

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122218\
 Data File : VN053126.D
 Acq On : 22 Dec 2018 12:18
 Operator : MD\SY
 Sample : VN1222MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS01

Quant Time: Dec 23 23:02:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1066554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1630492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1415918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	598476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	473020	43.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.40%	
35) Dibromofluoromethane	7.59	113	378930	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.09	98	1708580	42.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.46%	
62) 4-Bromofluorobenzene	12.40	95	555981	39.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	198894	18.426	ug/l	99
3) Chloromethane	2.06	50	233176	17.826	ug/l	99
4) Vinyl Chloride	2.19	62	248041	18.724	ug/l	99
5) Bromomethane	2.58	94	156688	17.072	ug/l	99
6) Chloroethane	2.71	64	149689	19.079	ug/l	99
7) Trichlorofluoromethane	3.03	101	324229	19.647	ug/l	100
8) Diethyl Ether	3.42	74	122113	19.614	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	206582	19.633	ug/l	98
10) Methyl Iodide	3.96	142	258957	17.525	ug/l	99
11) Tert butyl alcohol	4.78	59	59743	90.464	ug/l	99
12) 1,1-Dichloroethene	3.74	96	195837	19.265	ug/l	98
13) Acrolein	3.61	56	65429	109.264	ug/l	99
14) Allyl chloride	4.33	41	318120	20.203	ug/l	96
15) Acrylonitrile	4.99	53	348361	94.950	ug/l	98
16) Acetone	3.82	43	211801	99.805	ug/l	97
17) Carbon Disulfide	4.06	76	530639	16.006	ug/l	99
18) Methyl Acetate	4.33	43	187842	20.107	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	537410	19.755	ug/l	97
20) Methylene Chloride	4.56	84	225858	19.511	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	206735	18.928	ug/l	100
22) Diisopropyl ether	5.95	45	696696	20.728	ug/l	99
23) Vinyl Acetate	5.90	43	1953749	101.088	ug/l	99
24) 1,1-Dichloroethane	5.85	63	403294	20.193	ug/l	99
25) 2-Butanone	6.83	43	361455	101.490	ug/l	99
26) 2,2-Dichloropropane	6.83	77	291430	19.115	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	244875	19.804	ug/l	100
28) Bromochloromethane	7.20	49	170992	19.758	ug/l	96
29) Tetrahydrofuran	7.21	42	257595	96.842	ug/l	98
30) Chloroform	7.37	83	390932	19.925	ug/l	100
31) Cyclohexane	7.65	56	375423	19.399	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	324957	19.443	ug/l	100
36) 1,1-Dichloropropene	7.80	75	298716	19.087	ug/l	100
37) Ethyl Acetate	6.93	43	170481	19.514	ug/l	100
38) Carbon Tetrachloride	7.78	117	271466	18.925	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	345911	18.195	ug/l	99
40) Benzene	8.04	78	920684	19.778	ug/l	99
41) Methacrylonitrile	7.17	41	106466	21.091	ug/l	90
42) 1,2-Dichloroethane	8.13	62	271096	19.714	ug/l	99
43) Isopropyl Acetate	8.16	43	322547	18.418	ug/l	98
44) Trichloroethene	8.84	130	250221	18.584	ug/l	98
45) 1,2-Dichloropropane	9.12	63	245688	20.263	ug/l	99
46) Dibromomethane	9.21	93	136376	19.308	ug/l	98
47) Bromodichloromethane	9.40	83	293328	19.536	ug/l	99
48) Methyl methacrylate	9.20	41	158106	18.650	ug/l	98
49) 1,4-Dioxane	9.20	88	38877	362.527	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	846536	100.056	ug/l	99
52) Toluene	10.16	92	562868	19.508	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	286515	18.147	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	348779	19.246	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	200177	19.887	ug/l	98
56) Ethyl methacrylate	10.43	69	253249	19.008	ug/l	98
57) 1,3-Dichloropropane	10.71	76	343508	19.900	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	731322	99.983	ug/l	99
59) 2-Hexanone	10.75	43	555984	97.127	ug/l	99
60) Dibromochloromethane	10.90	129	214012	18.574	ug/l	100
61) 1,2-Dibromoethane	11.01	107	195852	19.158	ug/l	100
64) Tetrachloroethene	10.63	164	281753	18.370	ug/l	99
65) Chlorobenzene	11.43	112	612367	19.510	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	219963	20.153	ug/l	99
67) Ethyl Benzene	11.51	91	1053707	19.521	ug/l	100
68) m/p-Xylenes	11.62	106	793242	38.657	ug/l	99
69) o-Xylene	11.95	106	389573	19.785	ug/l	99
70) Styrene	11.96	104	622677	19.394	ug/l	99
71) Bromoform	12.13	173	140260	17.788	ug/l #	100
73) Isopropylbenzene	12.25	105	1017814	21.736	ug/l	99
74) N-amyl acetate	12.07	43	260251	20.019	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	211730	23.048	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	275817	27.377	ug/l #	100
77) Bromobenzene	12.53	156	255041	20.953	ug/l	98
78) n-propylbenzene	12.59	91	1115103	20.909	ug/l	100
79) 2-Chlorotoluene	12.67	91	663361	20.067	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	779834	20.432	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54955	17.581	ug/l	97
82) 4-Chlorotoluene	12.77	91	657108	20.307	ug/l	99
83) tert-Butylbenzene	12.99	119	695555	20.606	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	779851	20.325	ug/l	100
85) sec-Butylbenzene	13.17	105	906337	19.851	ug/l	99
86) p-Isopropyltoluene	13.29	119	766251	19.423	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	412950	19.169	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	409016	18.748	ug/l	99
89) n-Butylbenzene	13.62	91	595629	17.549	ug/l	100
90) Hexachloroethane	13.88	117	115311	19.047	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	386749	19.075	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27394	17.246	ug/l	98

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Quant Title : SW846 8260
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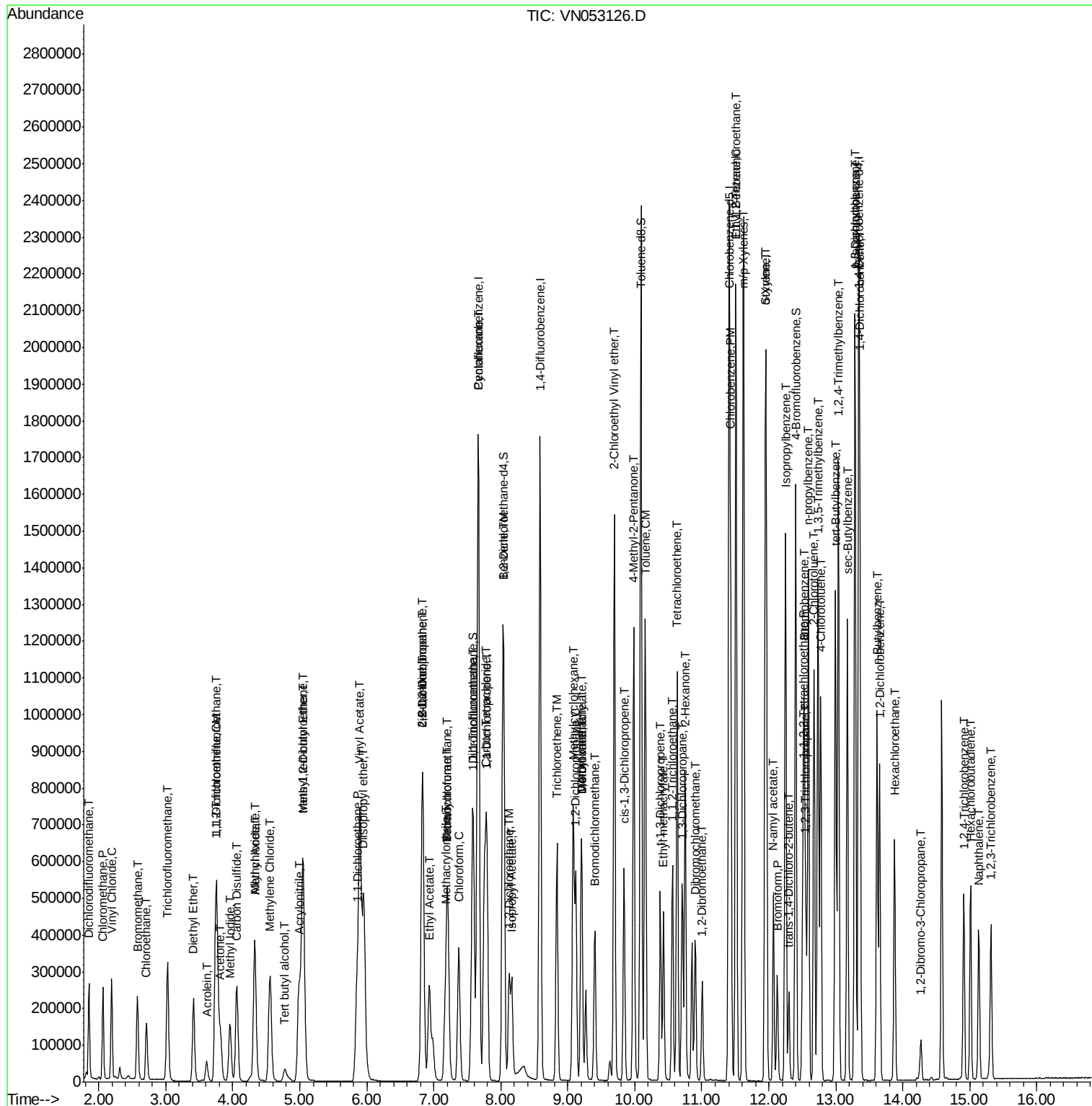
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	175776	16.765	ug/l	100
94) Hexachlorobutadiene	15.01	225	114829	18.857	ug/l	99
95) Naphthalene	15.13	128	364367	16.276	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	157017	16.575	ug/l	99

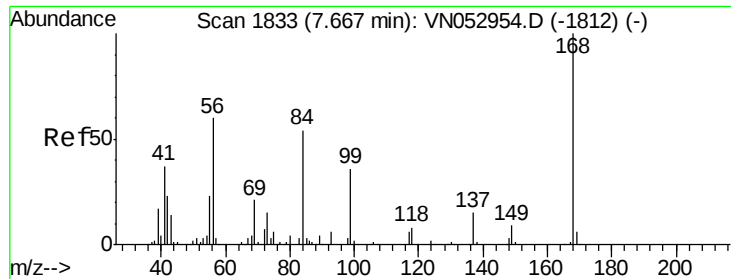
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122218\
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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

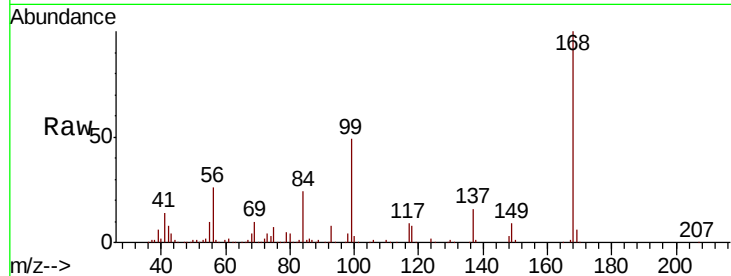
VN1222MBS01

Tot Ion:168 Resp: 1066554

Ion Ratio Lower Upper

168 100

99 49.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

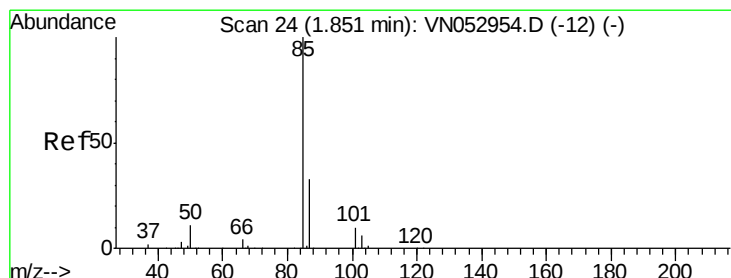
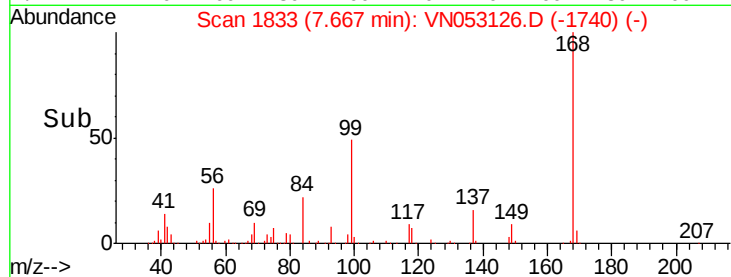
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.426 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053126.D

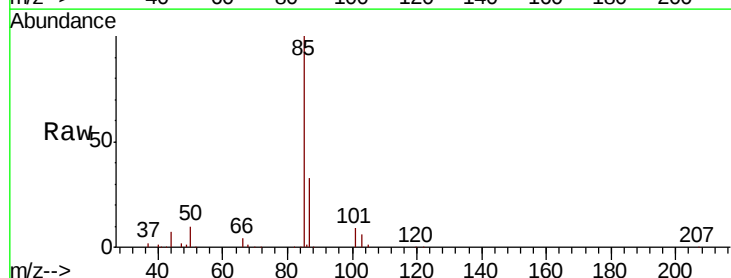
Acq: 22 Dec 2018 12:18

Tgt Ion: 85 Resp: 198894

Ion Ratio Lower Upper

85 100

87 33.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

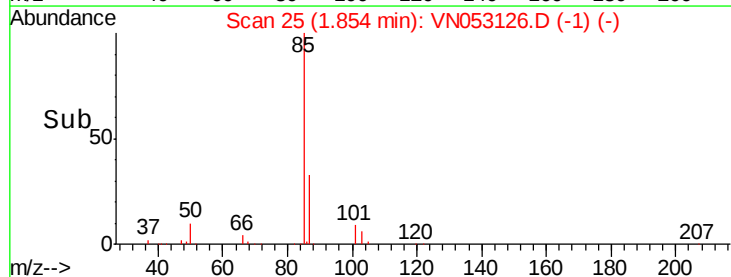
100000

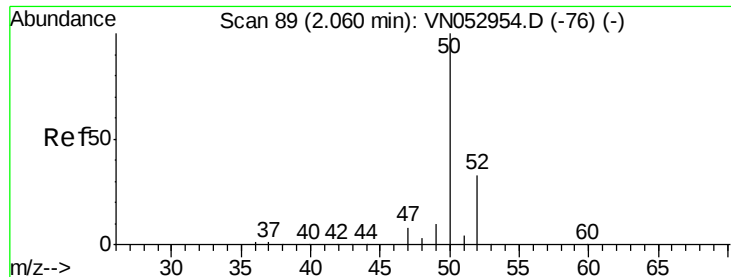
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.826 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

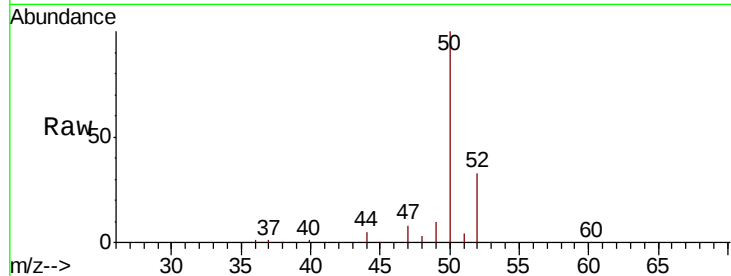
VN1222MBS01

Tot Ion: 50 Resp: 233176

Ion Ratio Lower Upper

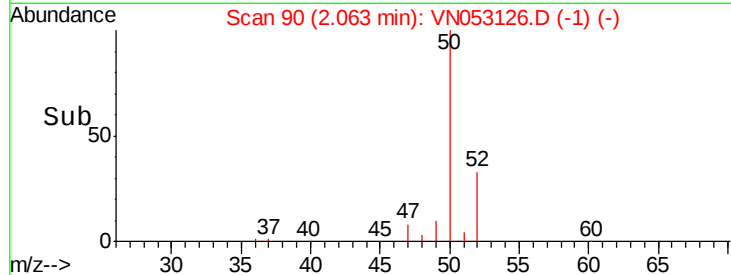
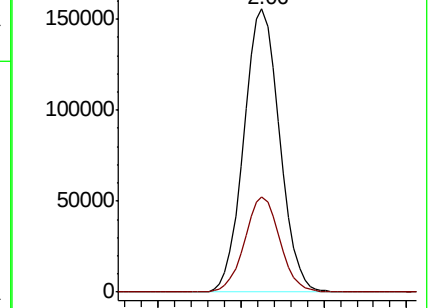
50 100

52 33.5 26.2 39.4

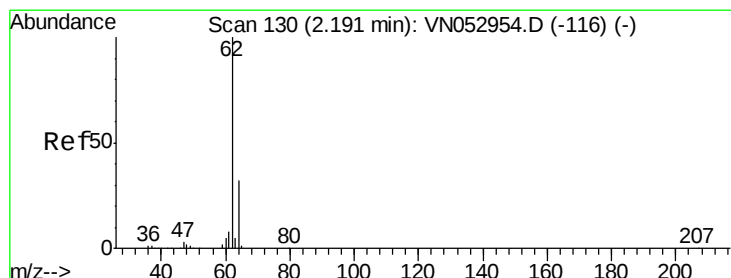


Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



Time-->



#4

Vinyl Chloride

Concen: 18.724 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053126.D

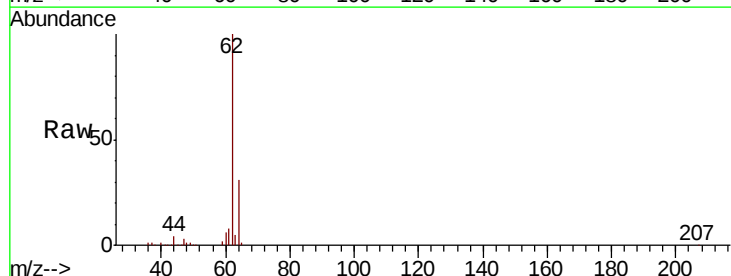
Acq: 22 Dec 2018 12:18

Tgt Ion: 62 Resp: 248041

Ion Ratio Lower Upper

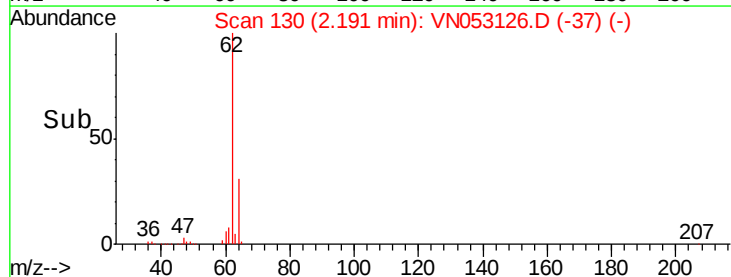
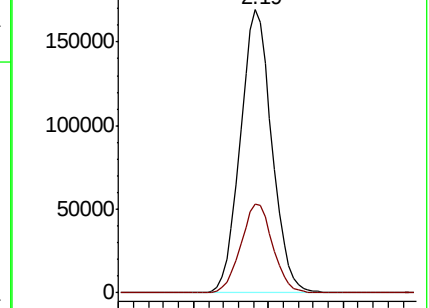
62 100

64 31.4 25.5 38.3

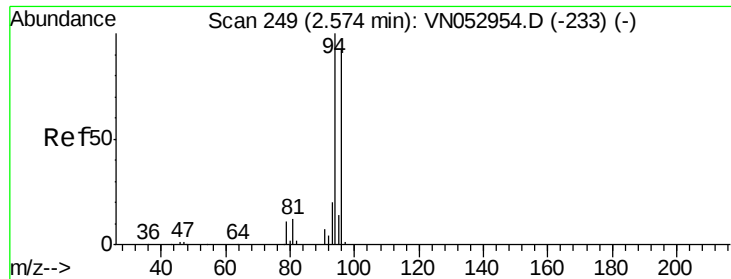


Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



Time-->



#5

Bromomethane

Concen: 17.072 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

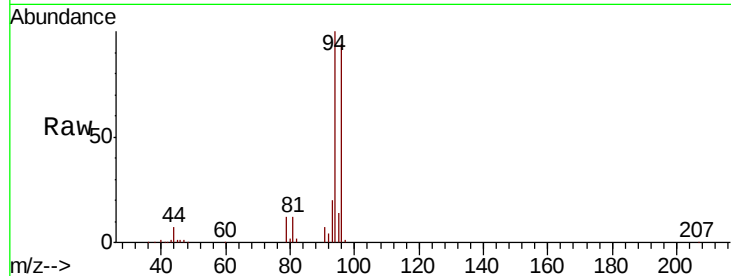
VN1222MBS01

Tot Ion: 94 Resp: 156688

Ion Ratio Lower Upper

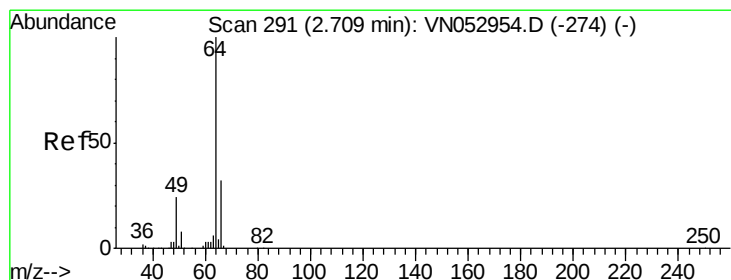
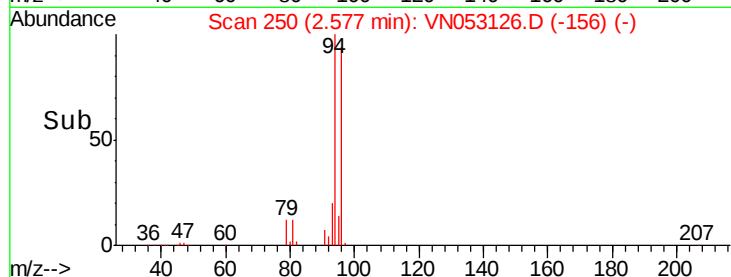
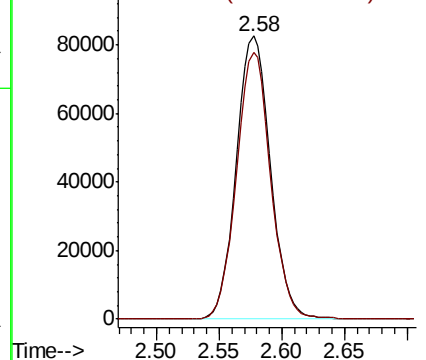
94 100

