio Lower Upper
104 100
78 48.7 38.9 58.3
103 55.6 44.3 66.5

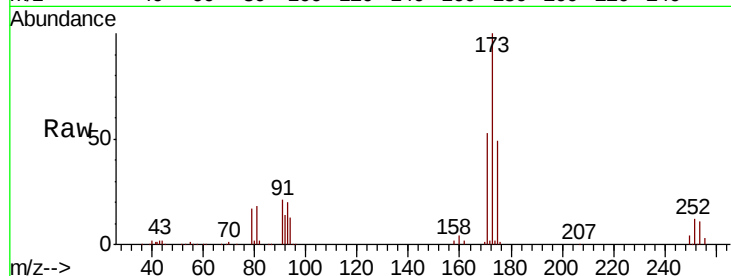




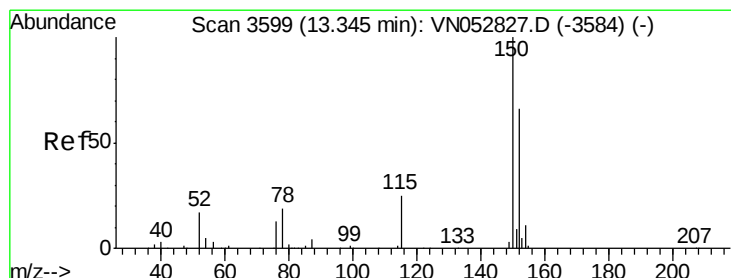
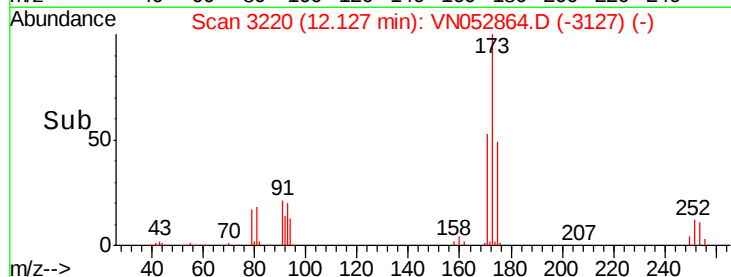
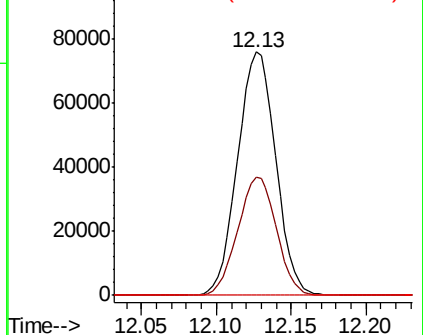
#71
 Bromoform
 Concen: 18.592 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

Tot Ion:173 Resp: 134926
 Ion Ratio Lower Upper
 173 100
 175 49.0 24.3 72.9
 254 0.0 0.1 0.1#

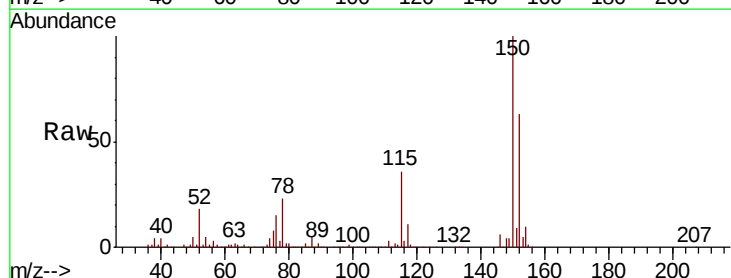


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

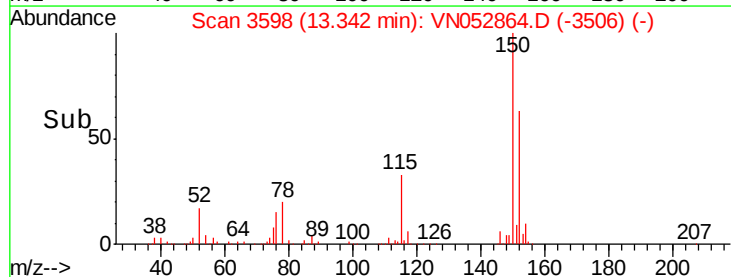
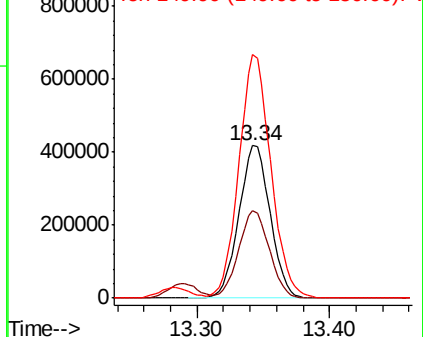


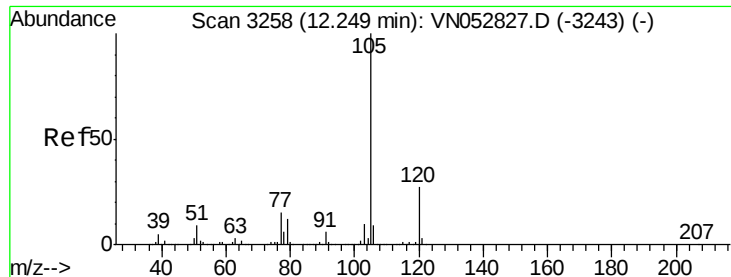
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN052864.D
 Acq: 13 Dec 2018 15:07

Tgt Ion:152 Resp: 682814
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.3 85.0
 150 163.6 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: 20.375 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

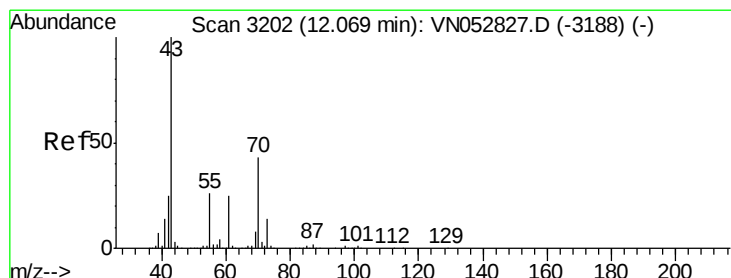
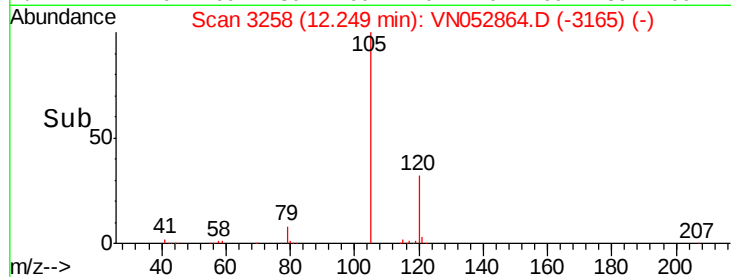
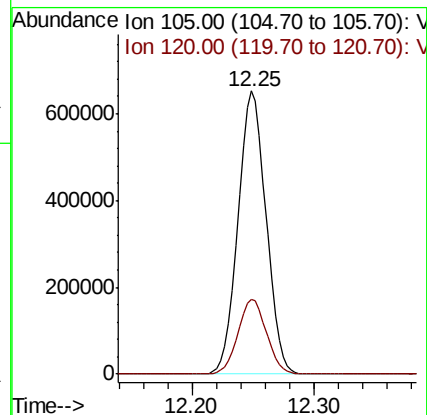
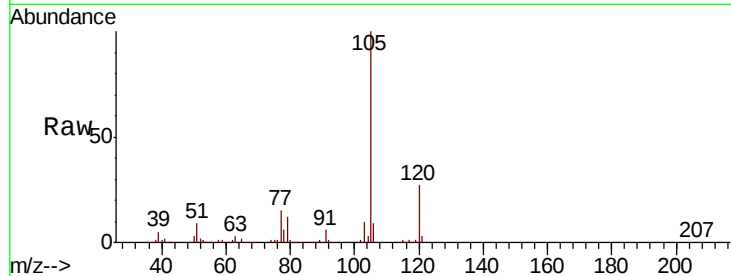
VN1213WBS01

Tot Ion:105 Resp: 1038728

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 19.957 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Tgt Ion: 43 Resp: 279329

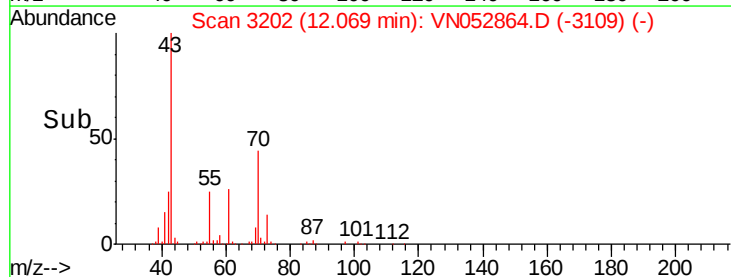
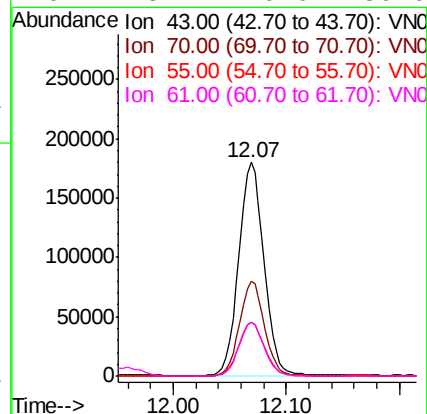
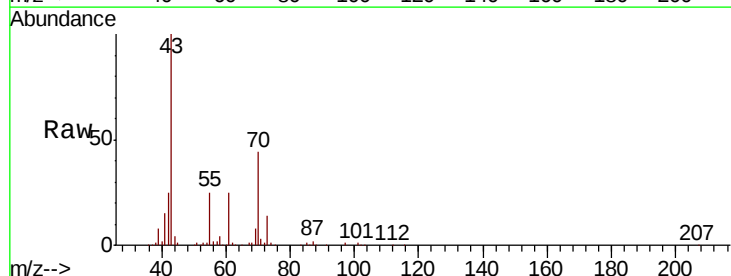
Ion Ratio Lower Upper

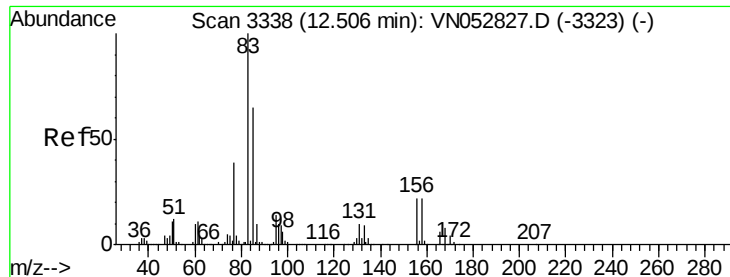
43 100

70 44.1 34.2 51.4

55 26.0 20.3 30.5

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.465 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

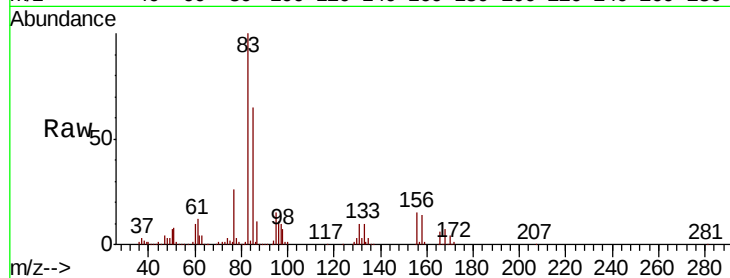
Tot Ion: 83 Resp: 222406

Ion Ratio Lower Upper

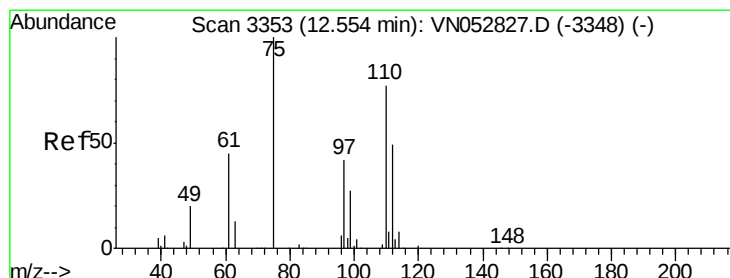
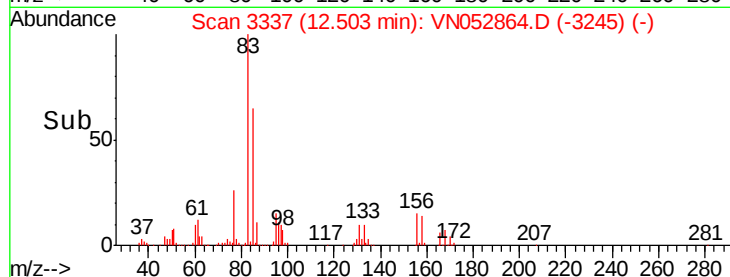
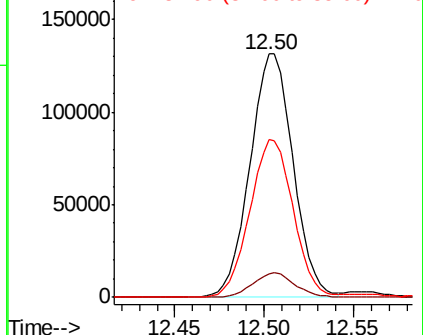
83 100

131 9.9 5.2 15.6

85 65.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 28.431 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052864.D

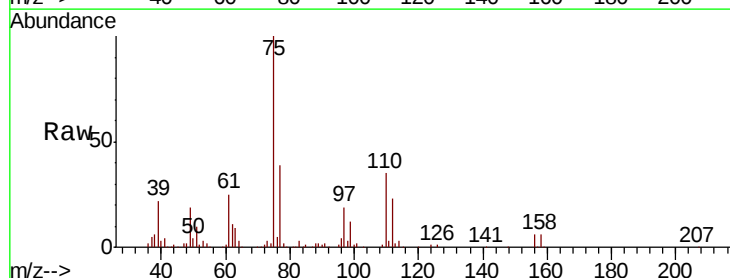
Acq: 13 Dec 2018 15:07

Tgt Ion: 75 Resp: 286414

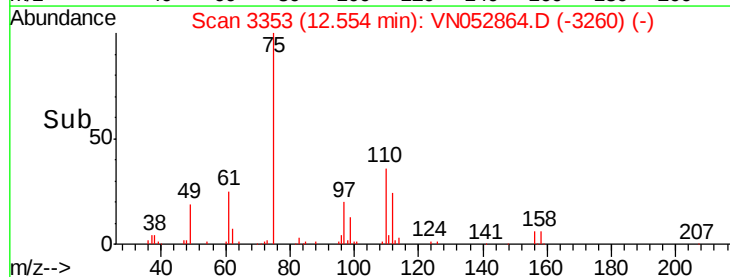
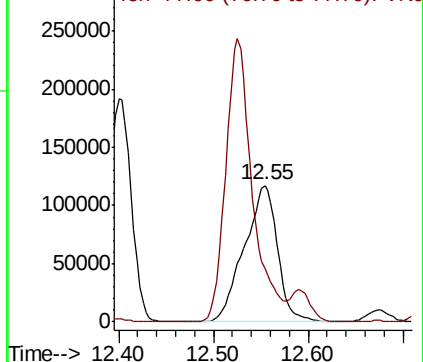
Ion Ratio Lower Upper

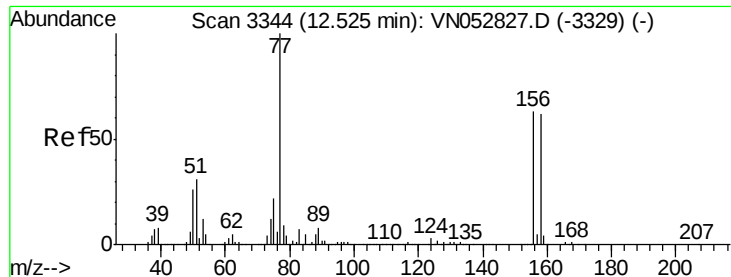
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.282 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampled :

VN1213WBS01

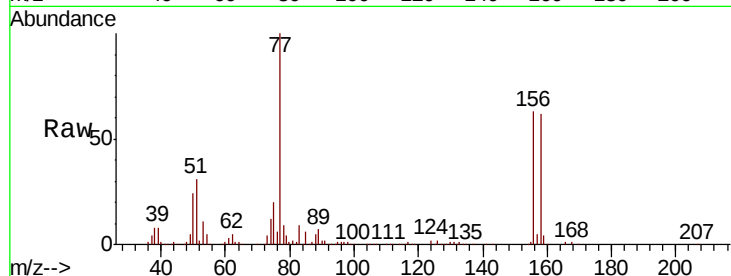
Tot Ion:156 Resp: 262995

Ion Ratio Lower Upper

156 100

77 181.8 91.3 273.8

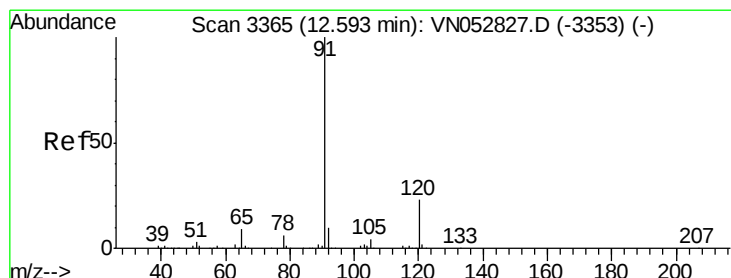
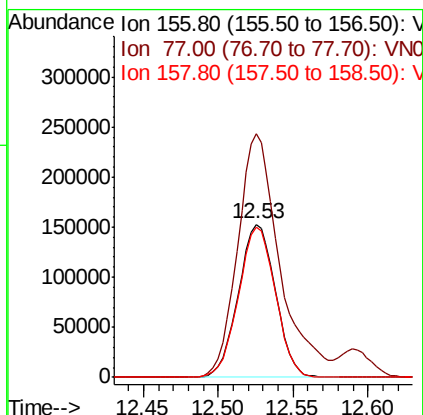
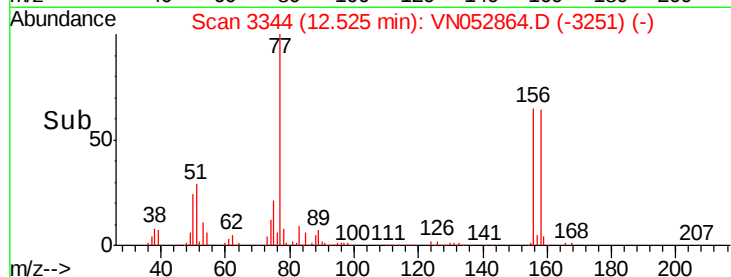
158 97.9 49.0 147.2



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: 20.310 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052864.D

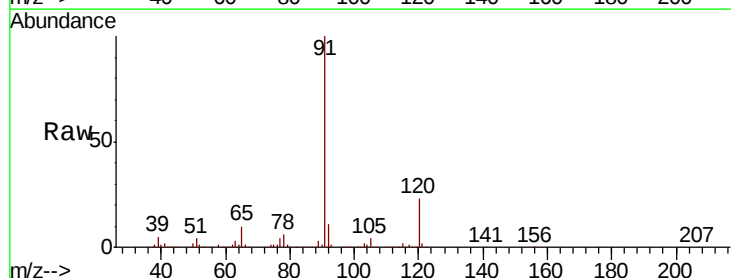
Acq: 13 Dec 2018 15:07

Tgt Ion: 91 Resp: 1180910

Ion Ratio Lower Upper

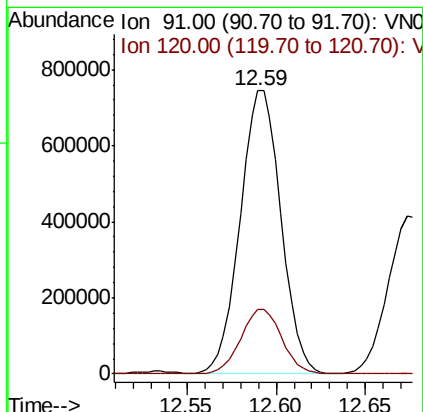
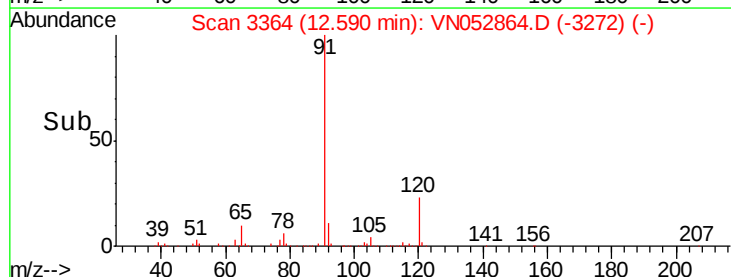
91 100

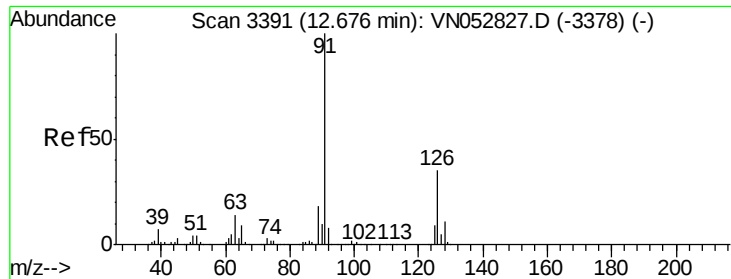
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.115 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

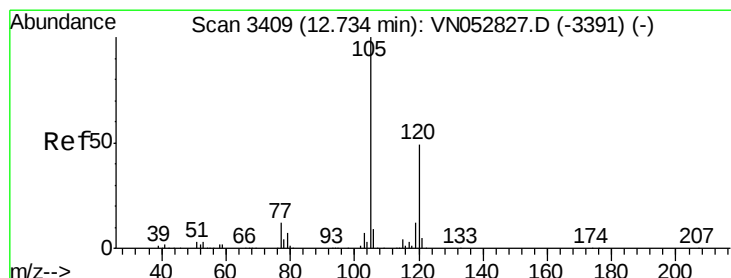
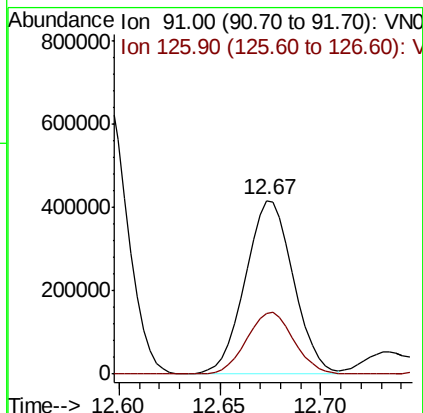
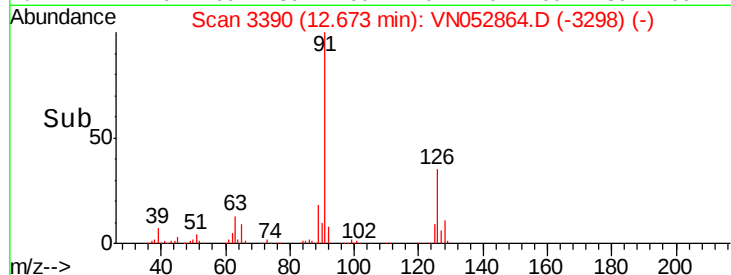
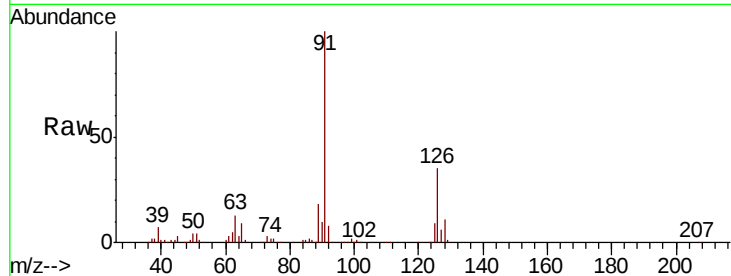
VN1213WBS01

Tot Ion: 91 Resp: 691433

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 20.482 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052864.D