96 94.4 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 19.079 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053126.D

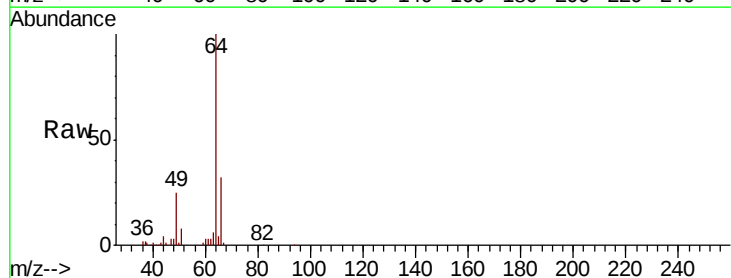
Acq: 22 Dec 2018 12:18

Tgt Ion: 64 Resp: 149689

Ion Ratio Lower Upper

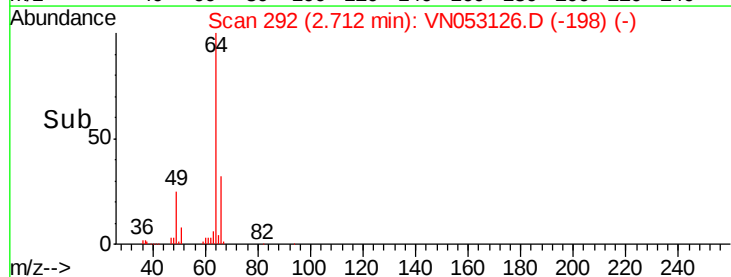
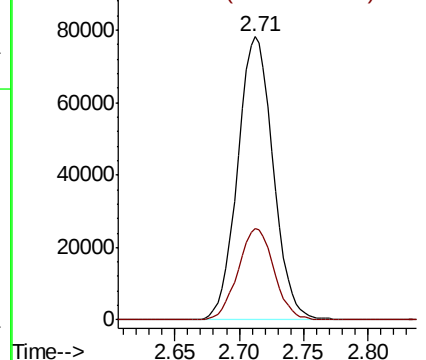
64 100

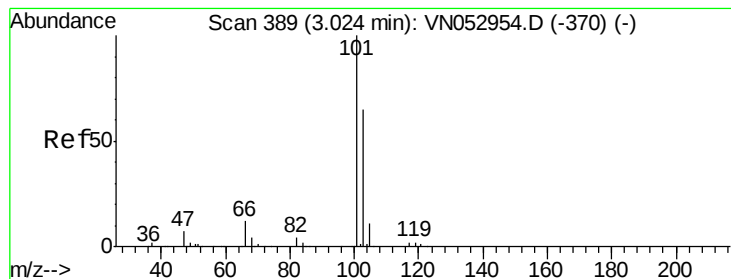
66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



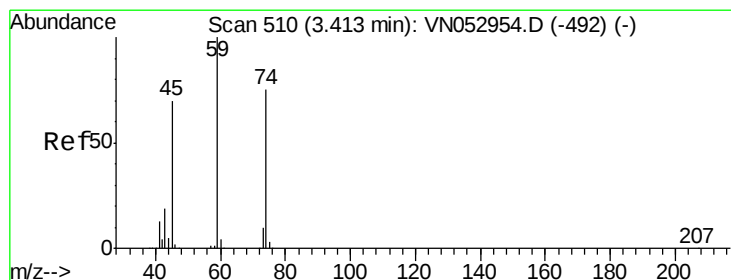
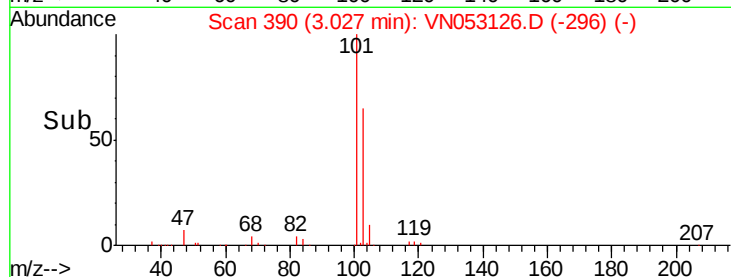
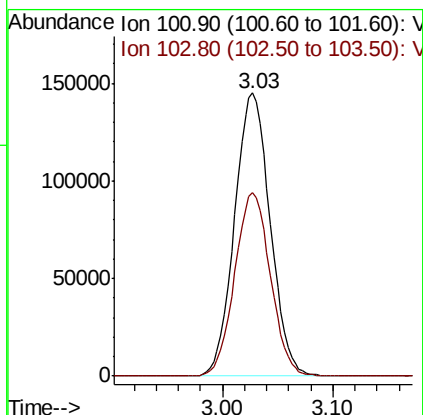
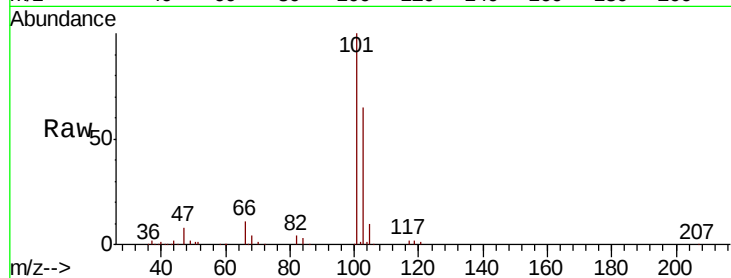


#7

Trichlorofluoromethane
 Concen: 19.647 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Instrument :
 MSVOA_N
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 VN1222MBS01

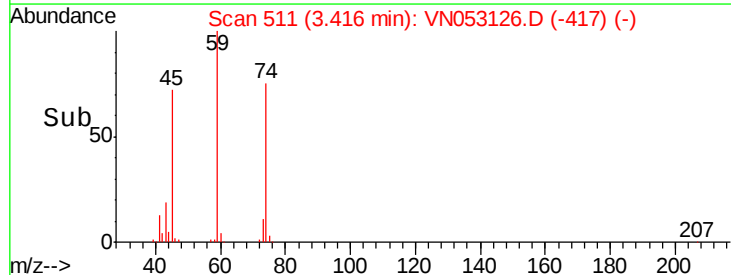
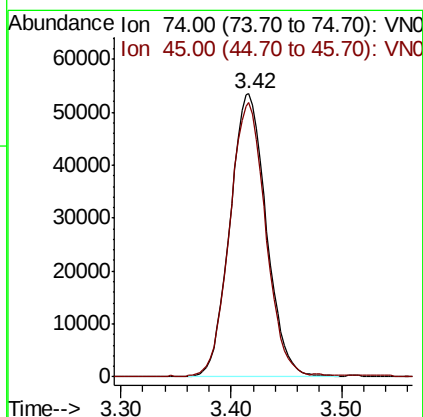
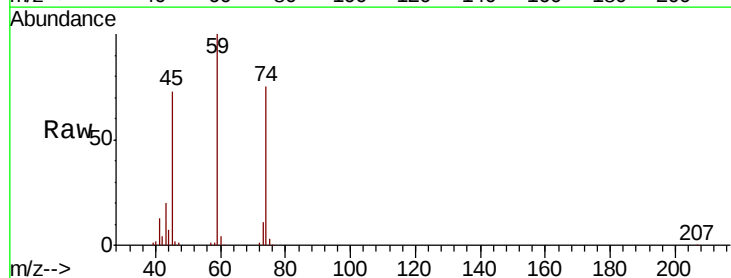
Tot Ion:101 Resp: 324229
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.8 77.6

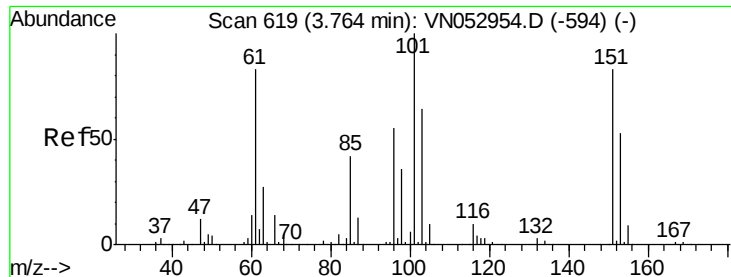


#8

Diethyl Ether
 Concen: 19.614 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion: 74 Resp: 122113
 Ion Ratio Lower Upper
 74 100
 45 96.4 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.633 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

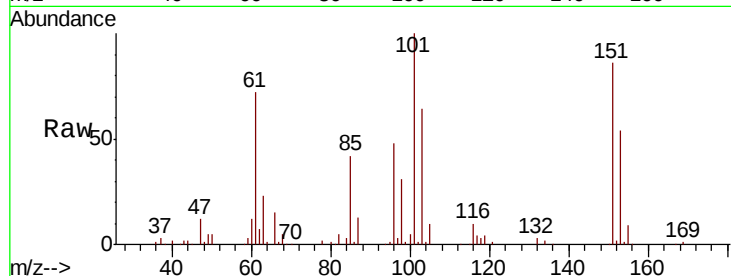
Tot Ion:101 Resp: 206582

Ion Ratio Lower Upper

101 100

85 41.1 33.6 50.4

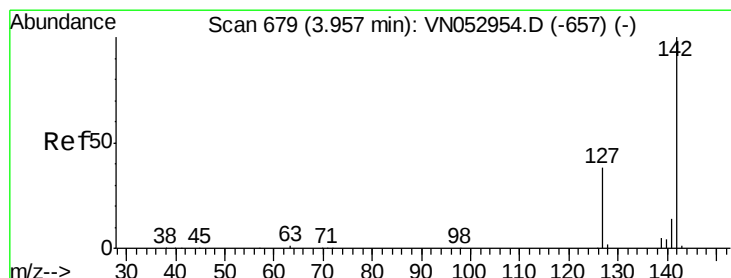
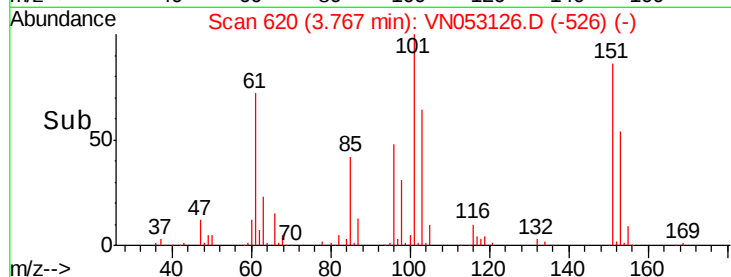
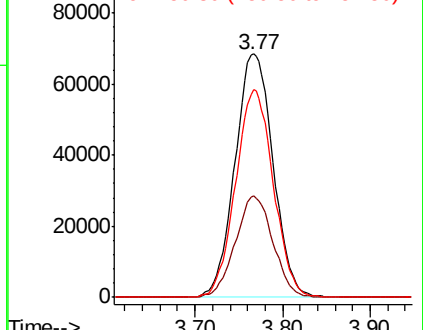
151 84.5 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.525 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

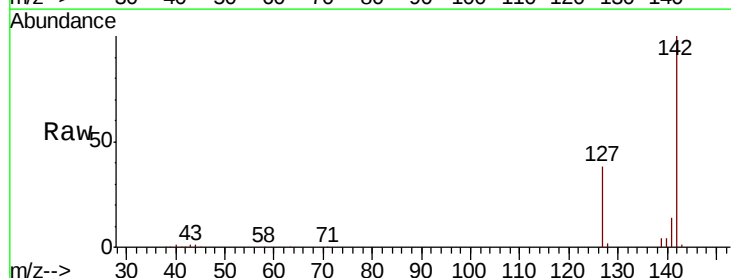
Tgt Ion:142 Resp: 258957

Ion Ratio Lower Upper

142 100

127 37.7 31.0 46.6

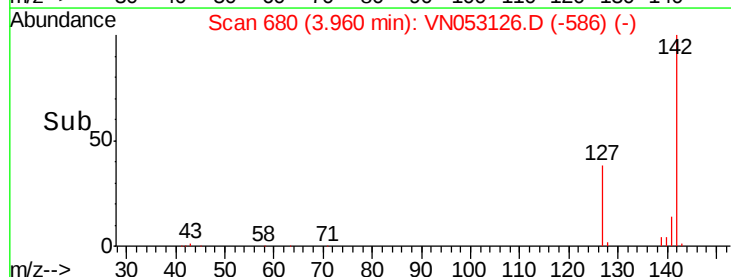
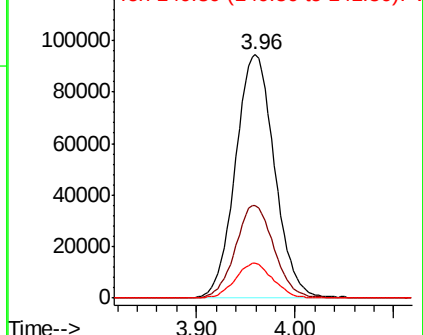
141 13.9 11.2 16.8

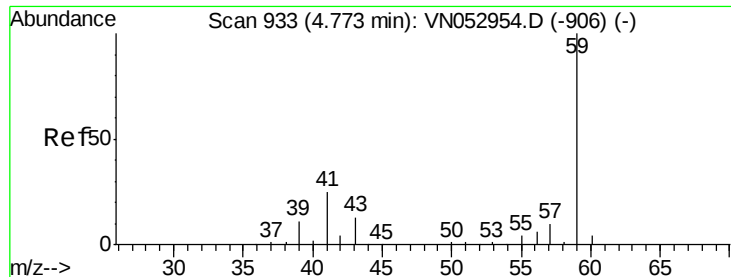


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



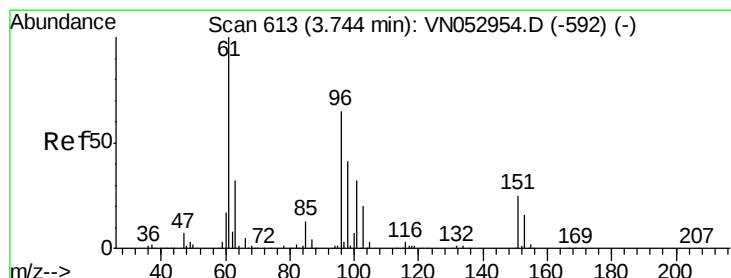
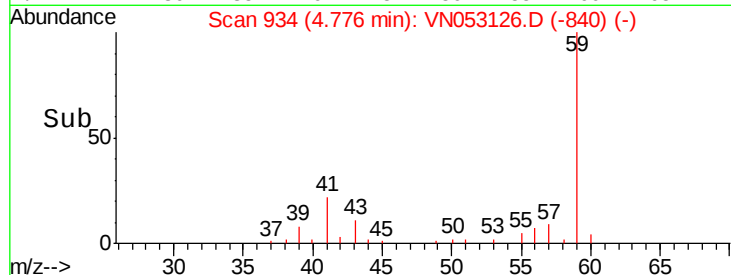
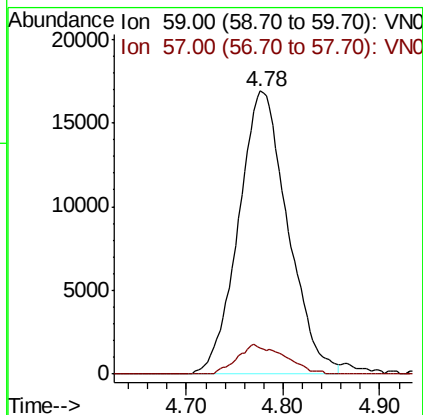
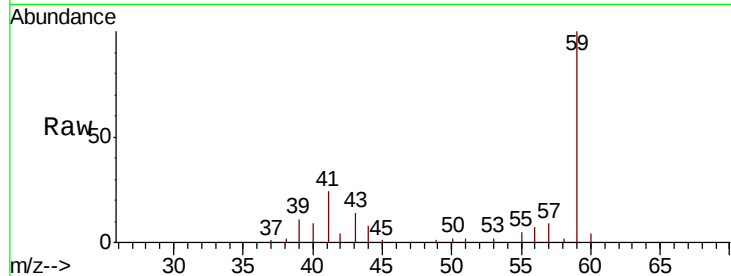


#11

Tert butyl alcohol
 Concen: 90.464 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS01

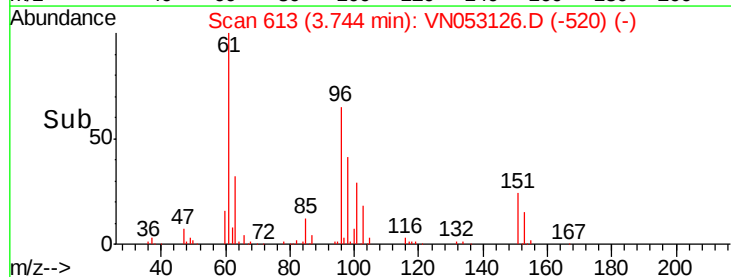
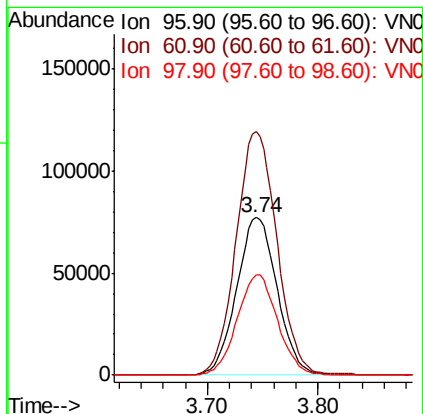
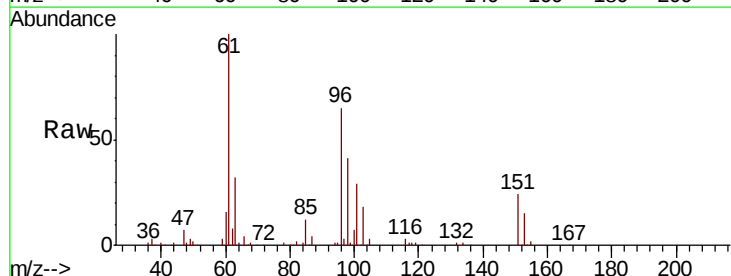
Tot Ion: 59 Resp: 59743
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.7 11.5

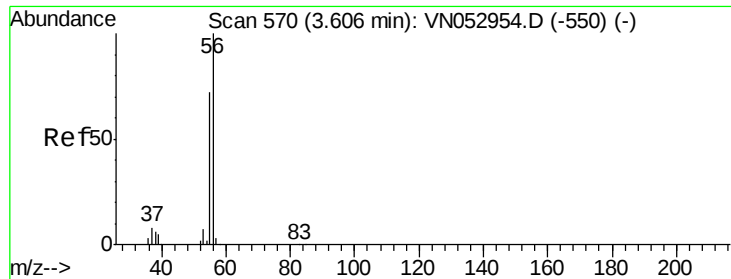


#12

1,1-Dichloroethene
 Concen: 19.265 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion: 96 Resp: 195837
 Ion Ratio Lower Upper
 96 100
 61 154.3 125.6 188.4
 98 63.5 50.6 75.8