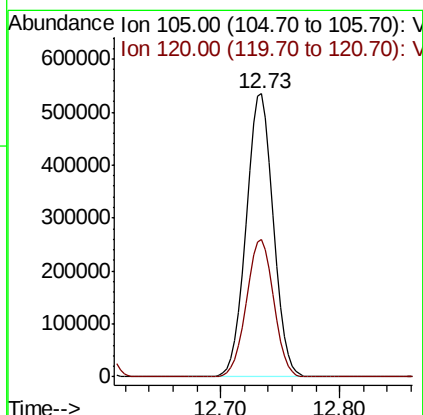
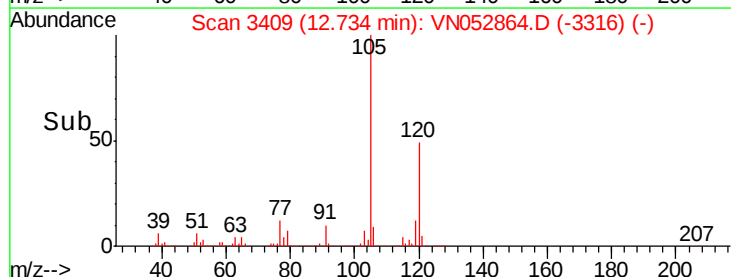
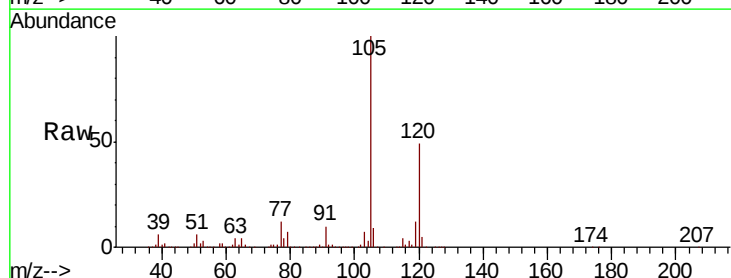
Acq: 13 Dec 2018 15:07

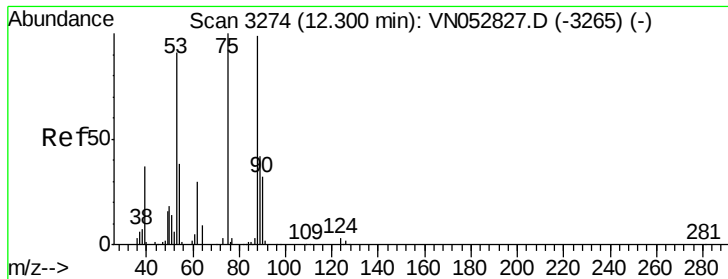
Tgt Ion: 105 Resp: 842920

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.172 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

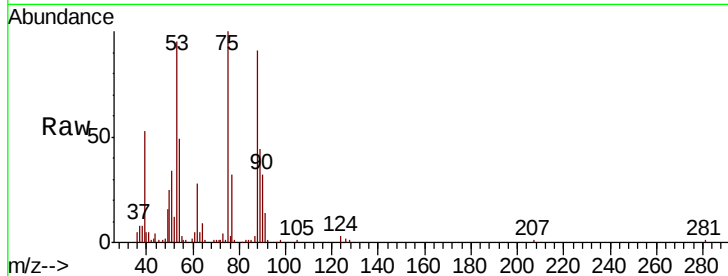
Tot Ion: 75 Resp: 56985

Ion Ratio Lower Upper

75 100

53 97.1 74.7 112.1

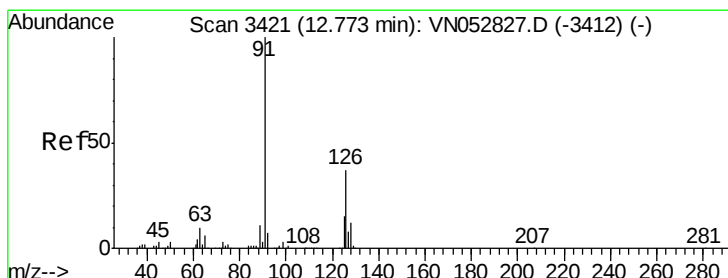
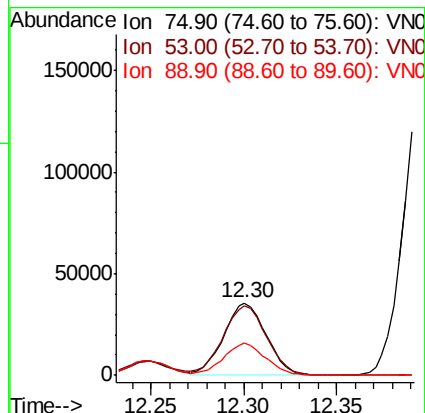
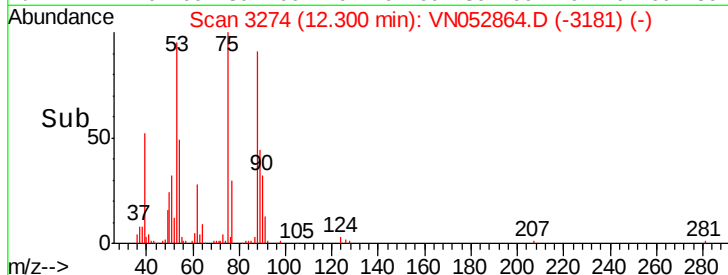
89 43.3 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.011 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052864.D

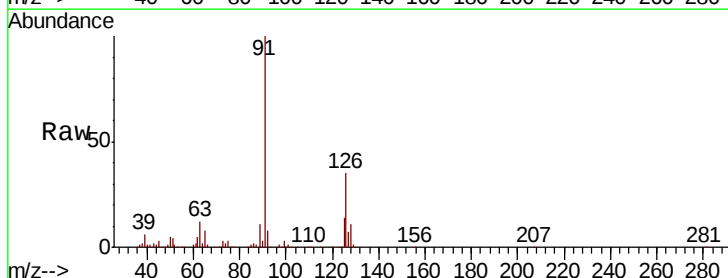
Acq: 13 Dec 2018 15:07

Tgt Ion: 91 Resp: 703265

Ion Ratio Lower Upper

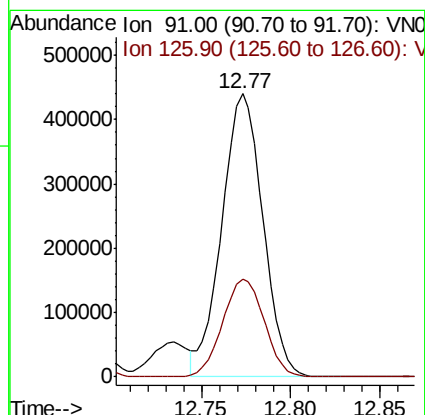
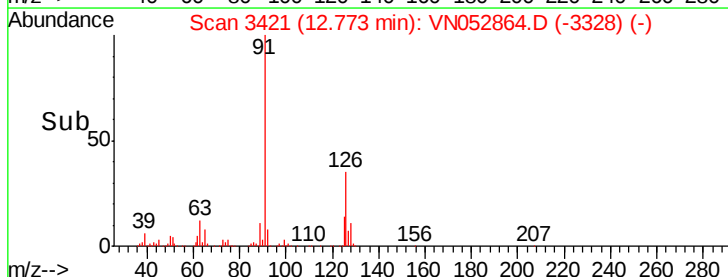
91 100

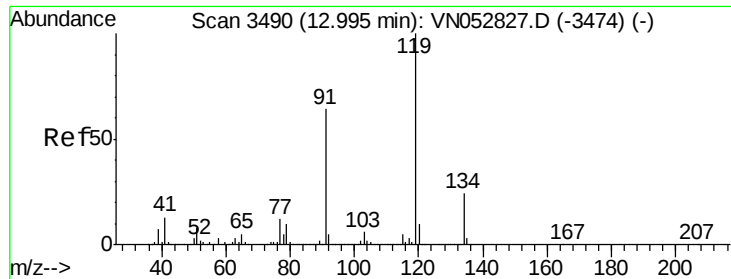
126 35.1 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