#13

Acrolein

Concen: 109.264 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

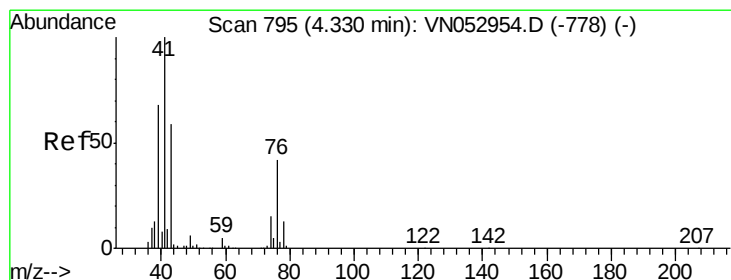
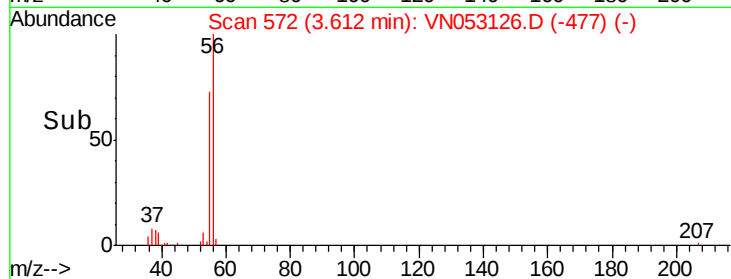
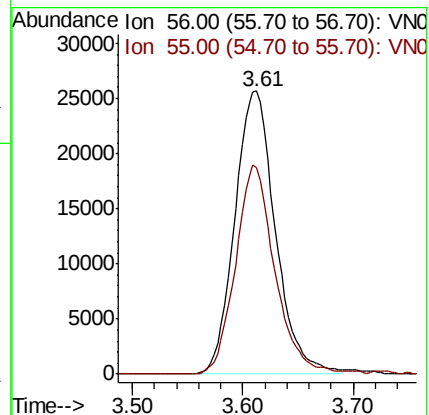
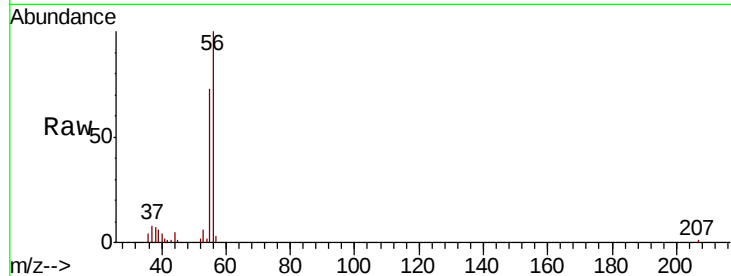
VN1222MBS01

Tot Ion: 56 Resp: 65429

Ion Ratio Lower Upper

56 100

55 71.3 56.6 85.0



#14

Allyl chloride

Concen: 20.203 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

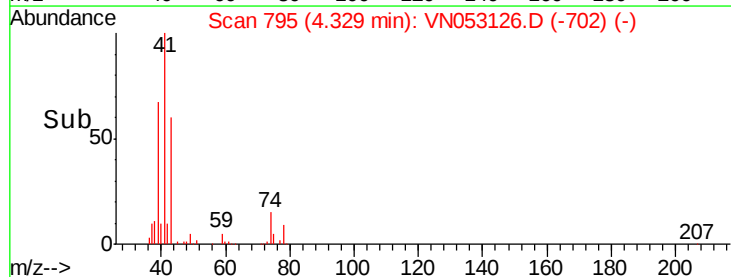
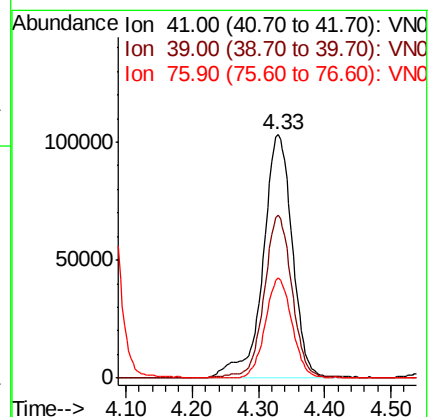
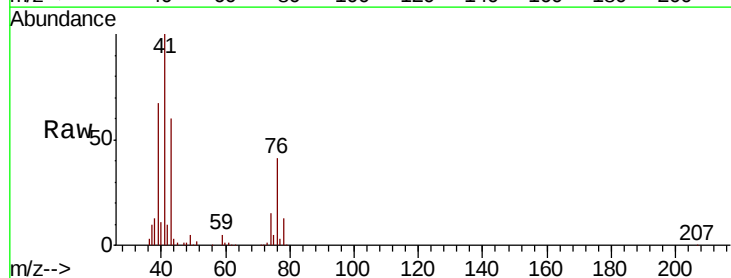
Tgt Ion: 41 Resp: 318120

Ion Ratio Lower Upper

41 100

39 63.5 54.1 81.1

76 36.9 30.3 45.5





#15

Acrylonitrile

Concen: 94.950 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampled :

VN1222MBS01

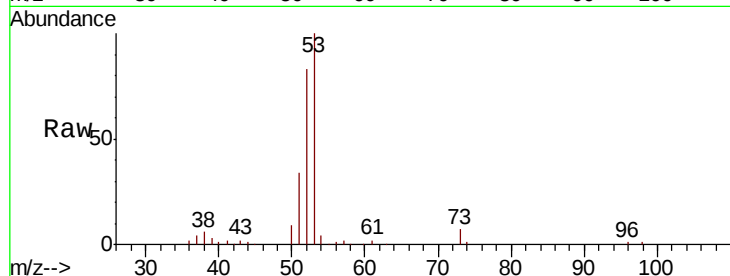
Tot Ion: 53 Resp: 348361

Ion Ratio Lower Upper

53 100

52 83.0 65.1 97.7

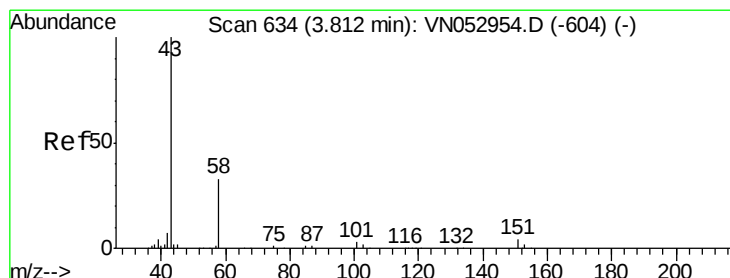
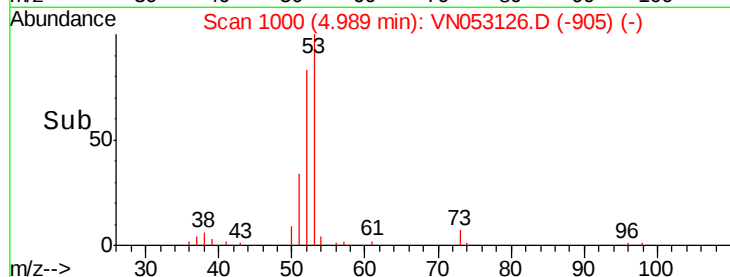
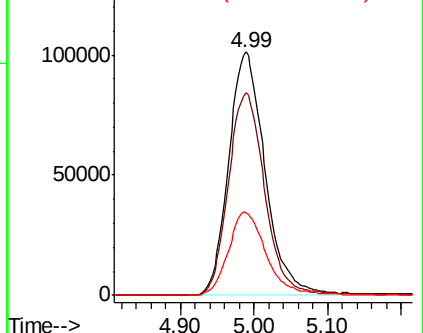
51 35.6 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN053126.D (-998) (-)

Ion 52.00 (51.70 to 52.70): VN053126.D (-998) (-)

Ion 51.00 (50.70 to 51.70): VN053126.D (-998) (-)



#16

Acetone

Concen: 99.805 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053126.D

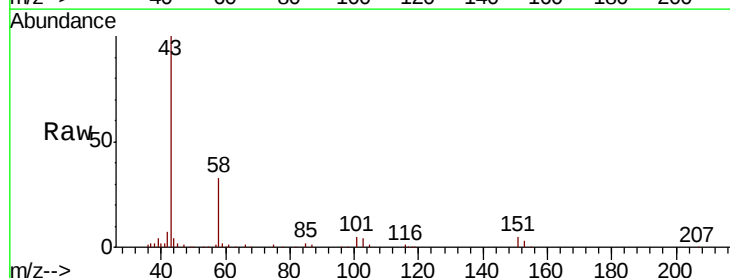
Acq: 22 Dec 2018 12:18

Tgt Ion: 43 Resp: 211801

Ion Ratio Lower Upper

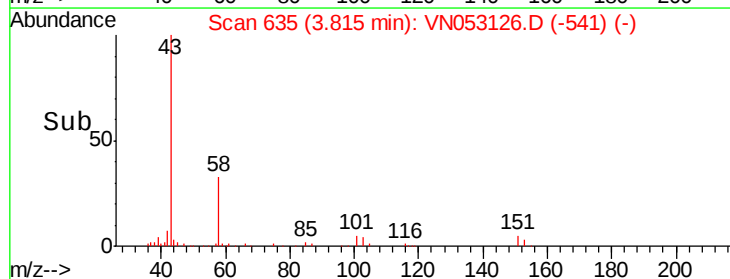
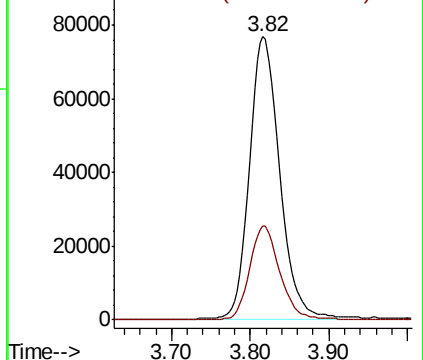
43 100

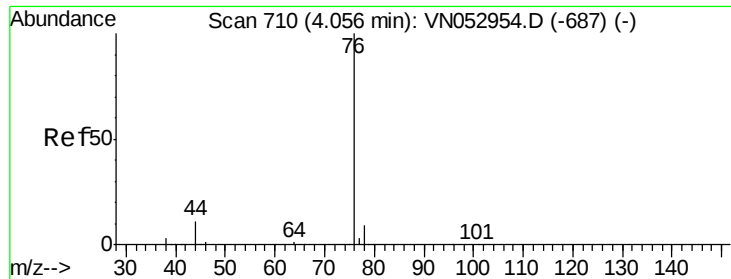
58 33.3 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053126.D (-634) (-)

Ion 58.00 (57.70 to 58.70): VN053126.D (-634) (-)

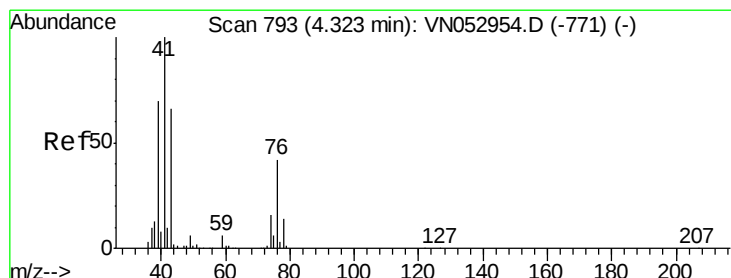
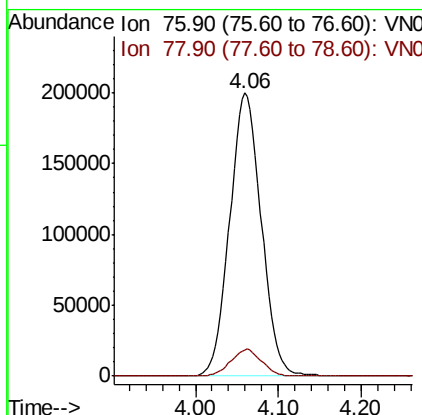
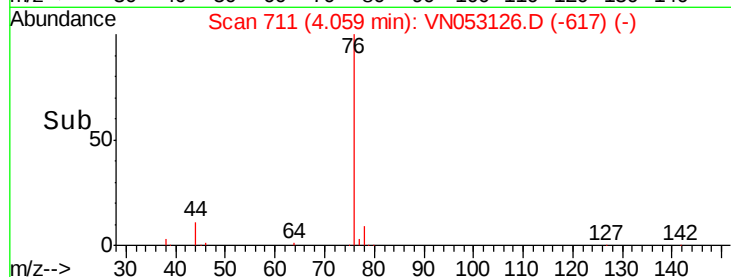
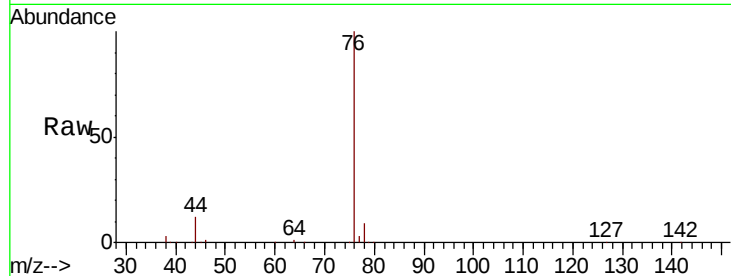




#17
Carbon Disulfide
Concen: 16.006 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

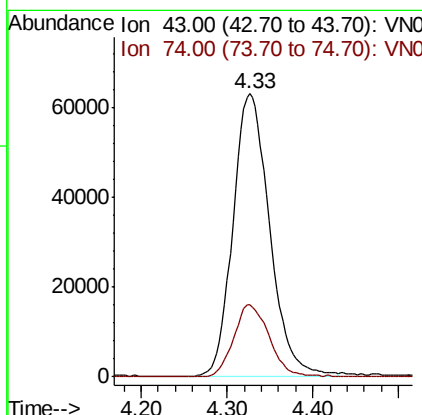
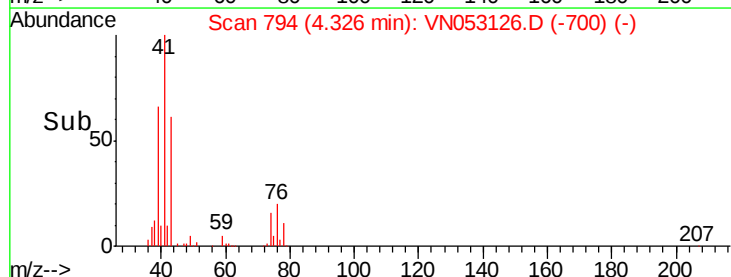
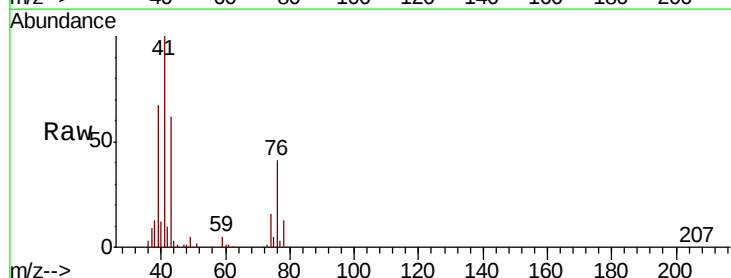
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

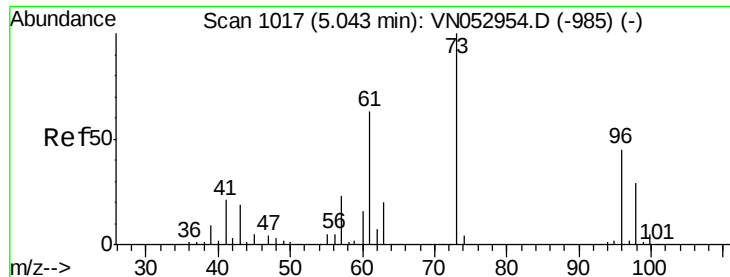
Tot Ion: 76 Resp: 530639
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 20.107 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion: 43 Resp: 187842
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 19.755 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

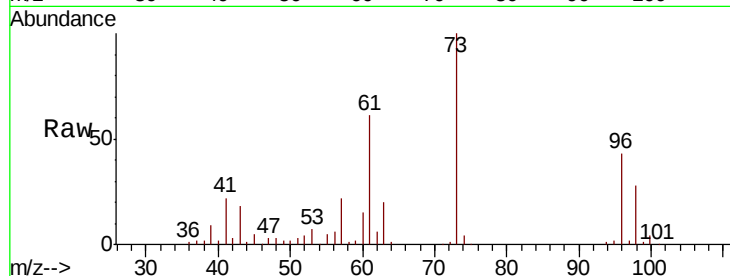
VN1222MBS01

Tot Ion: 73 Resp: 537410

Ion Ratio Lower Upper

73 100

57 21.7 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN052954.D (-985) (-)

Ion 57.00 (56.70 to 57.70): VN052954.D (-985) (-)

5.05

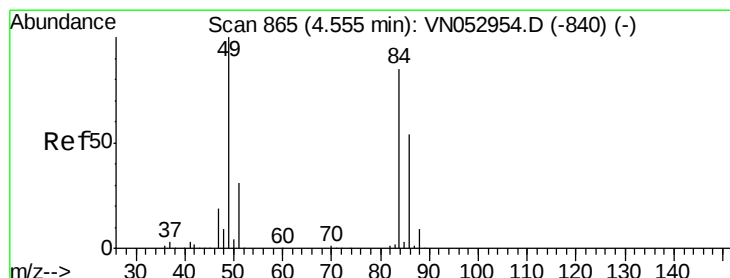
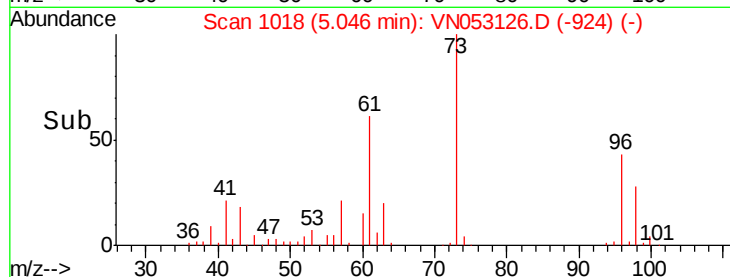
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 19.511 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Tgt Ion: 84 Resp: 225858

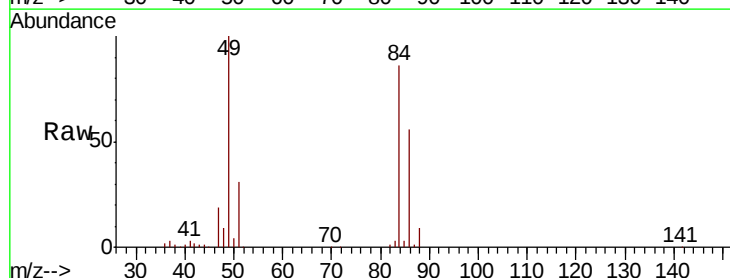
Ion Ratio Lower Upper

84 100

49 116.4 96.8 145.2

51 36.2 29.9 44.9

86 64.7 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VN052954.D (-840) (-)

Ion 48.90 (48.60 to 49.60): VN052954.D (-840) (-)

Ion 50.90 (50.60 to 51.60): VN052954.D (-840) (-)

Ion 85.90 (85.60 to 86.60): VN052954.D (-840) (-)

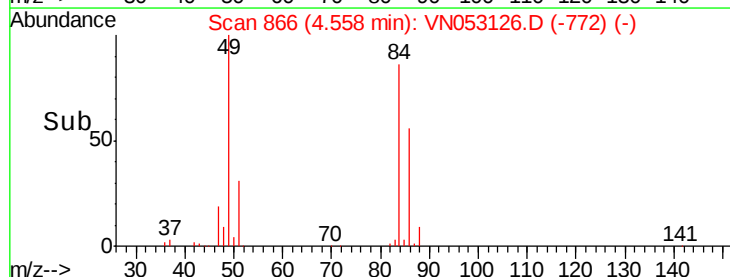
4.56

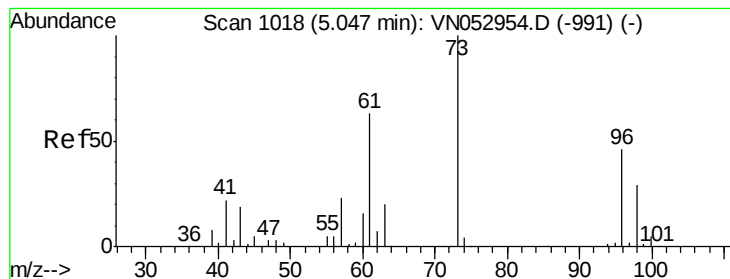
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 18.928 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampled :