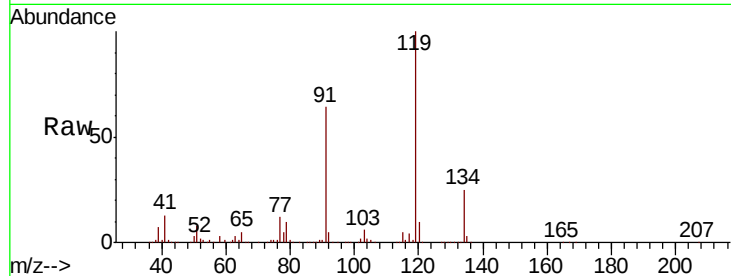




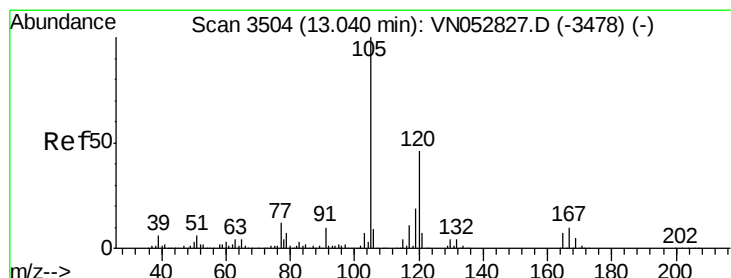
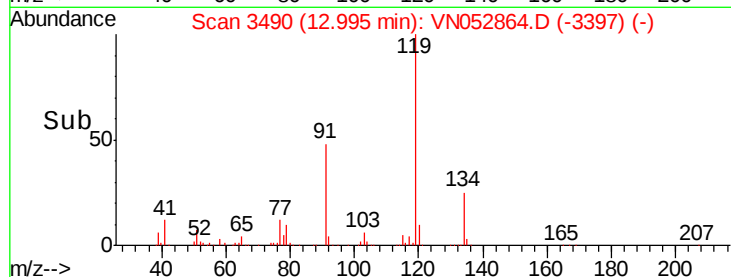
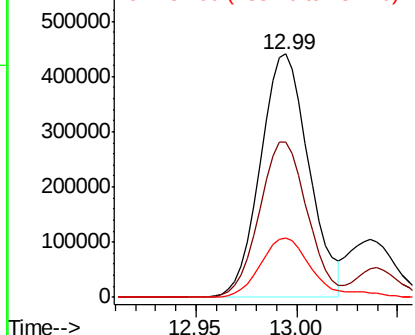
#83
tert-Butylbenzene
Concen: 20.348 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion:119 Resp: 738728
Ion Ratio Lower Upper
119 100
91 63.3 31.9 95.5
134 26.1 12.8 38.4

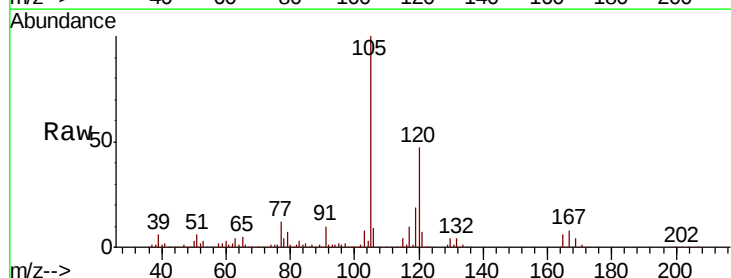


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

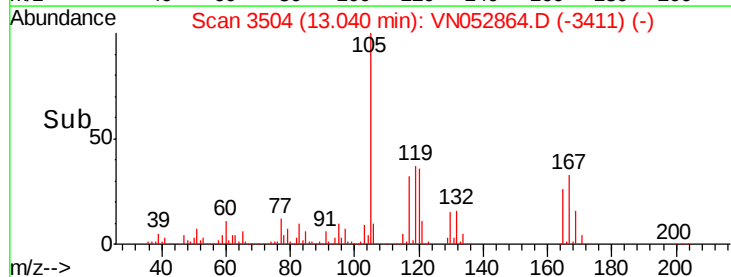
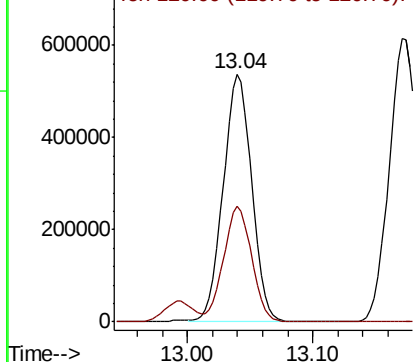


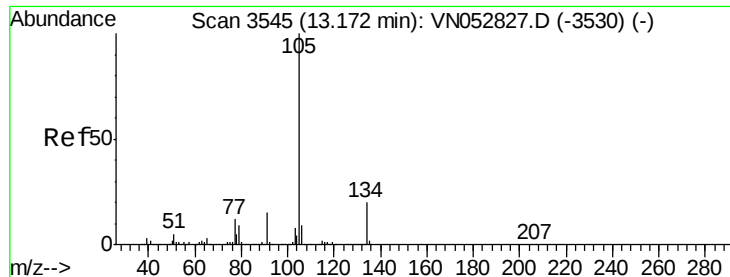
#84
1,2,4-Trimethylbenzene
Concen: 20.287 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion:105 Resp: 845249
Ion Ratio Lower Upper
105 100
120 46.3 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 20.173 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

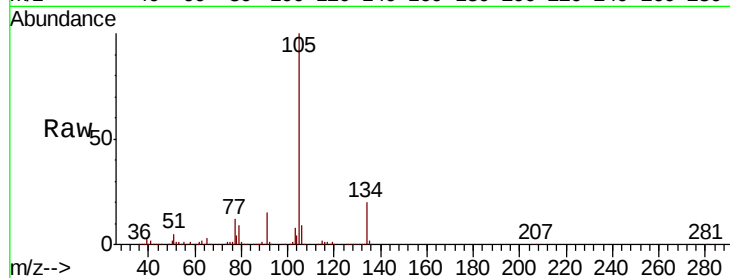
VN1213WBS01

Tot Ion:105 Resp: 991820

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

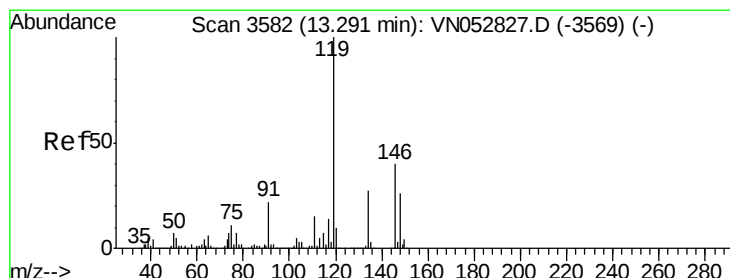
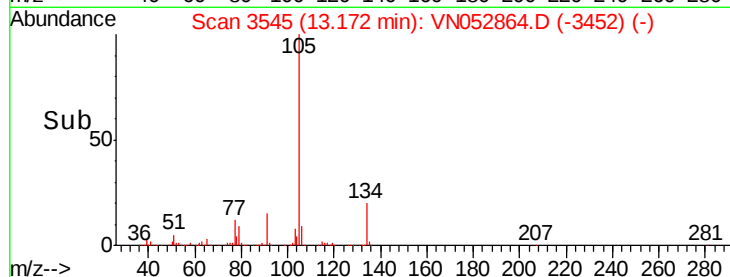
400000

200000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.048 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

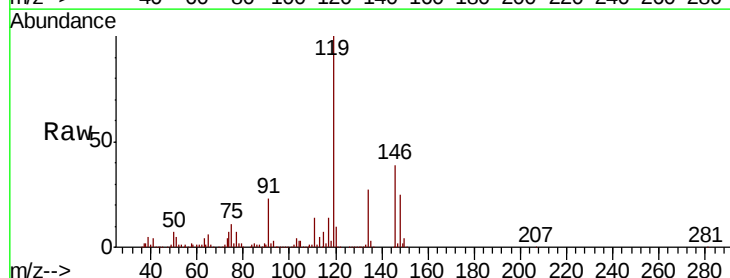
Tgt Ion:119 Resp: 853966

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.4 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

13.29

600000

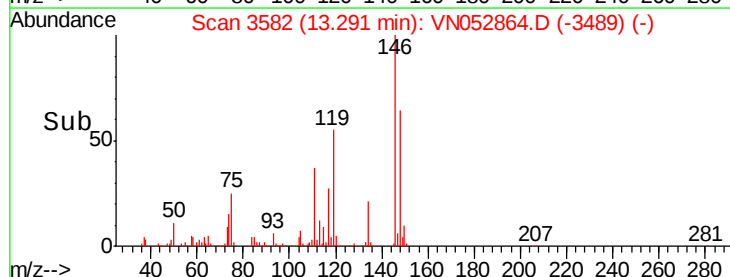
400000

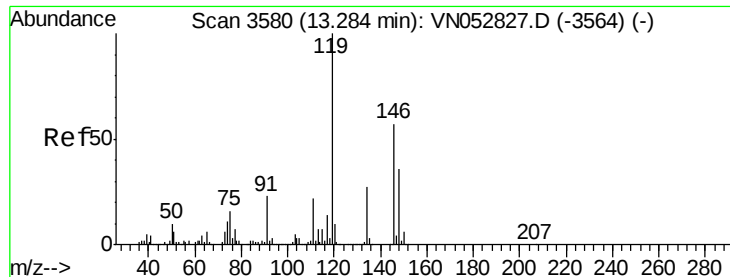
200000

0

Time-->

13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 19.910 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

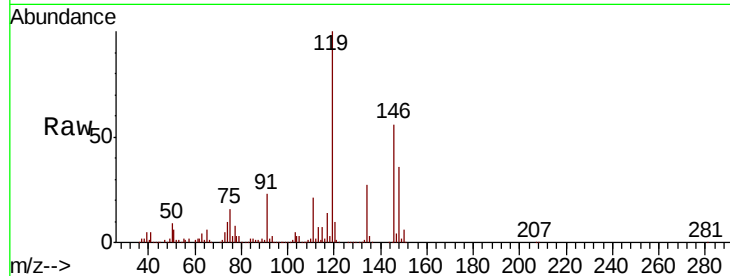
Tot Ion:146 Resp: 458791

Ion Ratio Lower Upper

146 100

111 37.8 19.1 57.1

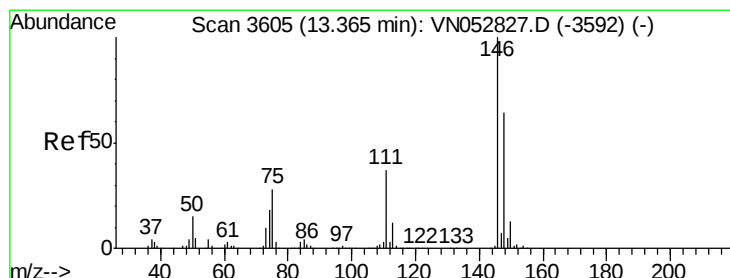
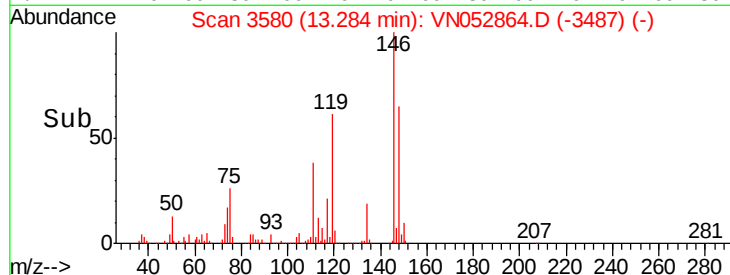
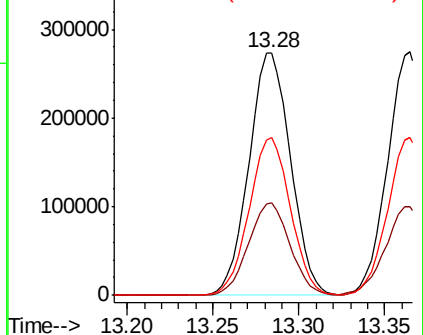
148 64.3 32.0 96.0



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: 19.814 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

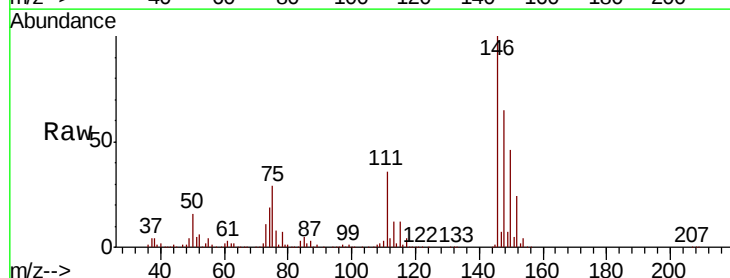
Tgt Ion:146 Resp: 452142

Ion Ratio Lower Upper

146 100

111 38.0 18.6 55.8

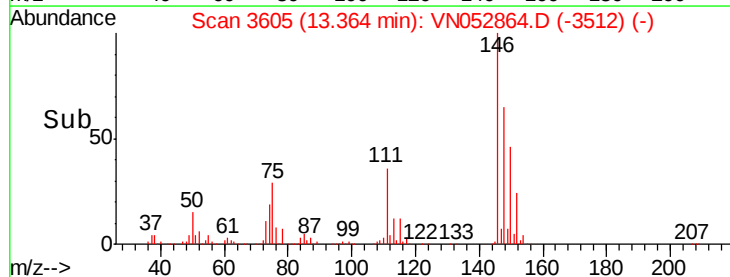
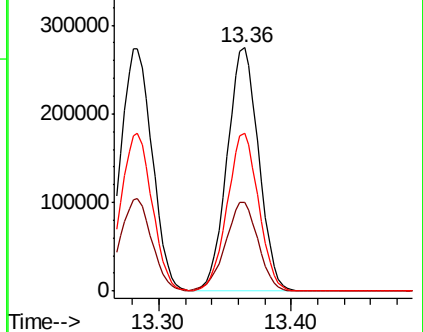
148 64.6 32.1 96.5

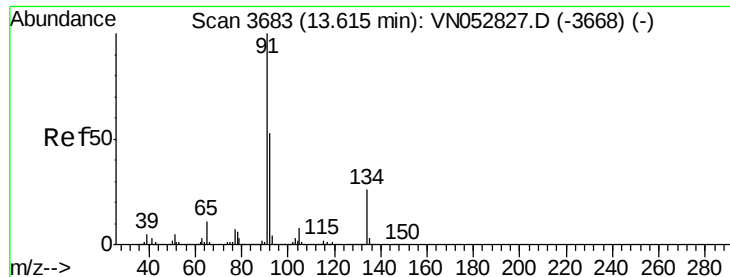


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.411 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

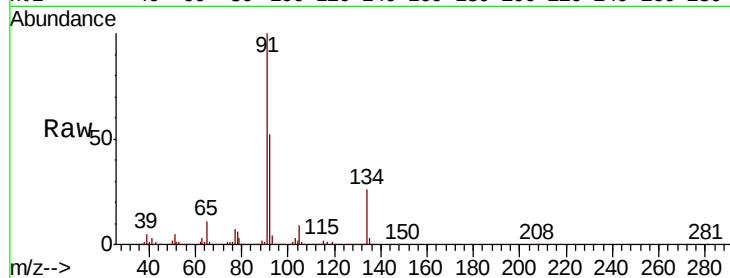
Tot Ion: 91 Resp: 696044

Ion Ratio Lower Upper

91 100

92 52.3 26.3 78.9

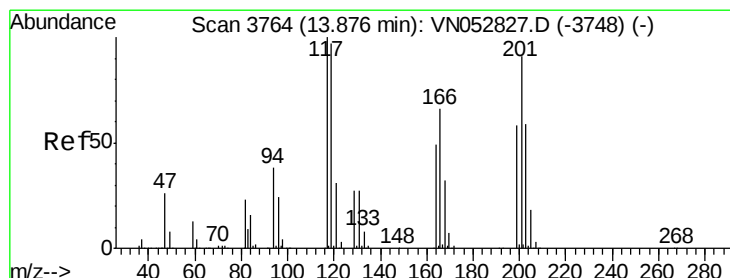
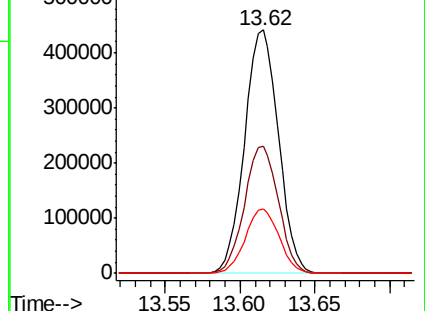
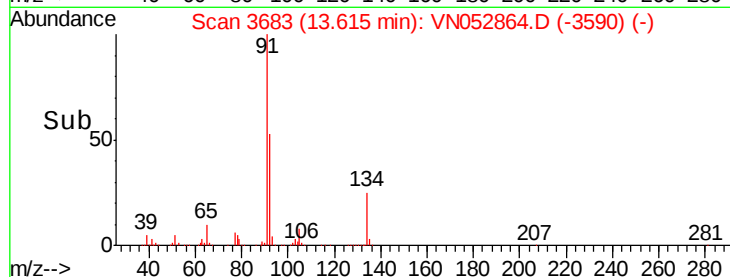
134 26.5 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052827.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052827.D (-3668) (-)