VN1222MBS01

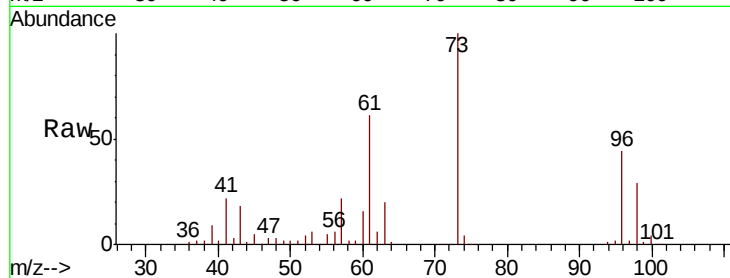
Tot Ion: 96 Resp: 206735

Ion Ratio Lower Upper

96 100

61 138.5 110.8 166.2

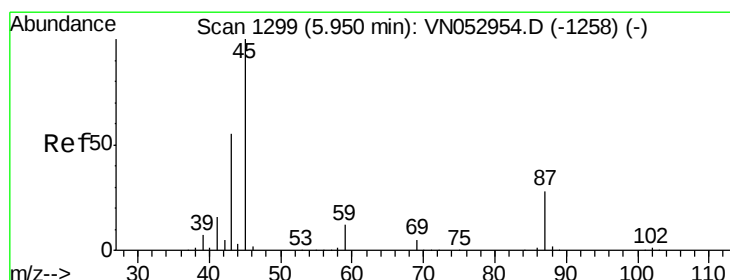
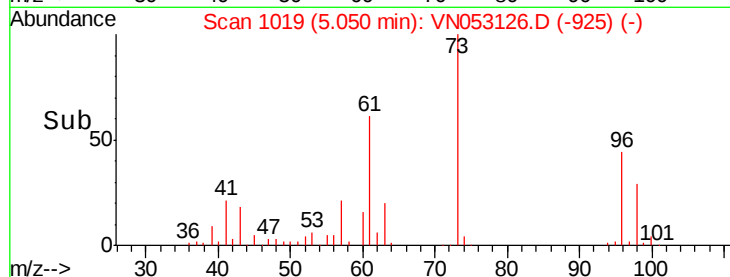
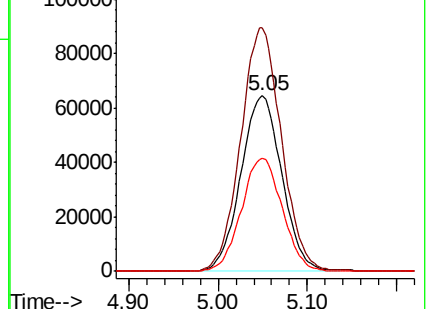
98 64.6 51.4 77.2



Abundance Ion 95.90 (95.60 to 96.60): VN052954.D (-991) (-)

Ion 60.90 (60.60 to 61.60): VN052954.D (-991) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-991) (-)



#22

Diisopropyl ether

Concen: 20.728 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Tgt Ion: 45 Resp: 696696

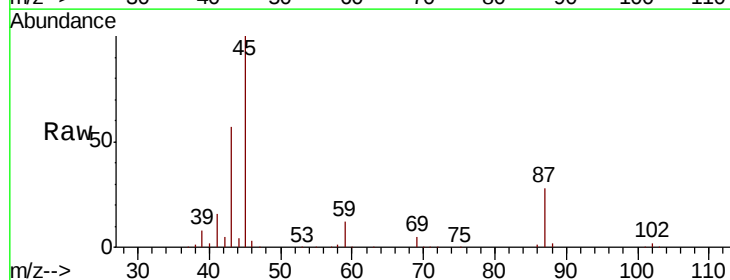
Ion Ratio Lower Upper

45 100

43 55.8 45.5 68.3

87 27.7 22.0 33.0

59 12.2 9.4 14.0

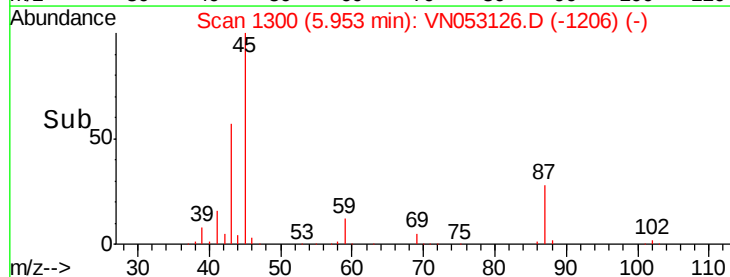
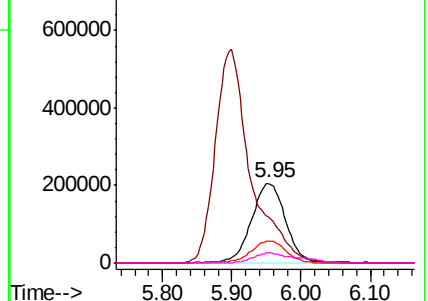


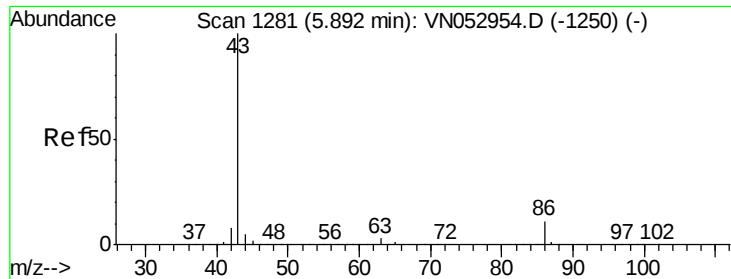
Abundance Ion 45.00 (44.70 to 45.70): VN052954.D (-1258) (-)

Ion 43.00 (42.70 to 43.70): VN052954.D (-1258) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1258) (-)

Ion 59.00 (58.70 to 59.70): VN052954.D (-1258) (-)





#23

Vinyl Acetate

Concen: 101.088 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

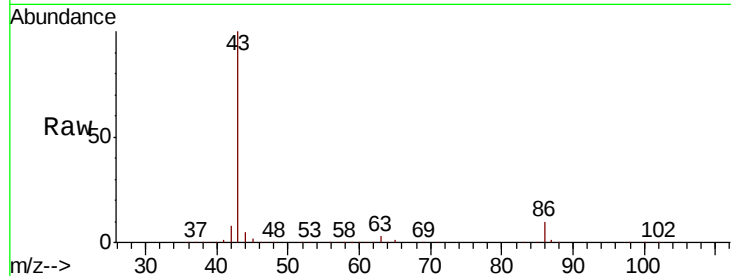
VN1222MBS01

Tot Ion: 43 Resp: 1953749

Ion Ratio Lower Upper

43 100

86 10.4 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1250) (-)

Ion 86.00 (85.70 to 86.70): VN052954.D (-1250) (-)

5.90

600000

500000

400000

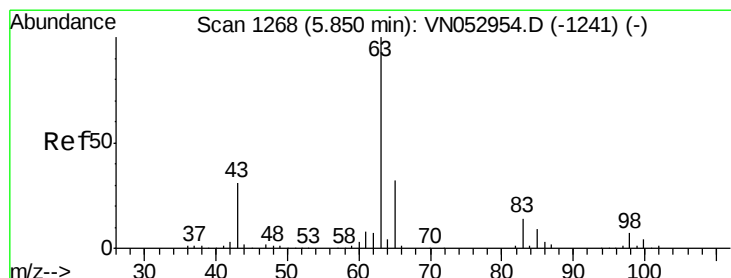
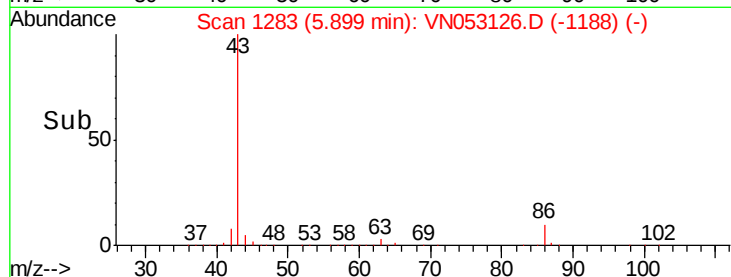
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.193 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

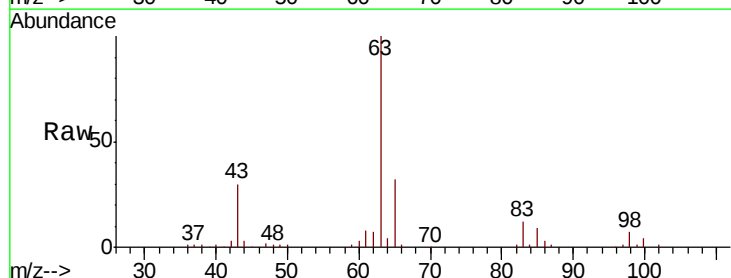
Tgt Ion: 63 Resp: 403294

Ion Ratio Lower Upper

63 100

98 7.0 3.1 9.4

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN052954.D (-1241) (-)

5.85

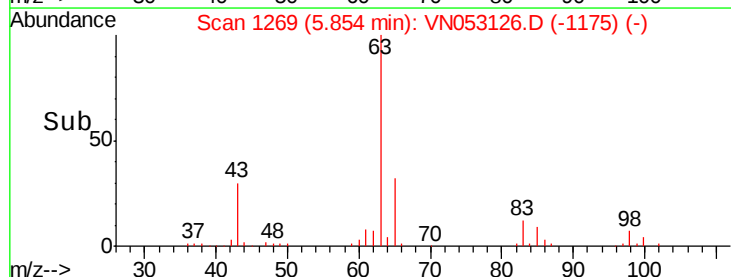
150000

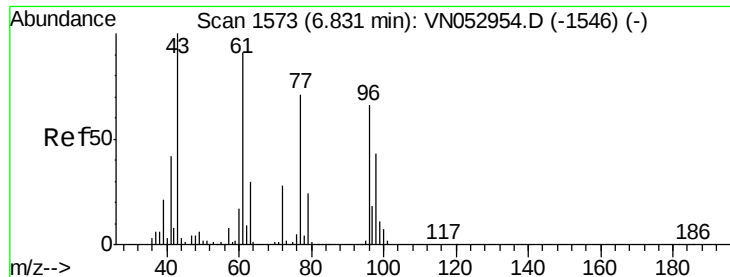
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 101.490 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

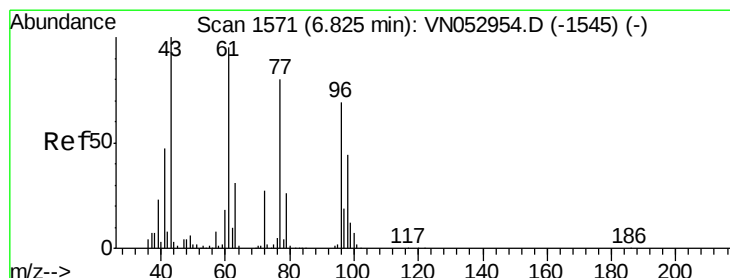
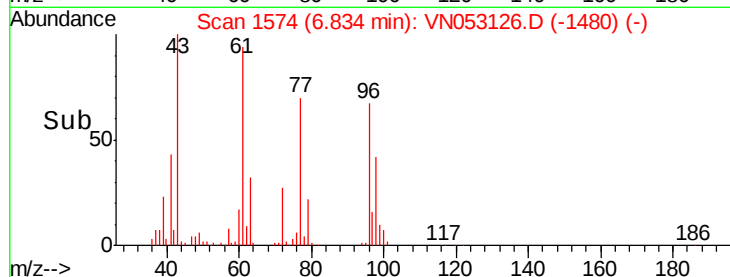
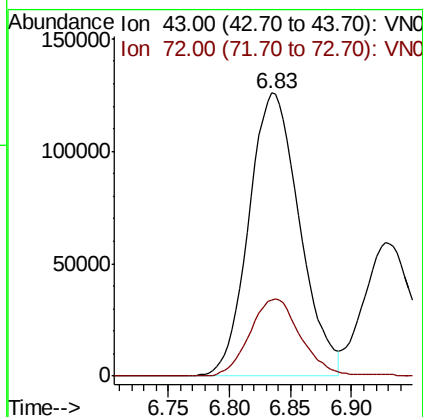
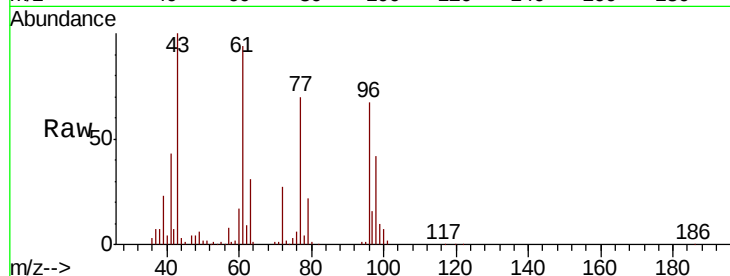
VN1222MBS01

Tot Ion: 43 Resp: 361455

Ion Ratio Lower Upper

43 100

72 27.1 21.0 31.6



#26

2,2-Dichloropropane

Concen: 19.115 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053126.D

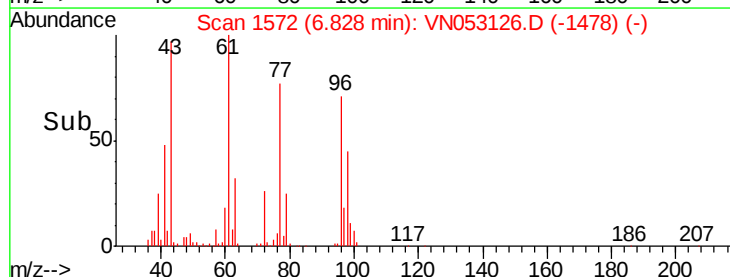
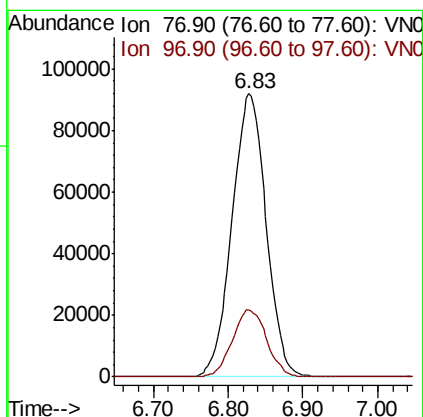
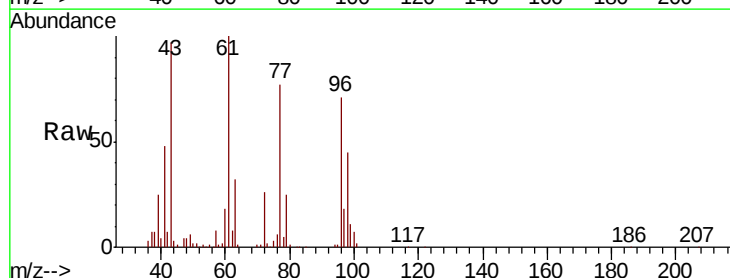
Acq: 22 Dec 2018 12:18

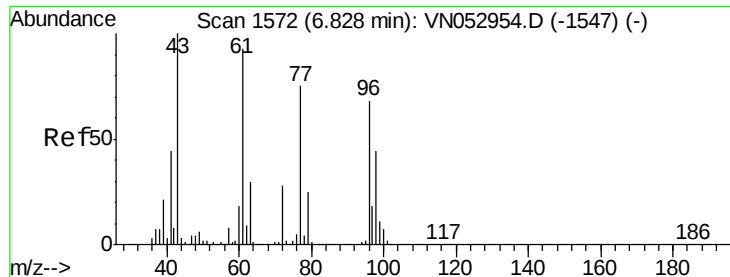
Tgt Ion: 77 Resp: 291430

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.804 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

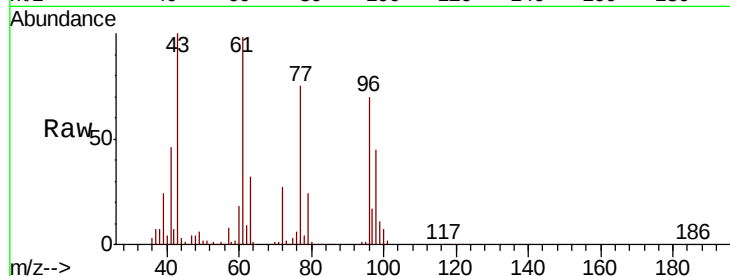
Tot Ion: 96 Resp: 244875

Ion Ratio Lower Upper

96 100

61 142.2 0.0 284.2

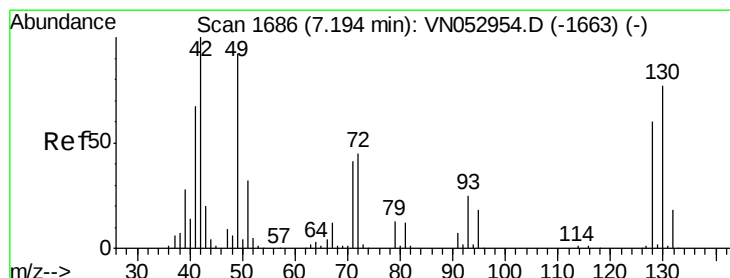
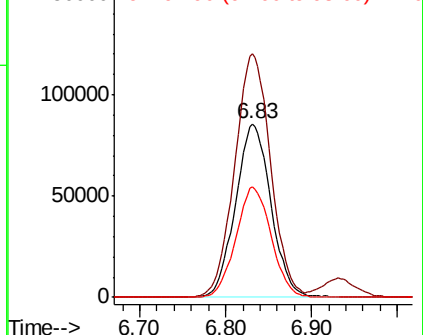
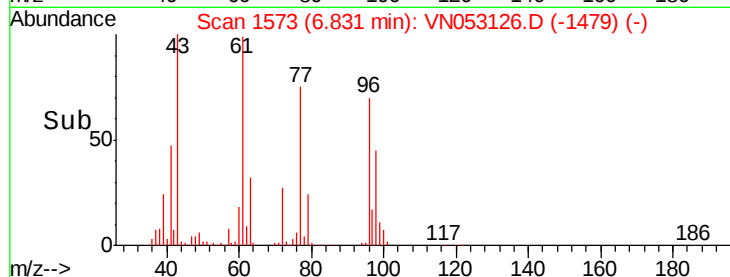
98 63.6 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053126.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053126.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053126.D (-1479) (-)



#28

Bromochloromethane

Concen: 19.758 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

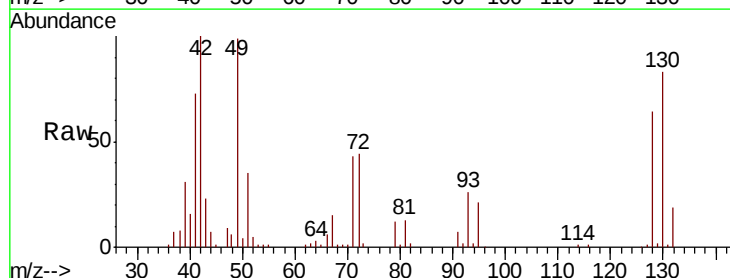
Tgt Ion: 49 Resp: 170992

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

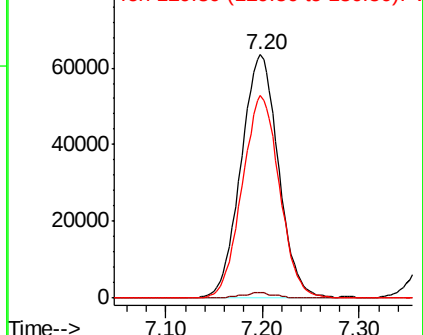
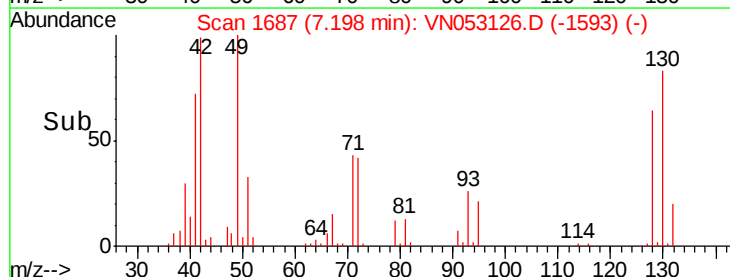
130 82.9 63.3 94.9

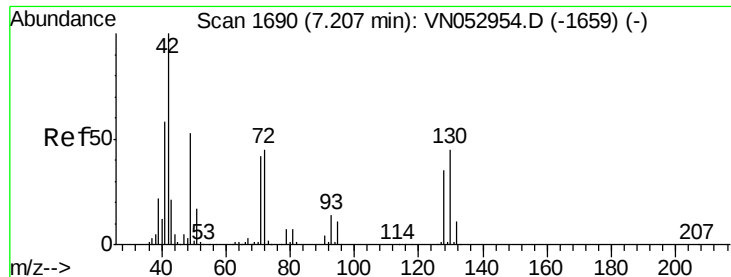


Abundance Ion 48.90 (48.60 to 49.60): VN053126.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053126.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053126.D (-1593) (-)