#90

Hexachloroethane

Concen: 18.496 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052864.D

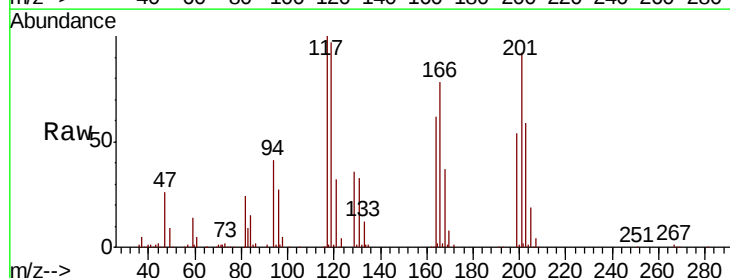
Acq: 13 Dec 2018 15:07

Tgt Ion: 117 Resp: 131925

Ion Ratio Lower Upper

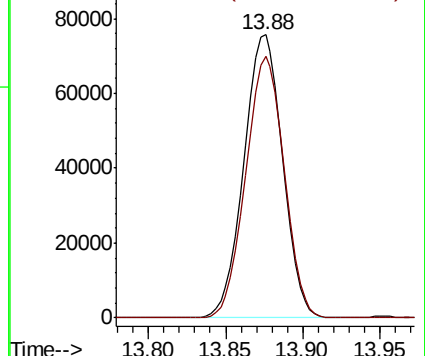
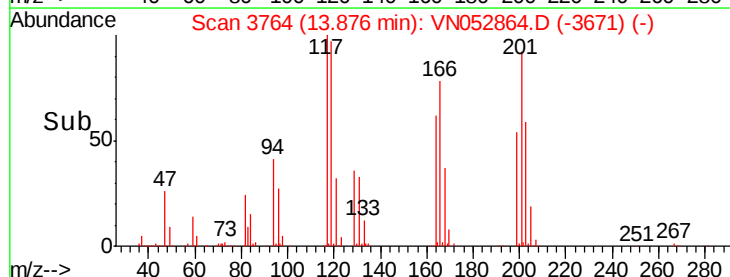
117 100

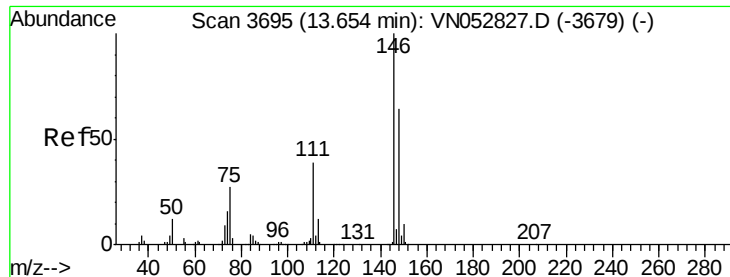
201 91.6 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052827.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052827.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 19.979 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

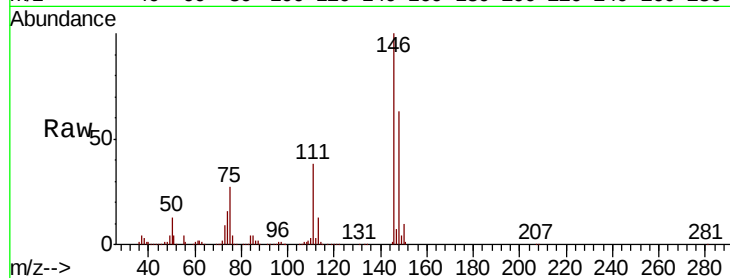
Tot Ion:146 Resp: 442865

Ion Ratio Lower Upper

146 100

111 39.1 19.7 59.0

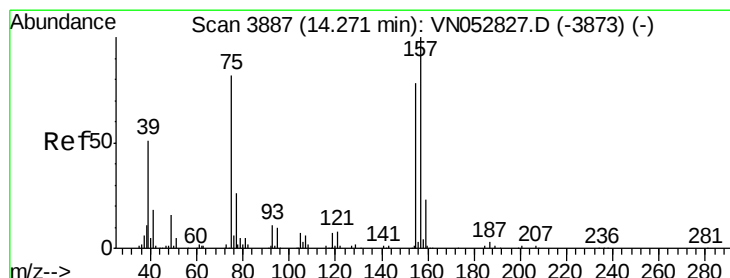
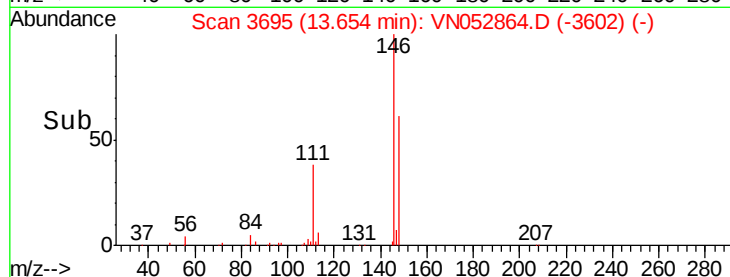
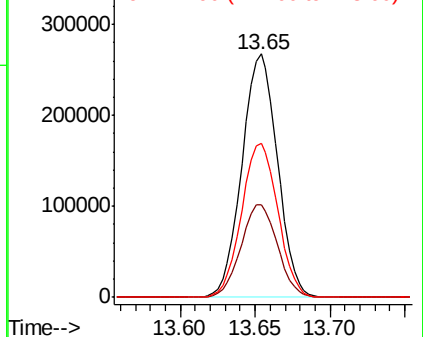
148 64.6 32.0 96.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.648 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

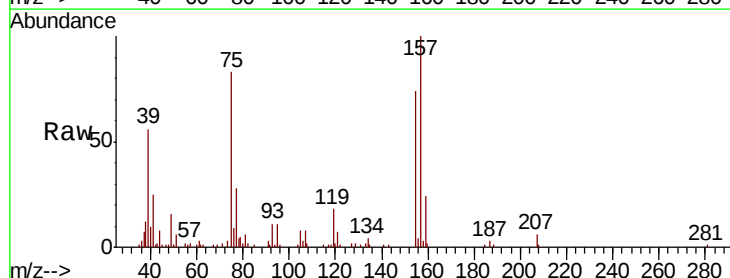
Tgt Ion: 75 Resp: 33840

Ion Ratio Lower Upper

75 100

155 91.8 48.2 144.6

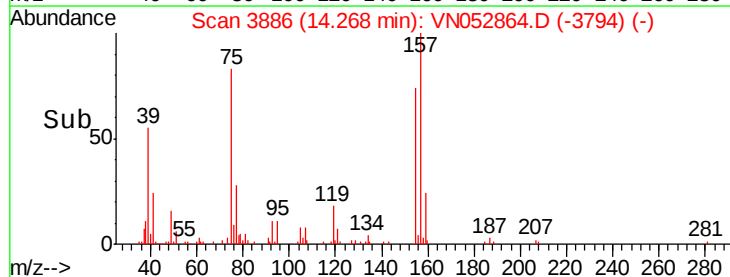
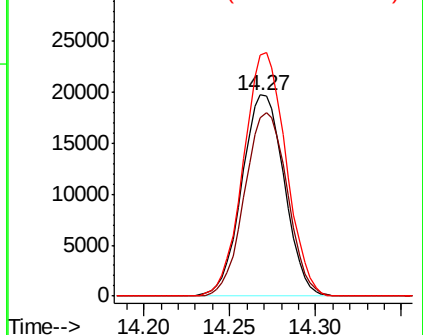
157 121.0 61.2 183.5

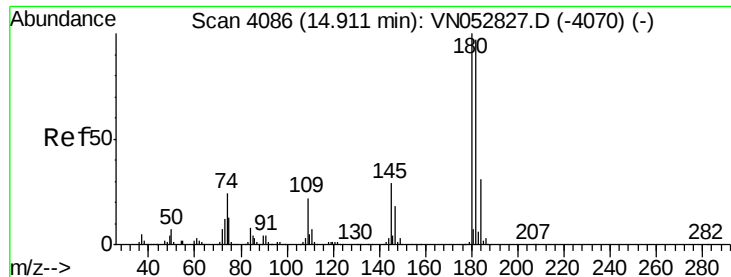


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.942 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBS01