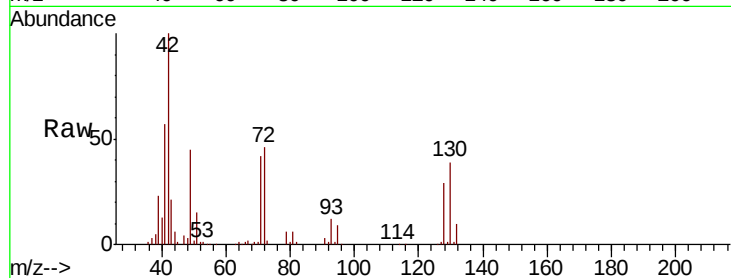




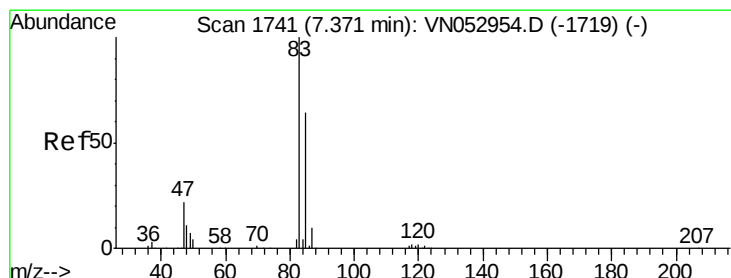
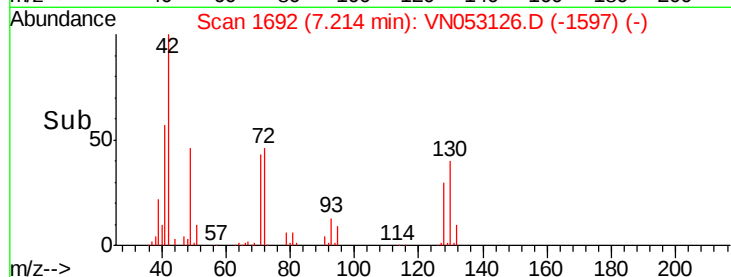
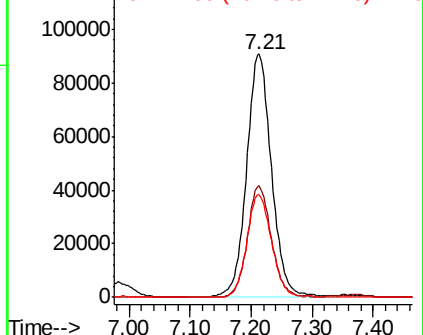
#29
Tetrahydrofuran
Concen: 96.842 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Tot Ion: 42 Resp: 257595
Ion Ratio Lower Upper
42 100
72 44.1 34.7 52.1
71 41.6 32.3 48.5

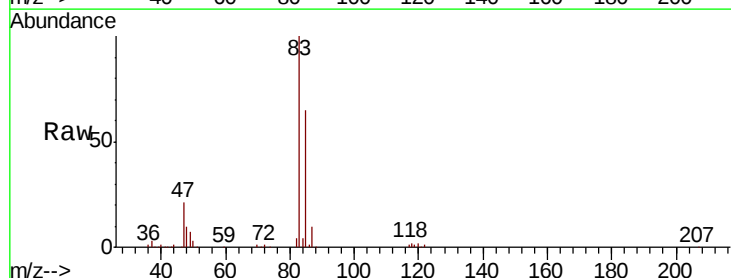


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

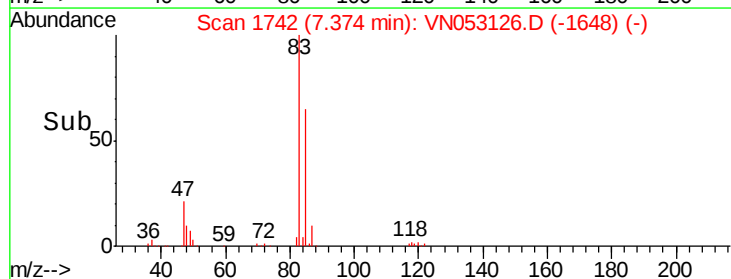
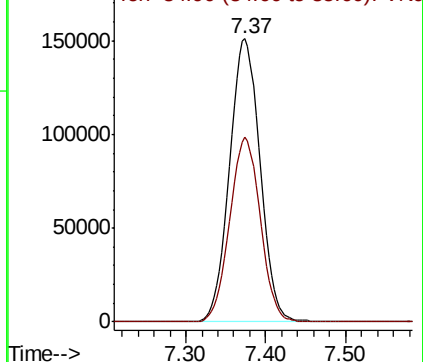


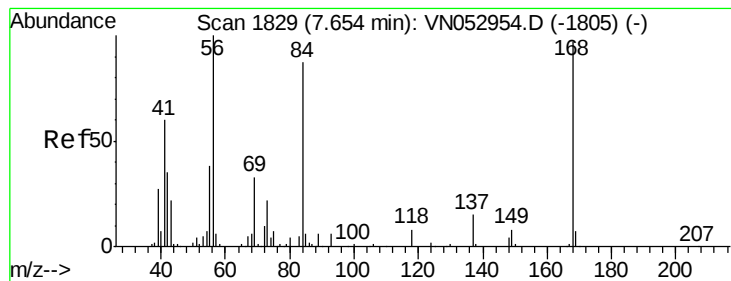
#30
Chloroform
Concen: 19.925 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion: 83 Resp: 390932
Ion Ratio Lower Upper
83 100
85 65.1 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: 19.399 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

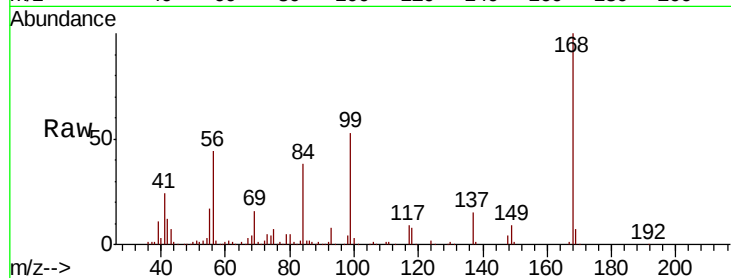
Tot Ion: 56 Resp: 375423

Ion Ratio Lower Upper

56 100

69 35.2 26.6 39.8

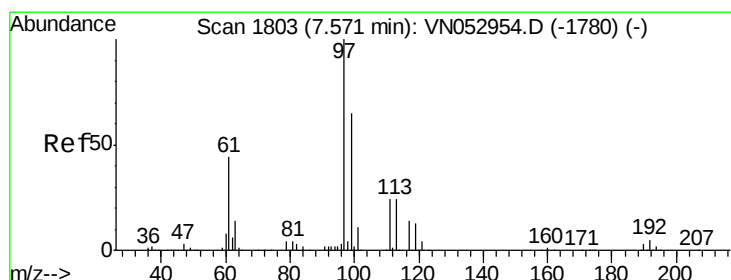
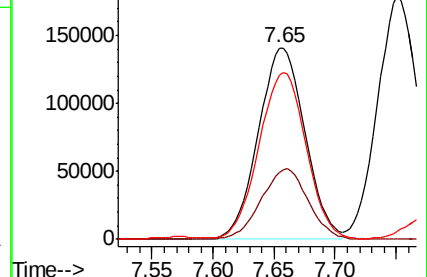
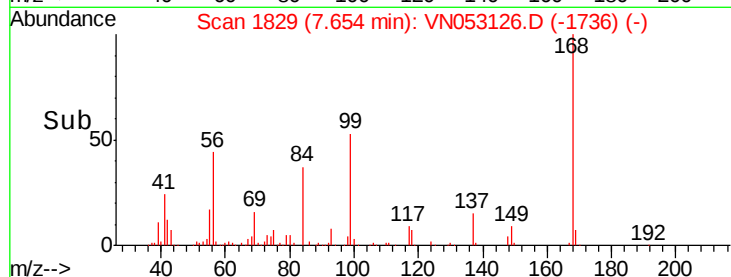
84 84.4 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053126.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053126.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053126.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 19.443 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

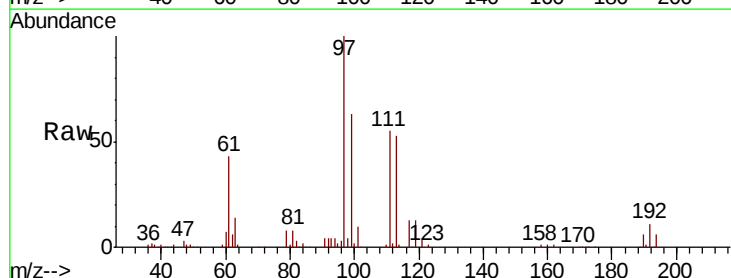
Tgt Ion: 97 Resp: 324957

Ion Ratio Lower Upper

97 100

99 63.6 51.1 76.7

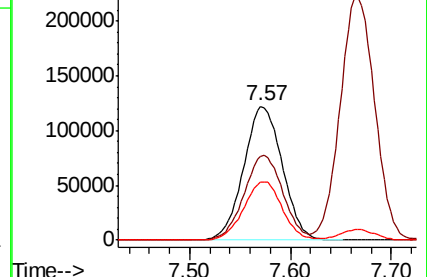
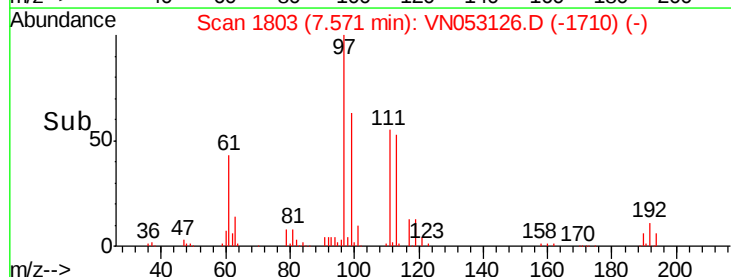
61 43.4 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN053126.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053126.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053126.D (-1710) (-)

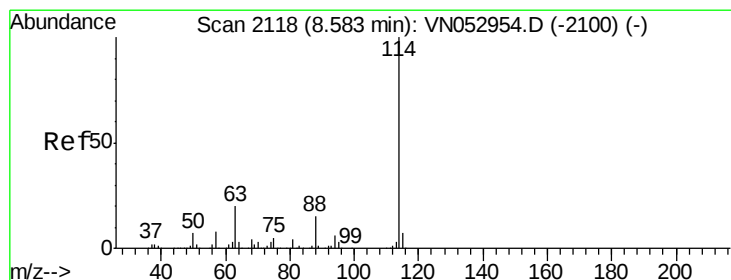
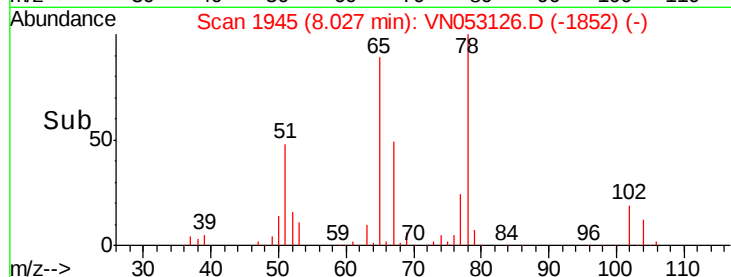
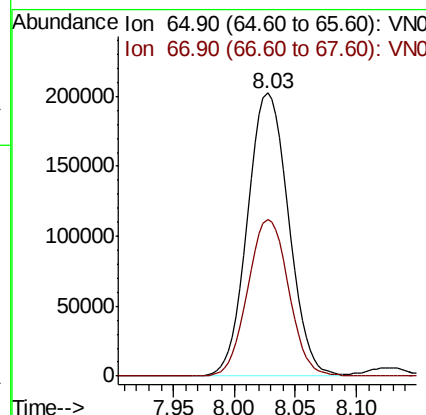
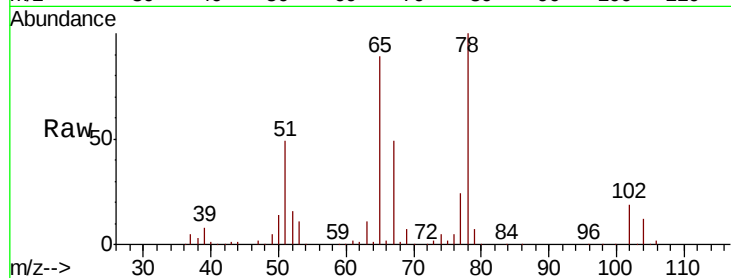




#33
 1,2-Dichloroethane-d4
 Concen: 19.443 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

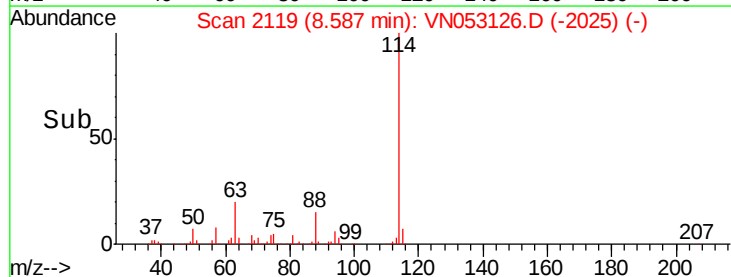
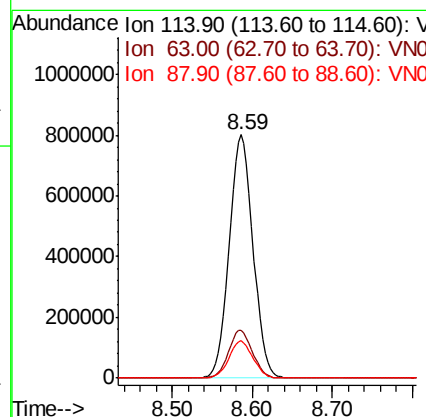
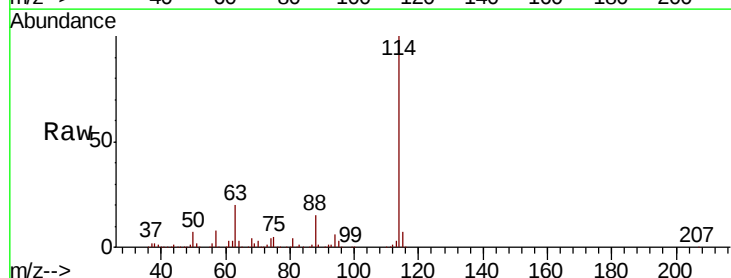
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS01

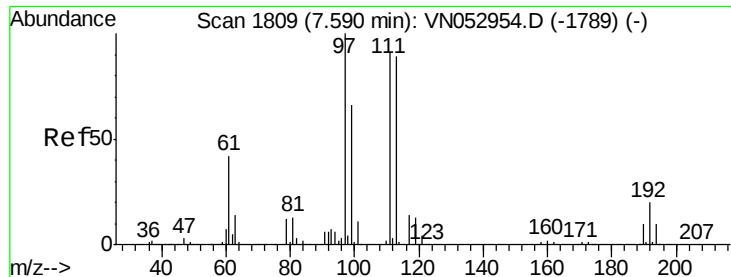
Tot Ion: 65 Resp: 473020
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion: 114 Resp: 1630492
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.3 0.0 31.0

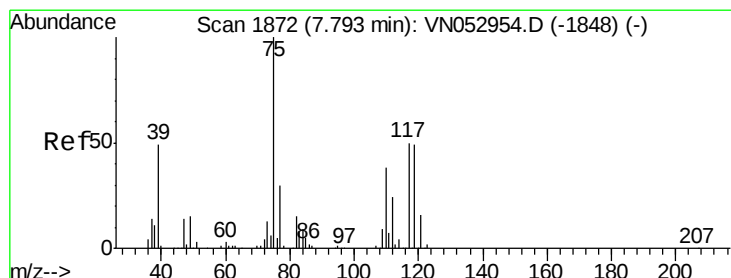
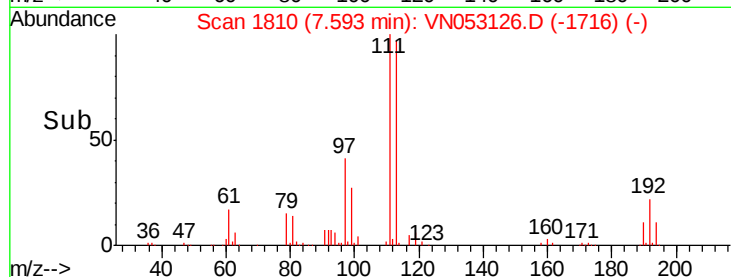
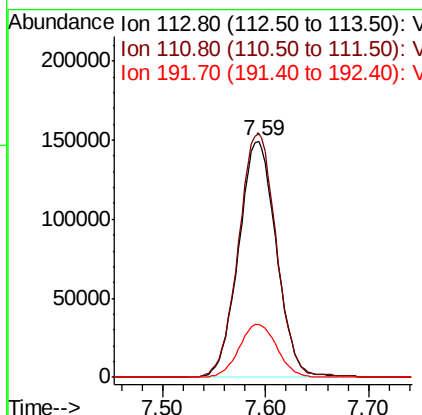
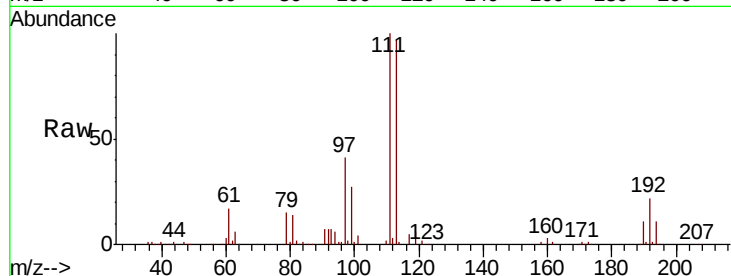




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

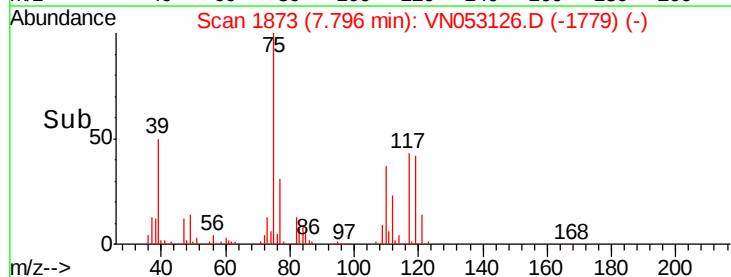
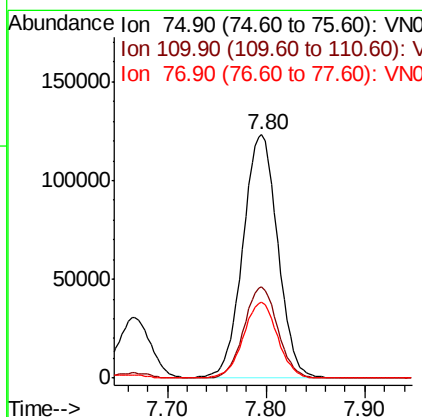
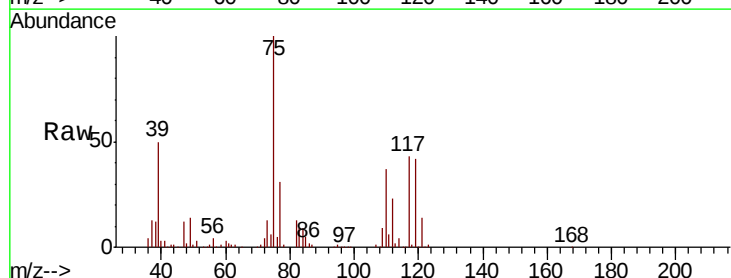
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

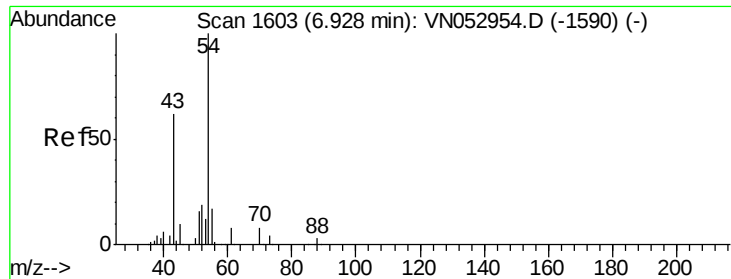
Tot Ion:113 Resp: 378930
Ion Ratio Lower Upper
113 100
111 104.2 83.0 124.4
192 22.7 17.5 26.3



#36
1,1-Dichloropropene
Concen: 19.087 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion: 75 Resp: 298716
Ion Ratio Lower Upper
75 100
110 36.5 18.2 54.6
77 30.9 24.9 37.3

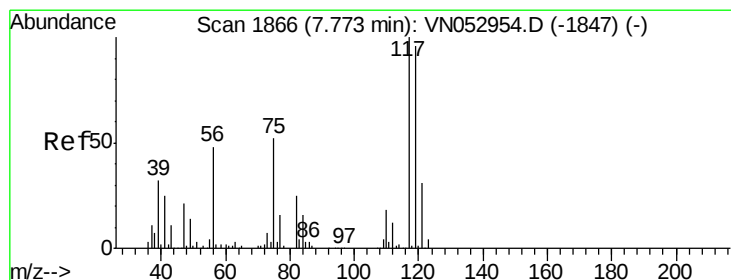
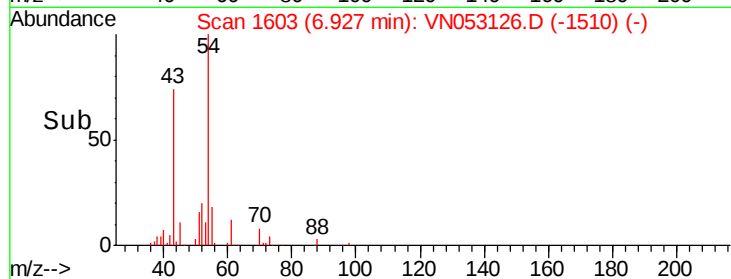
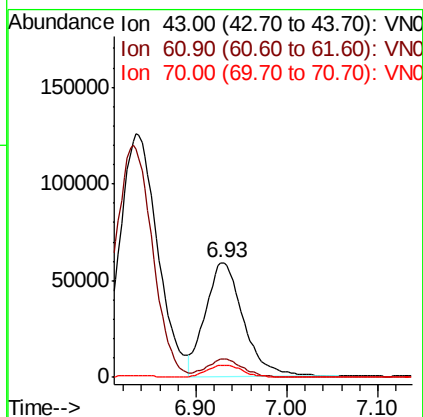
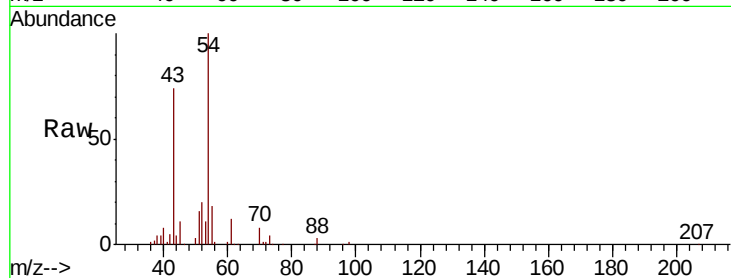




#37
Ethyl Acetate
Concen: 19.514 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

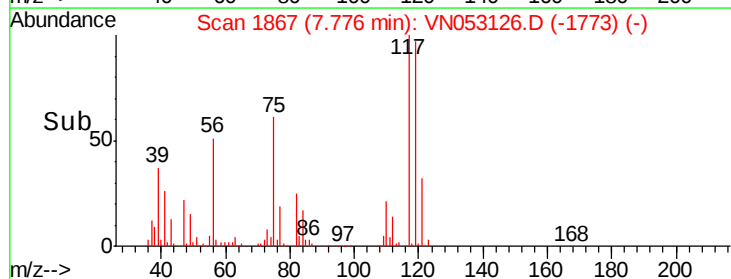
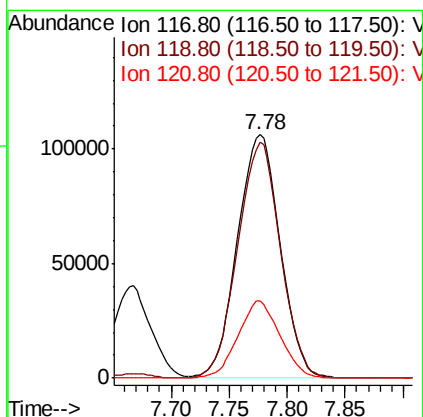
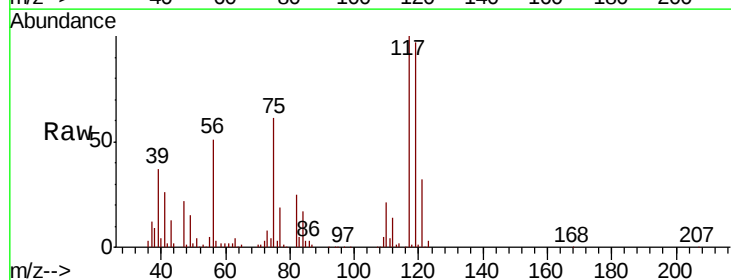
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

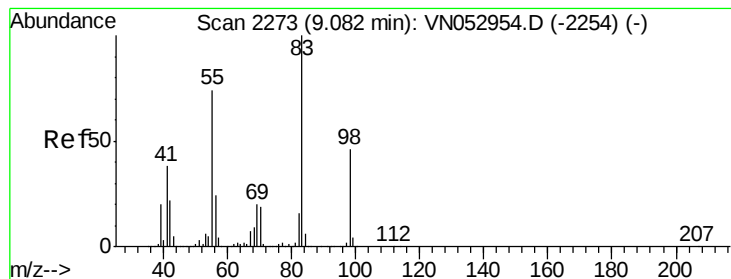
Tot Ion: 43 Resp: 170481
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.6
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.925 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion: 117 Resp: 271466
Ion Ratio Lower Upper
117 100
119 96.7 77.1 115.7
121 31.8 24.9 37.3

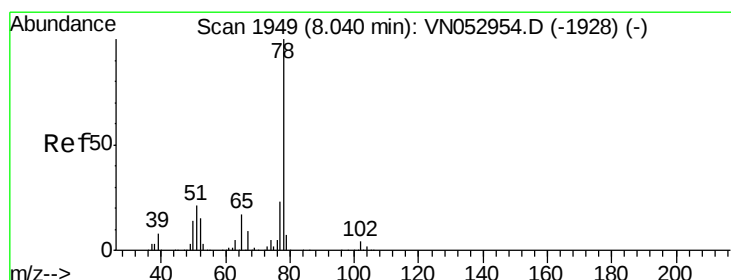
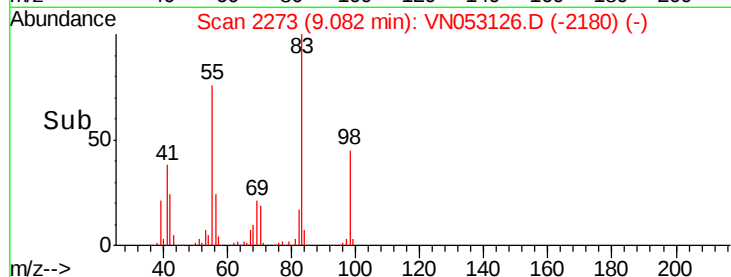
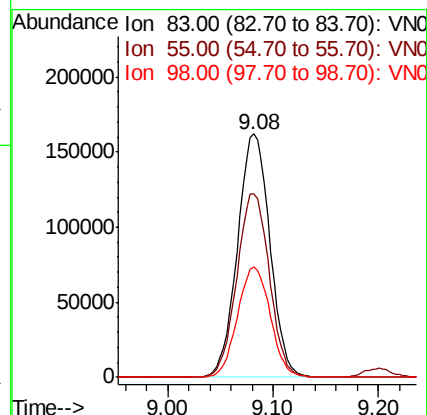
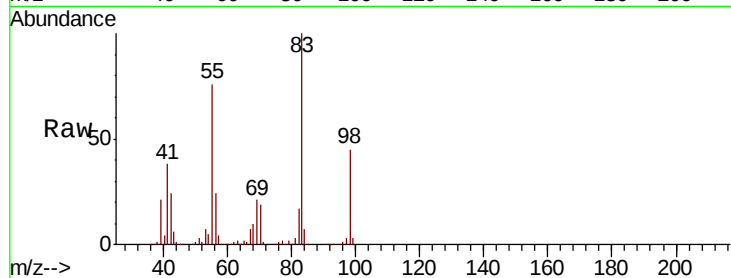




#39
Methvlcvclohexane
Concen: 18.195 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

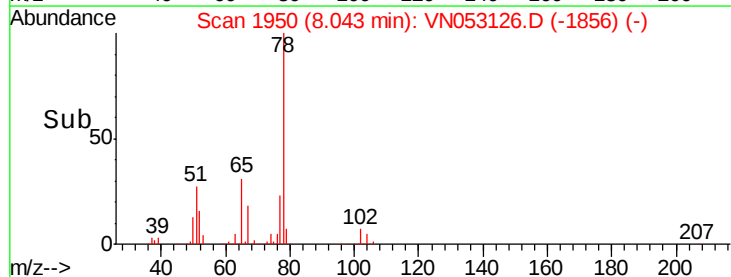
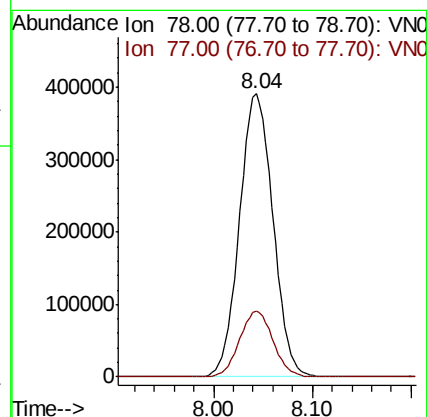
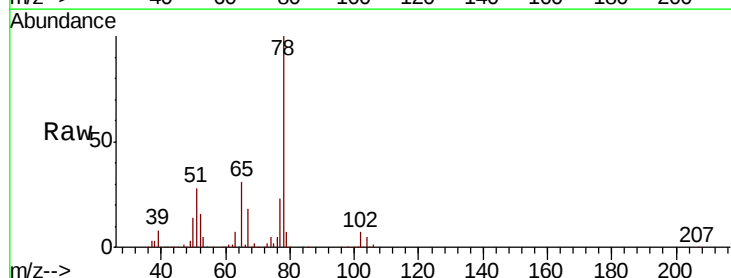
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

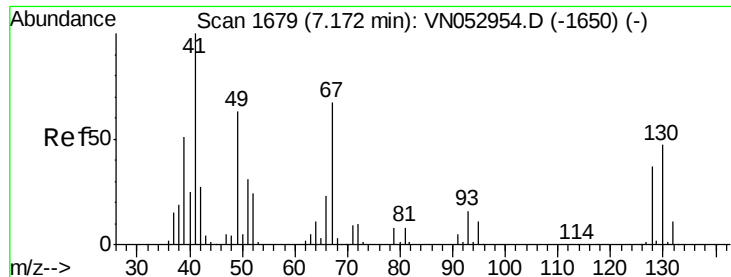
Tot Ion: 83 Resp: 345911
Ion Ratio Lower Upper
83 100
55 75.6 61.3 91.9
98 45.2 37.0 55.4



#40
Benzene
Concen: 19.778 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion: 78 Resp: 920684
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7

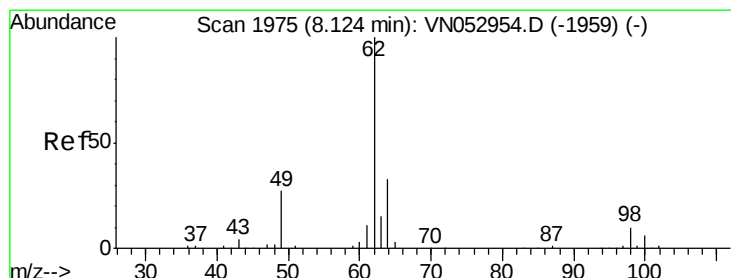
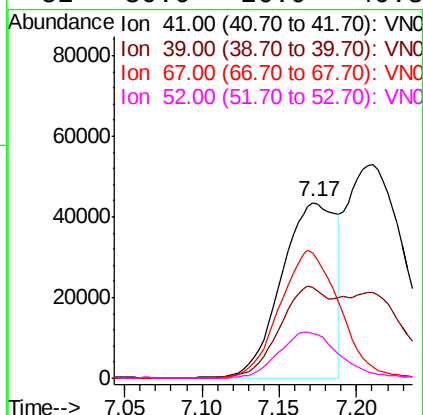
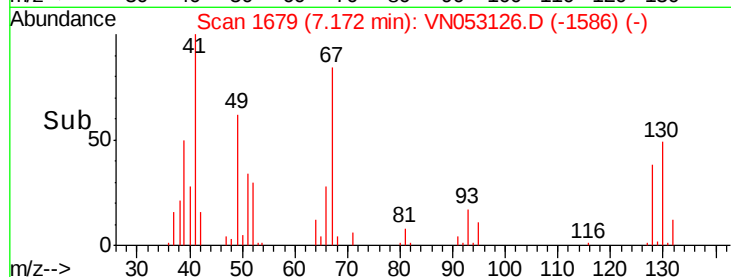
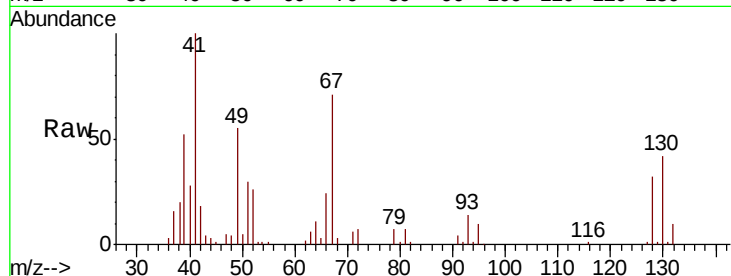




#41
Methacrylonitrile
Concen: 21.091 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

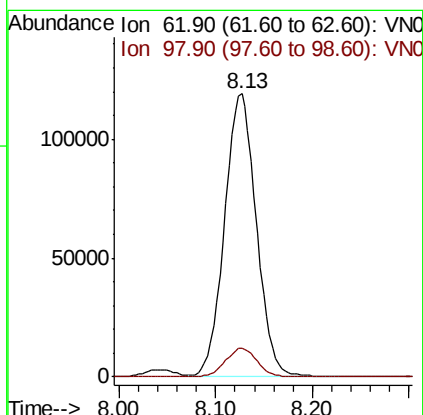
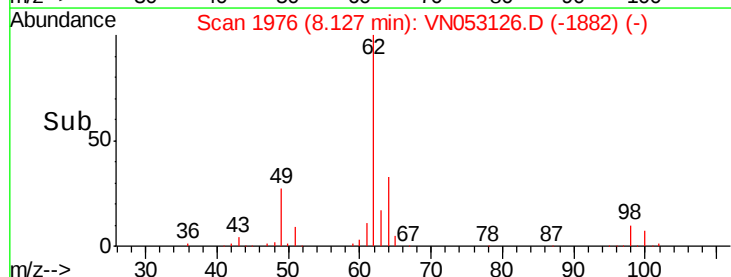
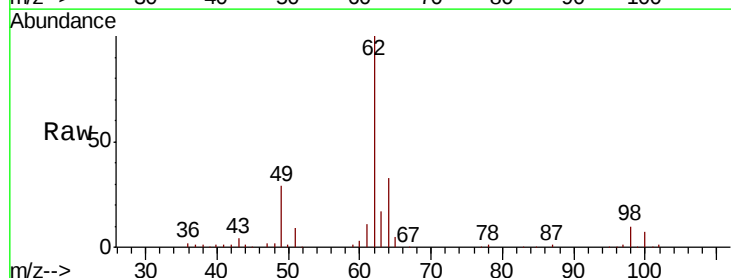
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

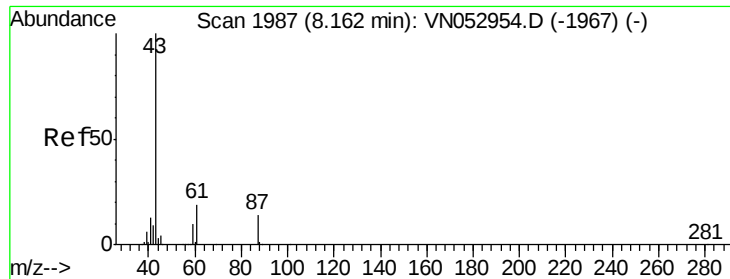
Tot Ion: 41 Resp: 106466
Ion Ratio Lower Upper
41 100
39 48.2 48.0 72.0
67 80.3 70.3 105.5
52 30.0 26.9 40.3



#42
1,2-Dichloroethane
Concen: 19.714 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion: 62 Resp: 271096
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.0





#43

Isopropyl Acetate

Concen: 18.418 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

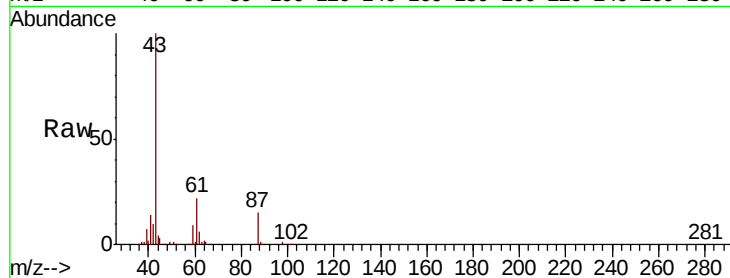
Tot Ion: 43 Resp: 322547

Ion Ratio Lower Upper

43 100

61 29.7 22.9 34.3

87 13.8 10.6 15.8

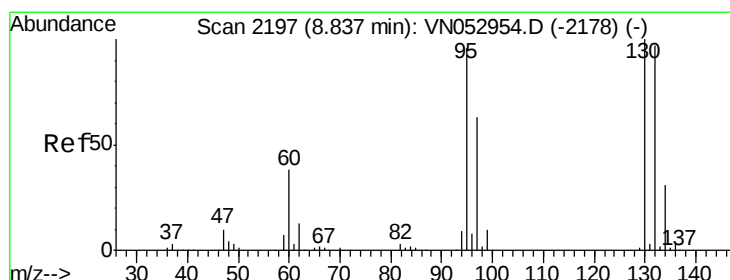
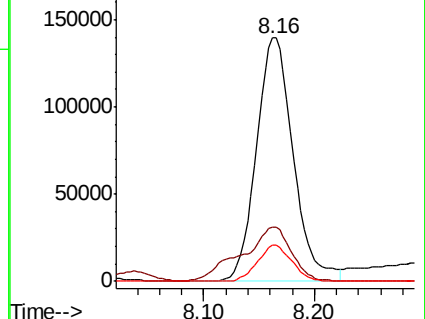
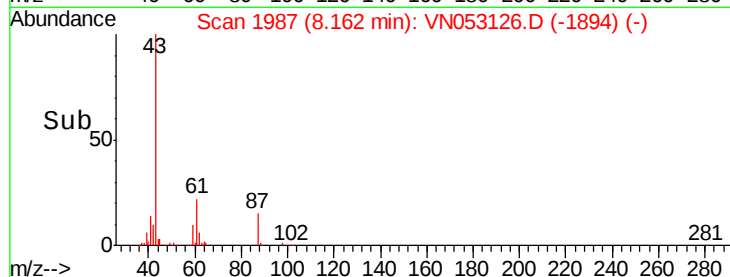


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 18.584 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053126.D

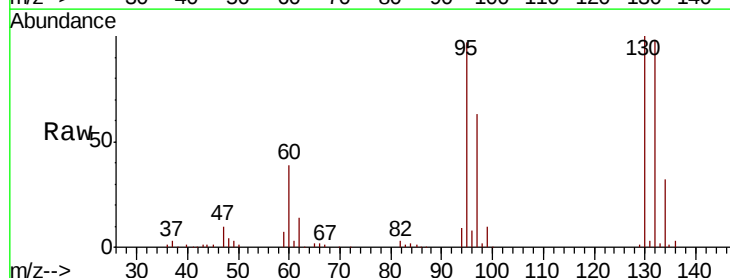
Acq: 22 Dec 2018 12:18

Tgt Ion:130 Resp: 250221

Ion Ratio Lower Upper

130 100

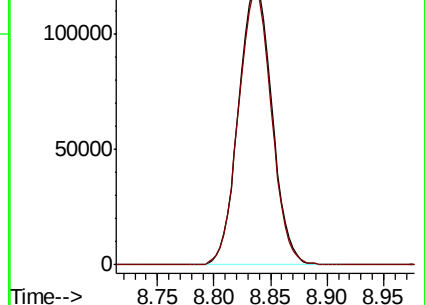
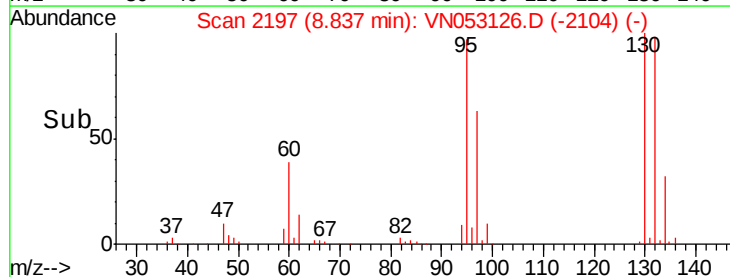
95 96.9 0.0 197.8

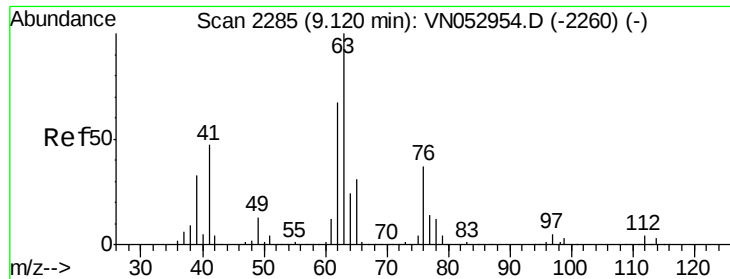


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 20.263 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampled :