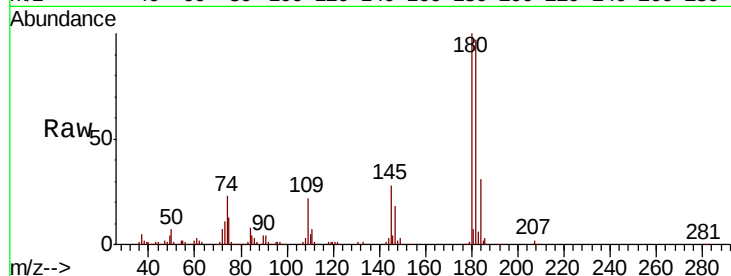
Tot Ion:180 Resp: 240278

Ion Ratio Lower Upper

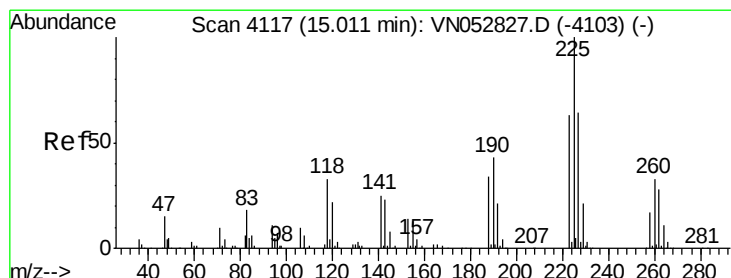
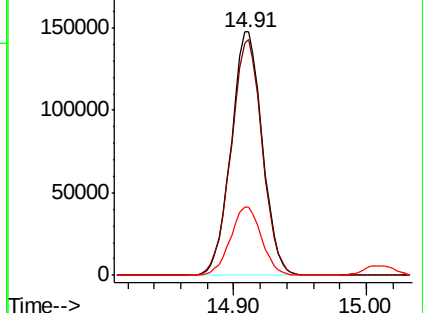
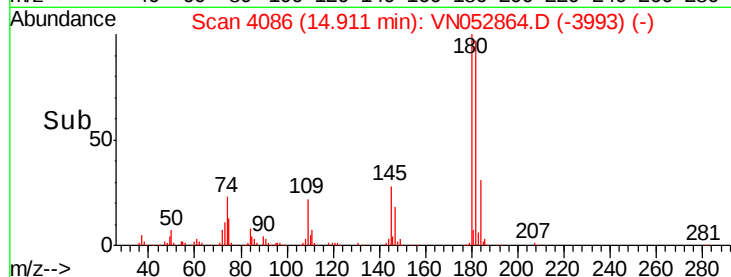
180 100

182 96.7 47.8 143.3

145 28.1 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: 19.425 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN052864.D

Acq: 13 Dec 2018 15:07

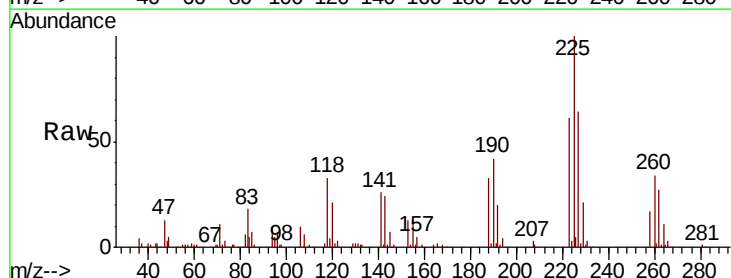
Tgt Ion:225 Resp: 135476

Ion Ratio Lower Upper

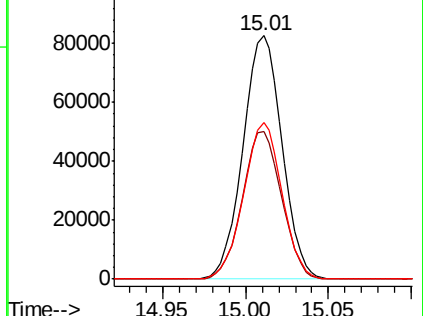
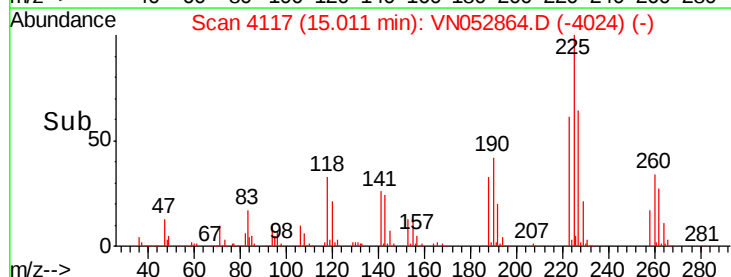
225 100

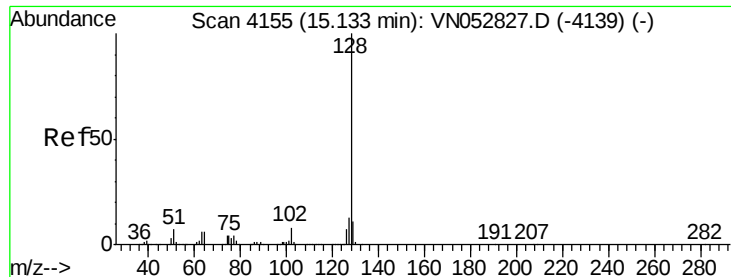
223 60.9 31.5 94.5

227 63.2 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

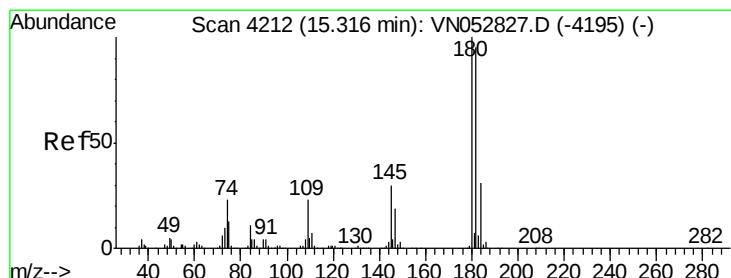
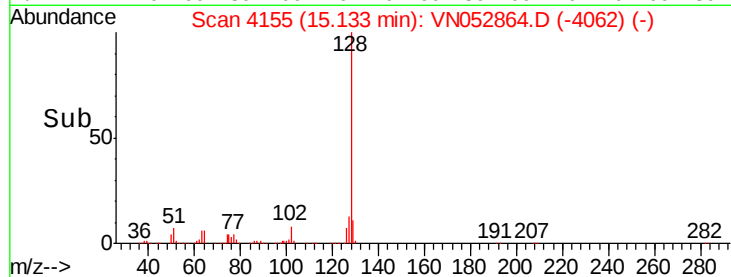
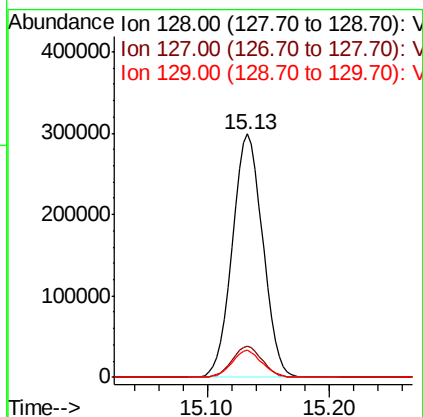
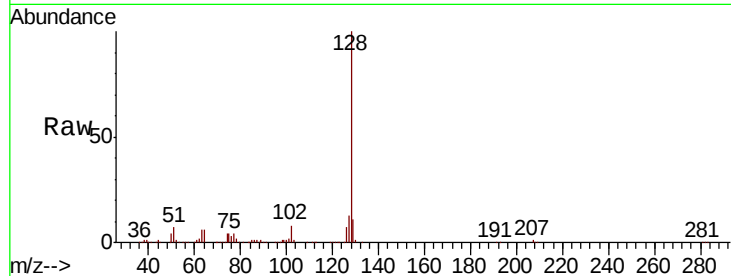




#95
Naphthalene
Concen: 20.745 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Tot Ion:128 Resp: 517707
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.185 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052864.D
Acq: 13 Dec 2018 15:07

Tgt Ion:180 Resp: 223161
Ion Ratio Lower Upper
180 100
182 94.6 47.9 143.7
145 30.5 15.0 45.0