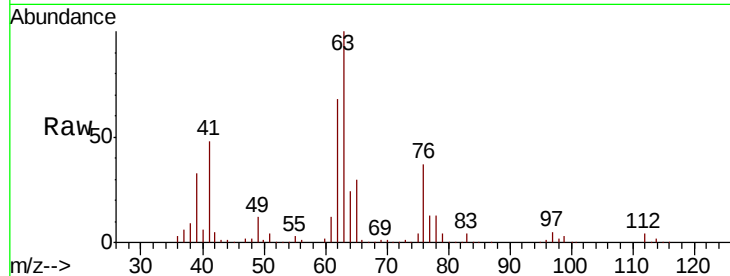
VN1222MBS01

Tot Ion: 63 Resp: 245688

Ion Ratio Lower Upper

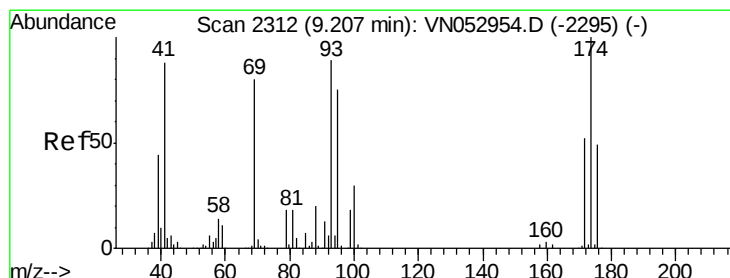
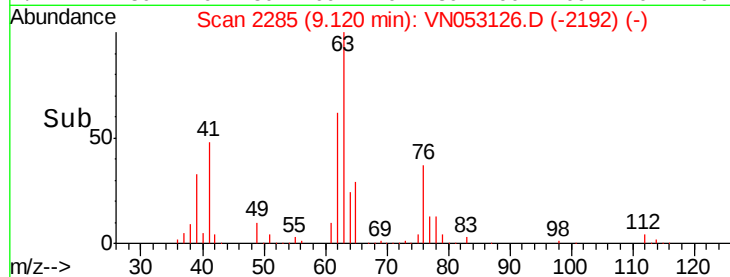
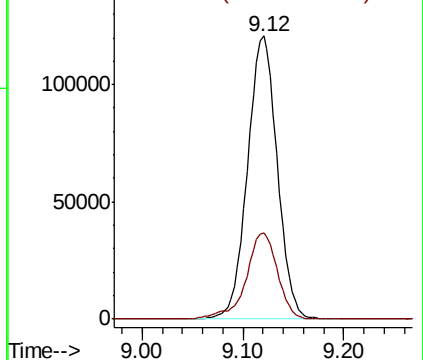
63 100

65 30.3 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: 19.308 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

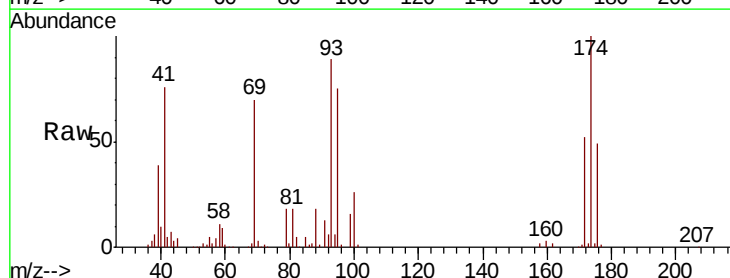
Tgt Ion: 93 Resp: 136376

Ion Ratio Lower Upper

93 100

95 84.4 67.8 101.6

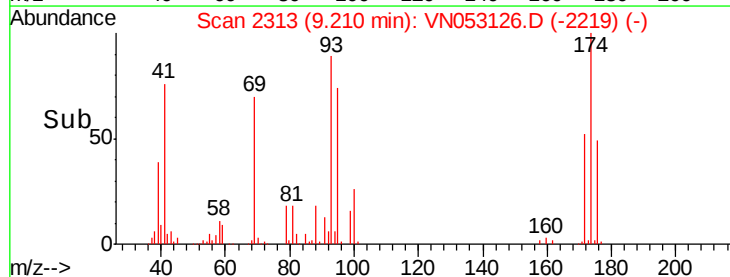
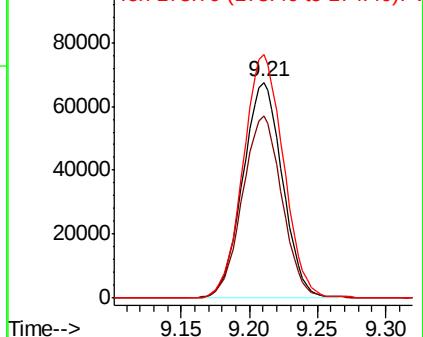
174 115.2 89.0 133.4

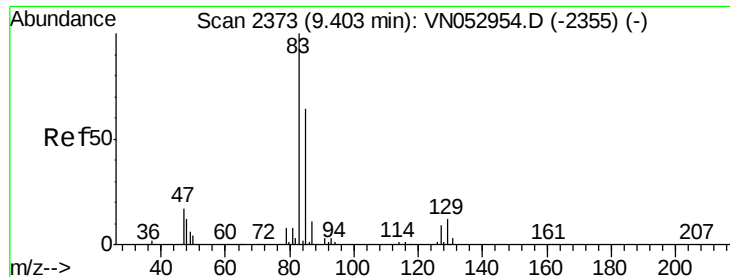


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

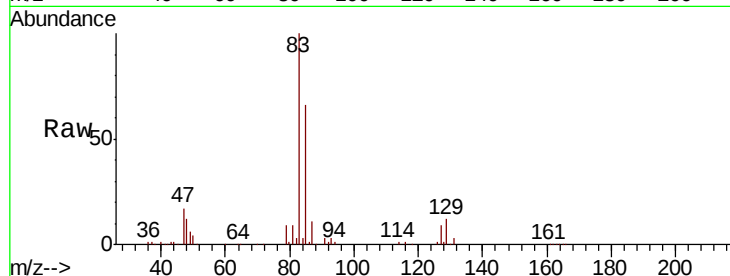




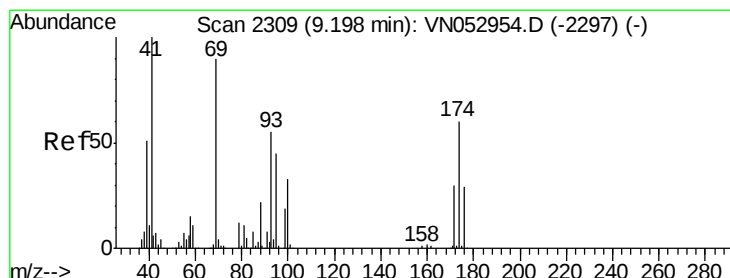
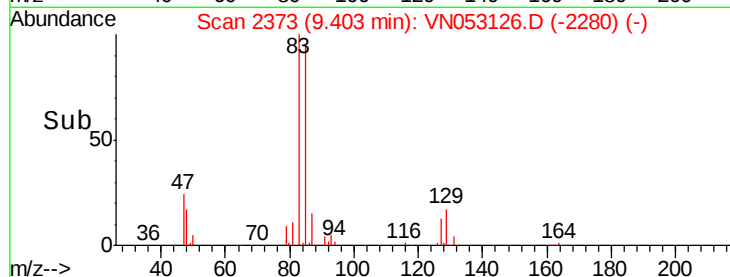
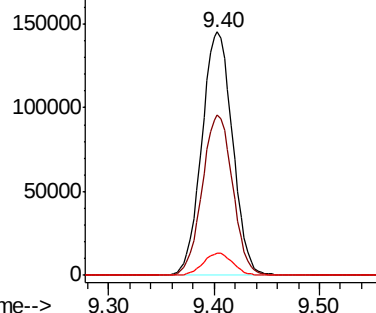
#47
Bromodichloromethane
Concen: 19.536 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Tot Ion: 83 Resp: 293328
Ion Ratio Lower Upper
83 100
85 65.7 51.6 77.4
127 9.1 7.1 10.7

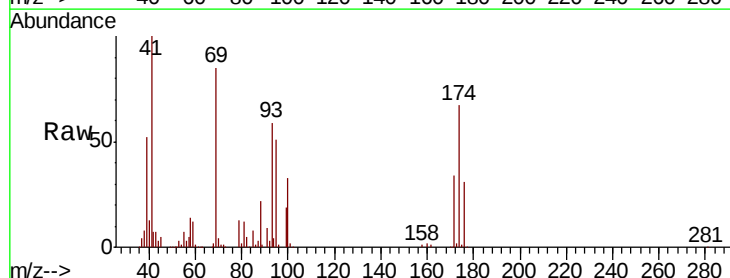


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

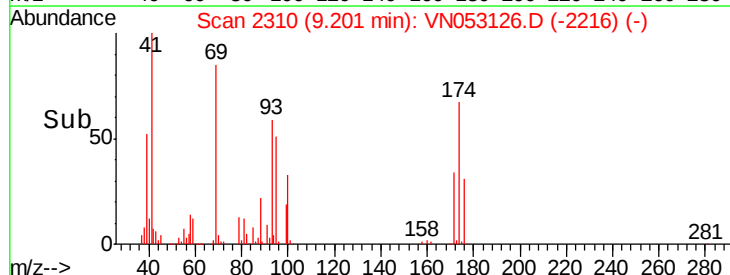
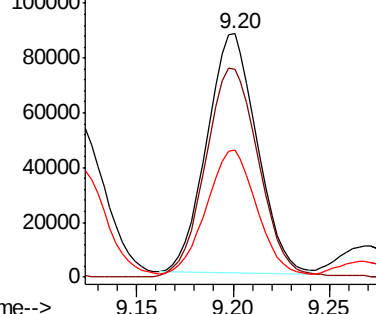


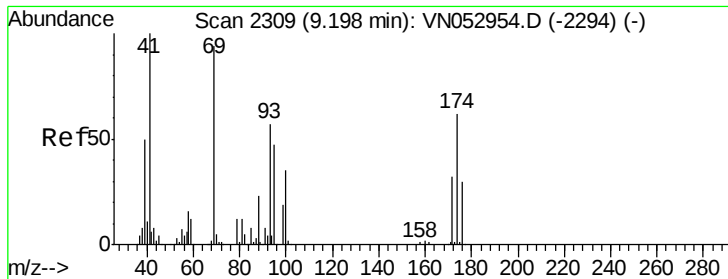
#48
Methyl methacrylate
Concen: 18.650 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion: 41 Resp: 158106
Ion Ratio Lower Upper
41 100
69 92.8 72.2 108.2
39 53.8 41.9 62.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 362.527 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

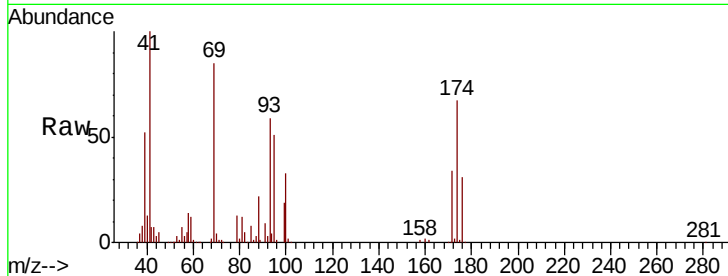
Tot Ion: 88 Resp: 38877

Ion Ratio Lower Upper

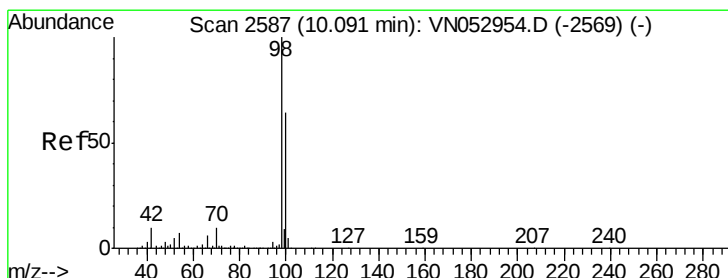
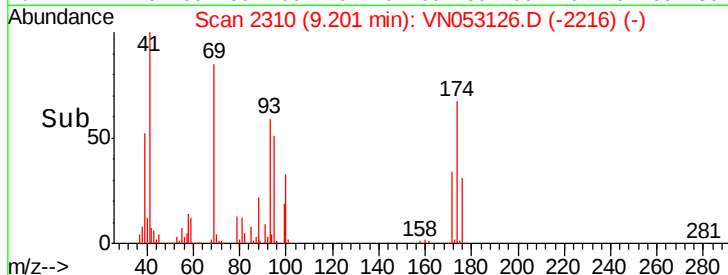
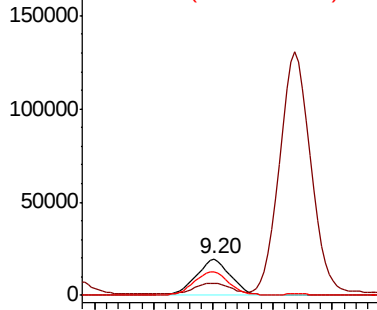
88 100

43 32.3 26.6 40.0

58 66.9 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 362.527 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053126.D

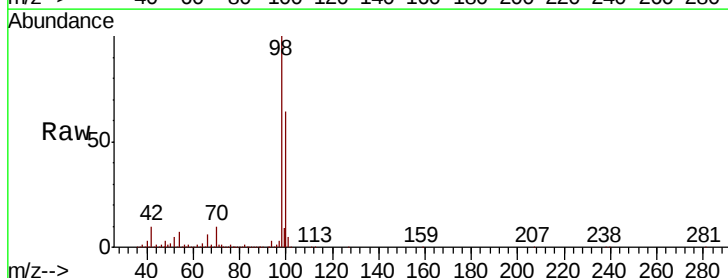
Acq: 22 Dec 2018 12:18

Tgt Ion: 98 Resp: 1708580

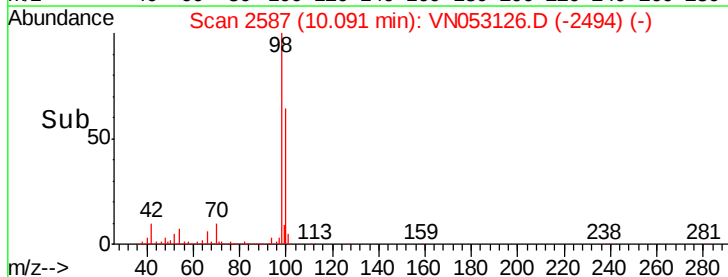
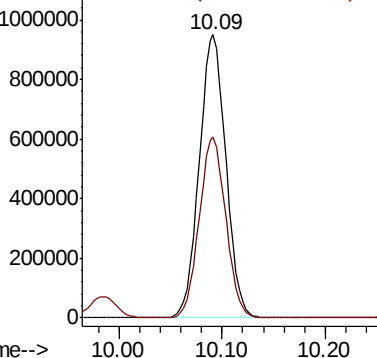
Ion Ratio Lower Upper

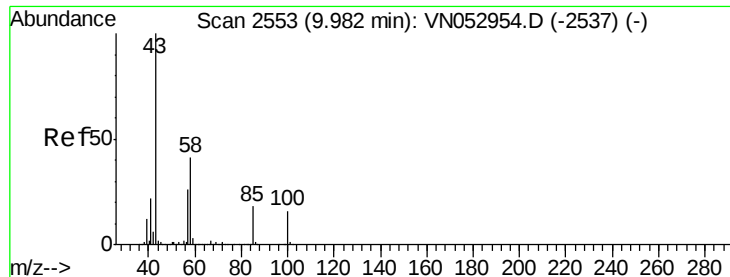
98 100

100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

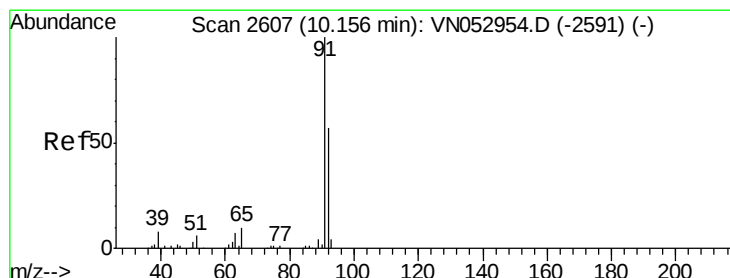
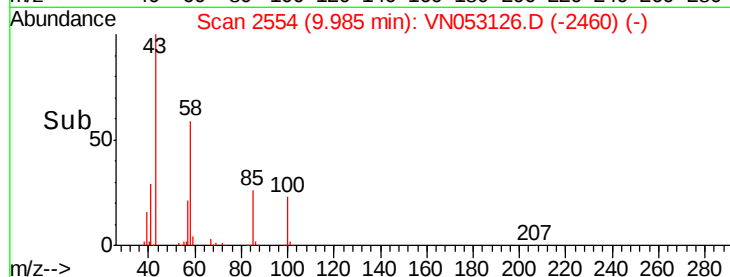
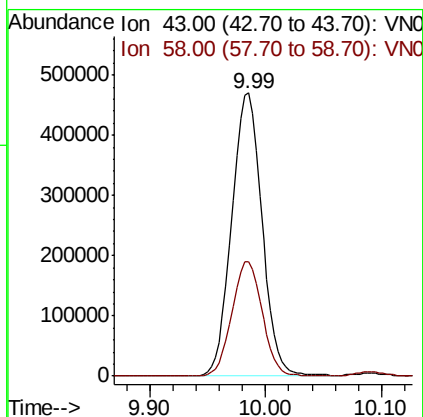
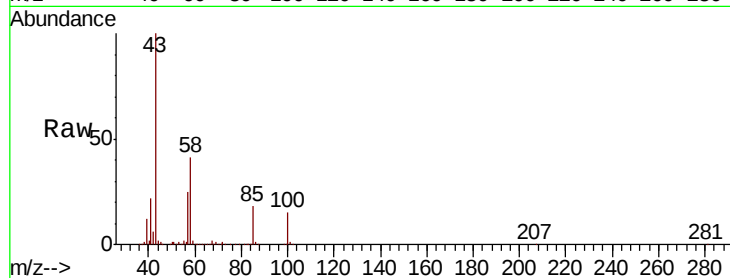




#51
 4-Methyl-2-Pentanone
 Concen: 100.056 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

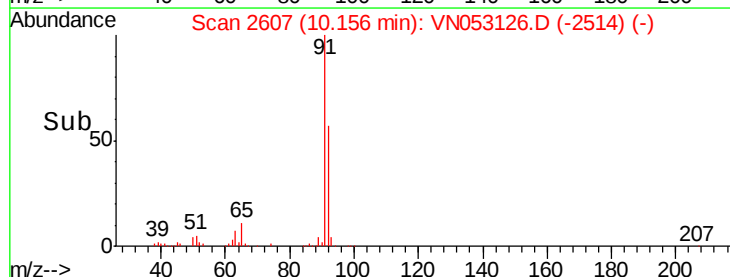
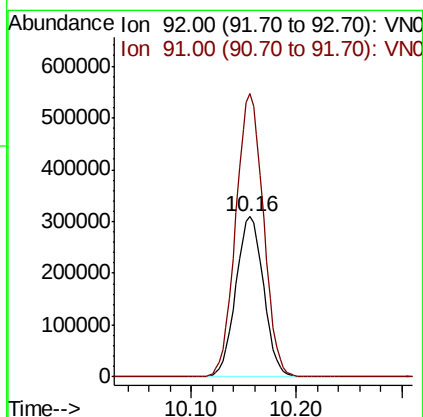
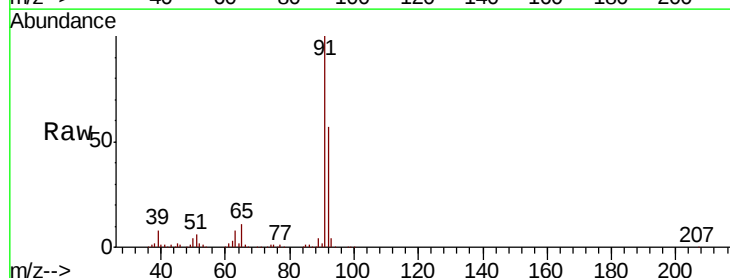
Instrument :
 MSVOA_N
 ClientSampled :
 VN1222MBS01

Tot Ion: 43 Resp: 846536
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.2 48.4



#52
 Toluene
 Concen: 19.508 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion: 92 Resp: 562868
 Ion Ratio Lower Upper
 92 100
 91 176.6 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.147 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

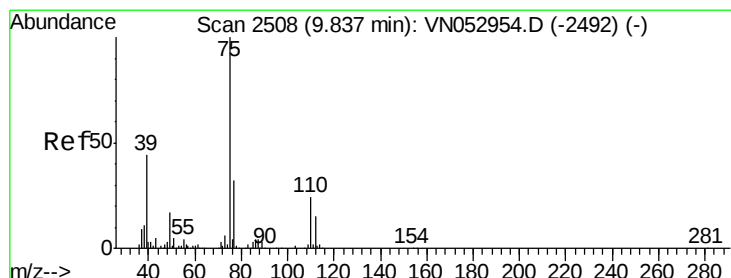
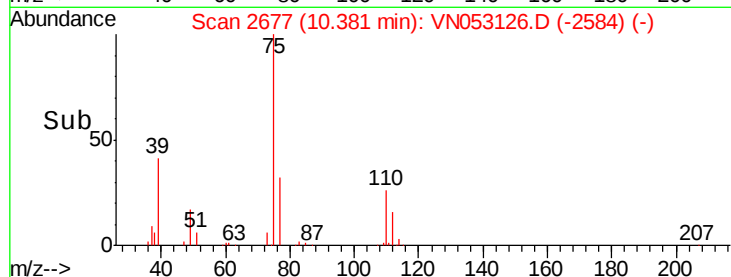
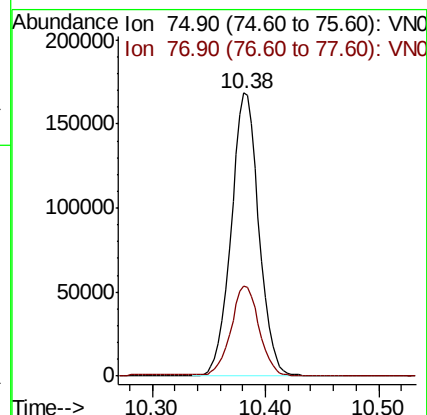
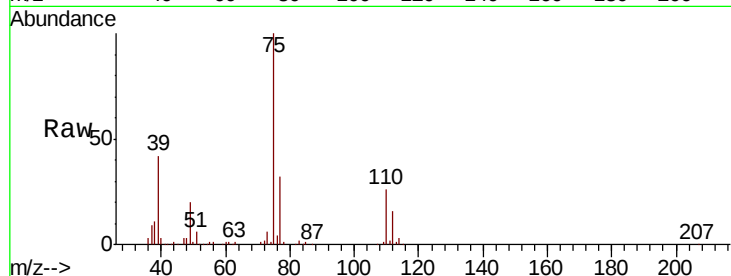
VN1222MBS01

Tot Ion: 75 Resp: 286515

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 19.246 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

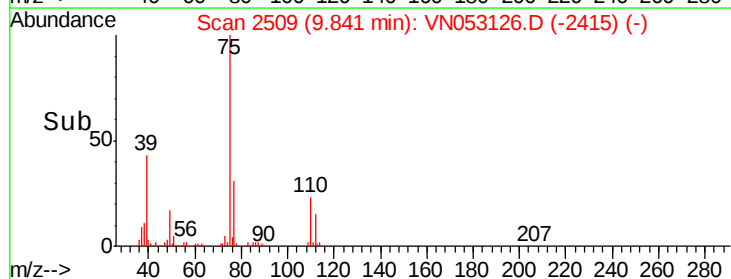
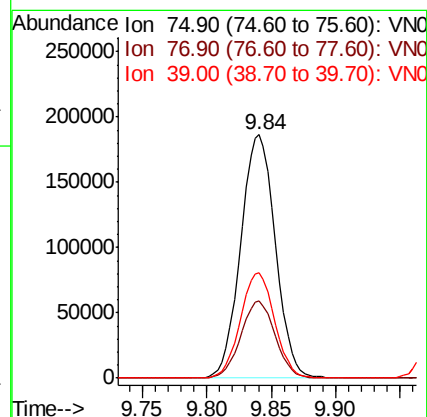
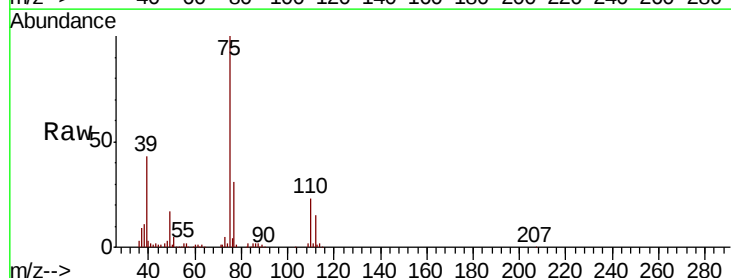
Tgt Ion: 75 Resp: 348779

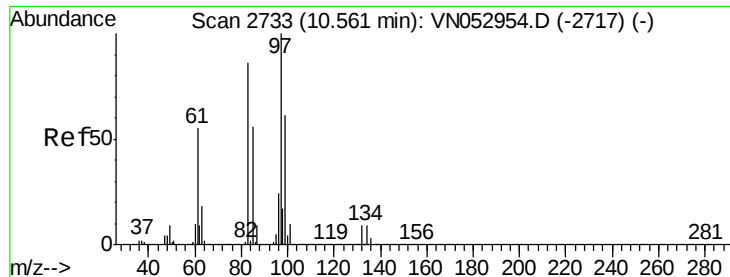
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

39 43.3 34.8 52.2

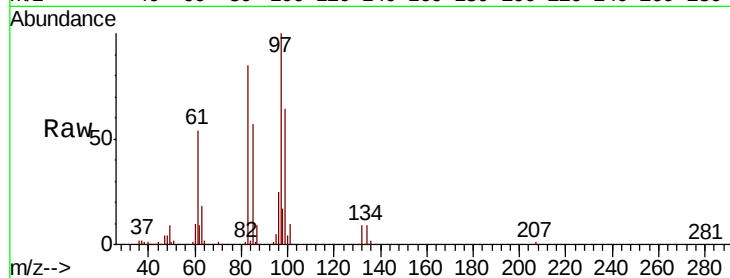




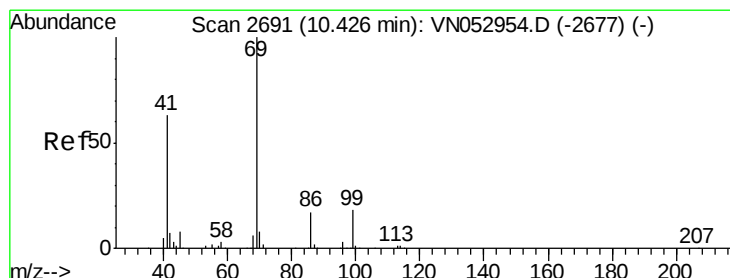
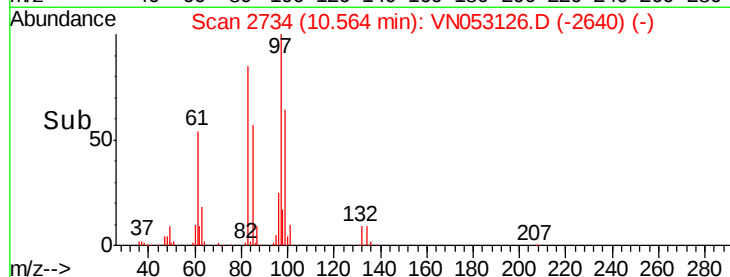
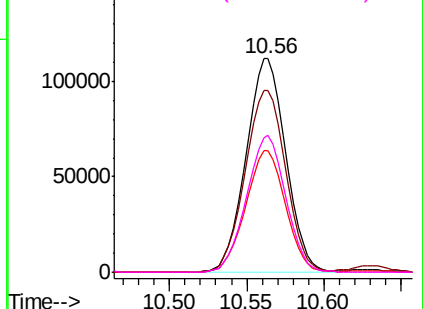
#55
 1,1,2-Trichloroethane
 Concen: 19.887 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS01

Tot Ion:	97	Resp:	200177
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.9	106.3
85	56.7	45.4	68.2
99	63.9	50.4	75.6

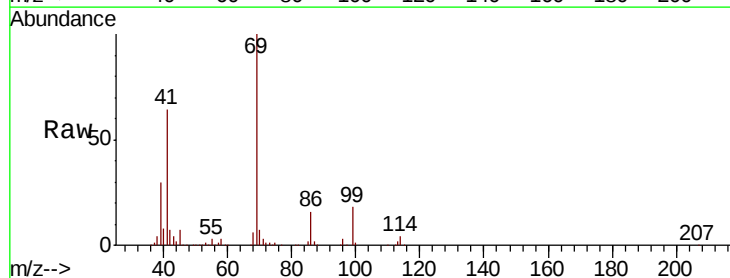


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

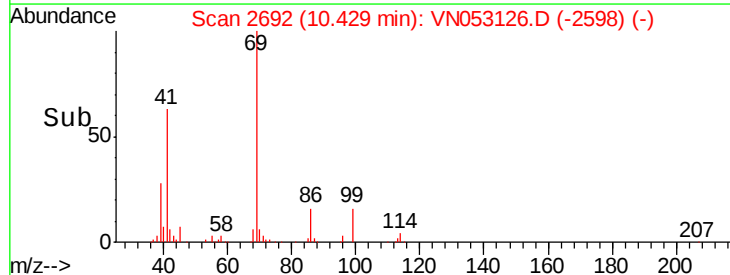
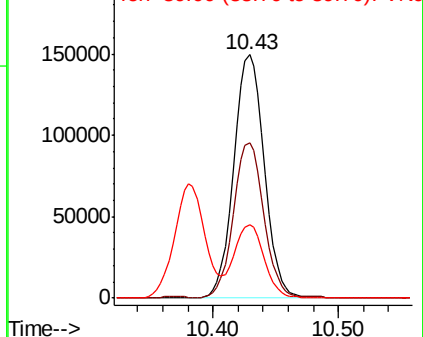


#56
 Ethyl methacrylate
 Concen: 19.008 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion:	69	Resp:	253249
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.7	77.5
39	29.4	24.6	37.0



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.900 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

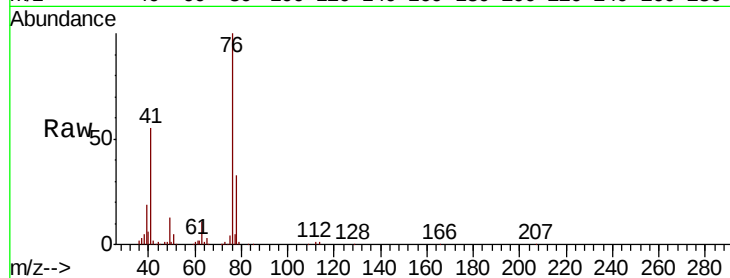
VN1222MBS01

Tot Ion: 76 Resp: 343508

Ion Ratio Lower Upper

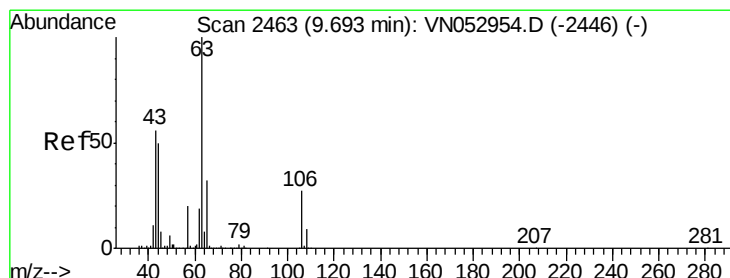
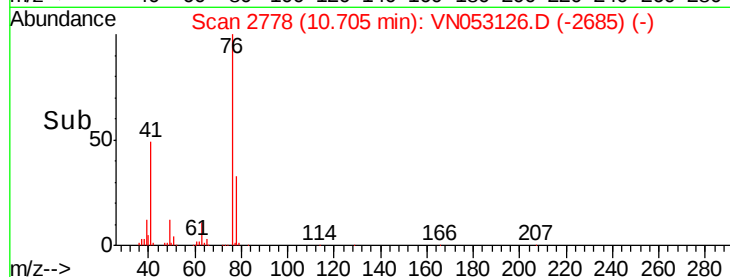
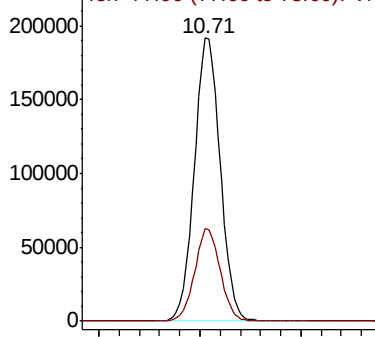
76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 99.983 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053126.D

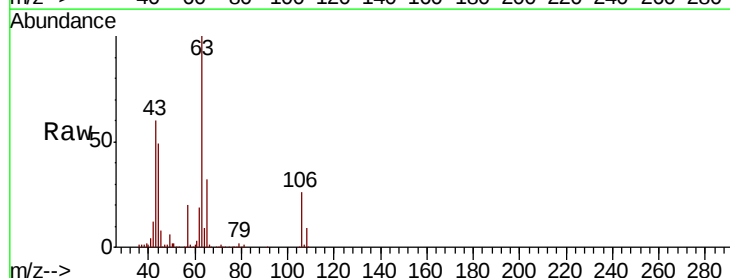
Acq: 22 Dec 2018 12:18

Tgt Ion: 63 Resp: 731322

Ion Ratio Lower Upper

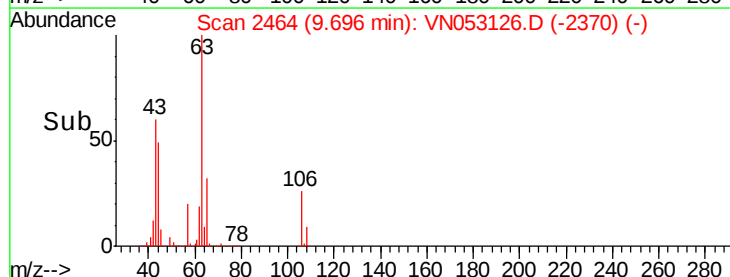
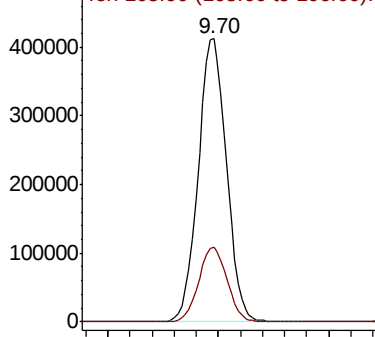
63 100

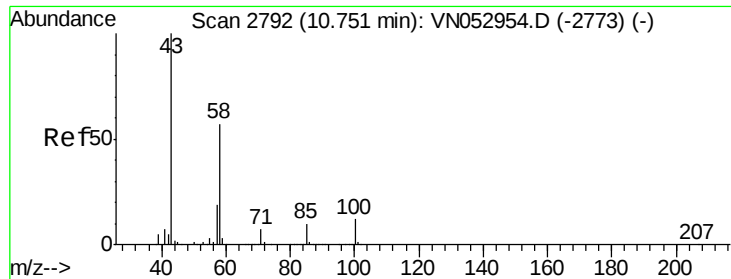
106 26.6 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

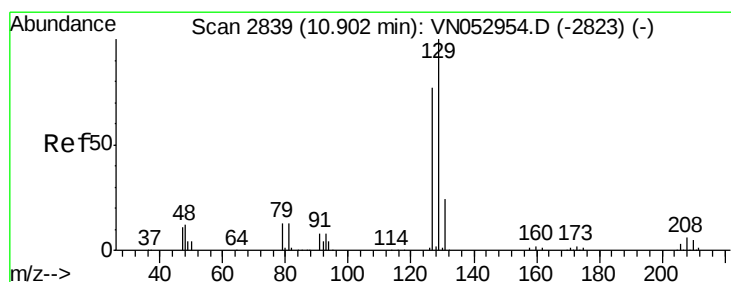
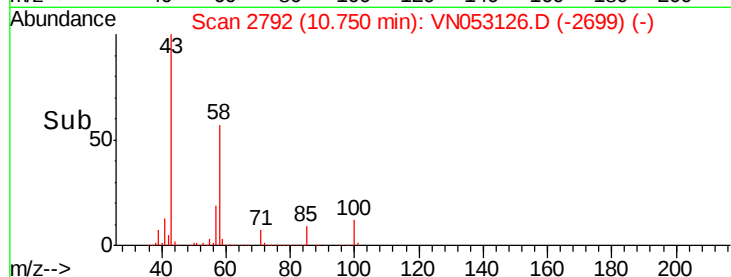
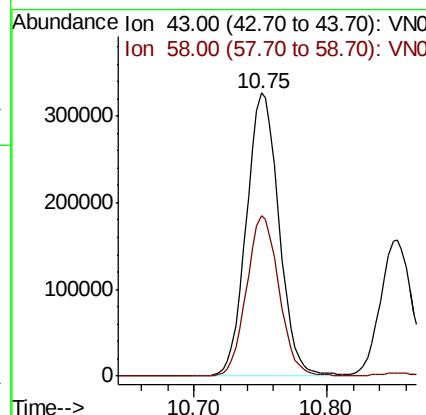
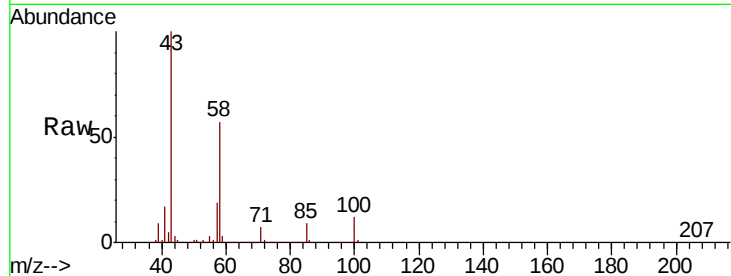




#59
2-Hexanone
Concen: 97.127 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

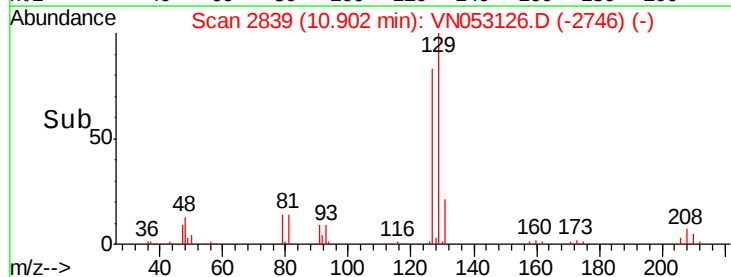
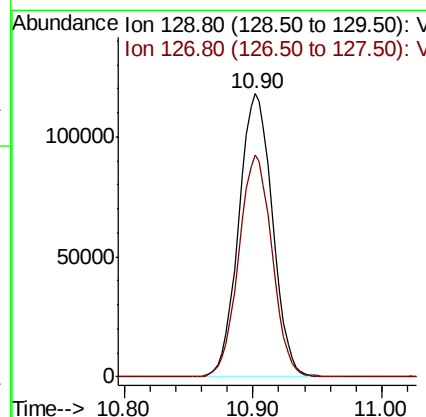
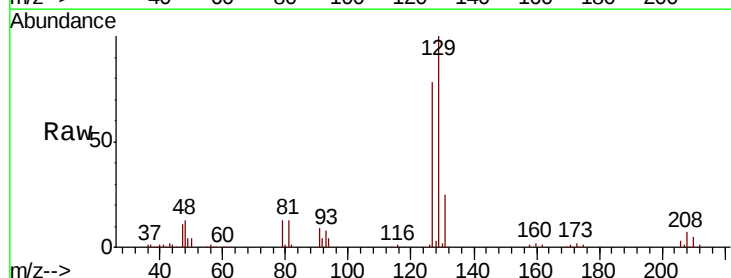
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

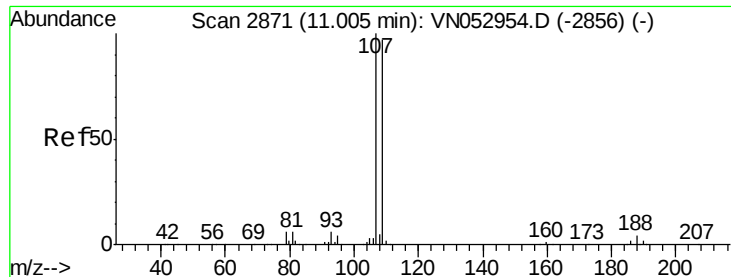
Tot Ion: 43 Resp: 555984
Ion Ratio Lower Upper
43 100
58 56.8 28.1 84.3



#60
Dibromochloromethane
Concen: 18.574 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion: 129 Resp: 214012
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0

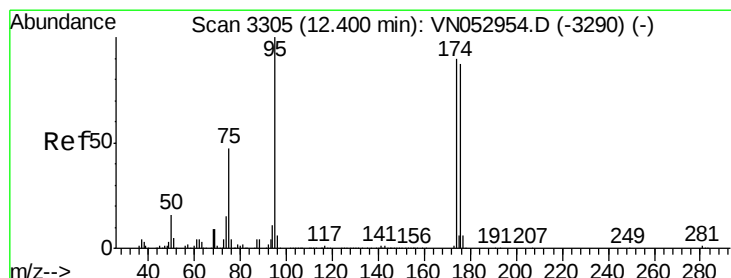
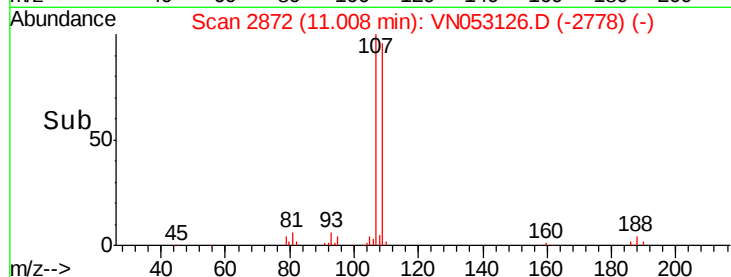
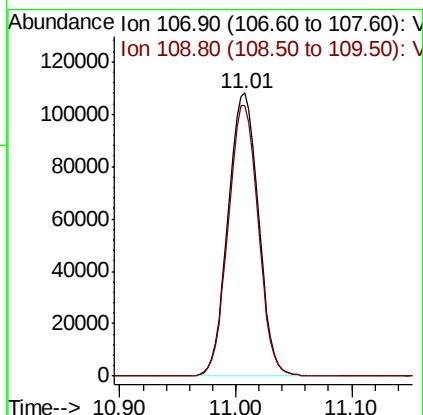
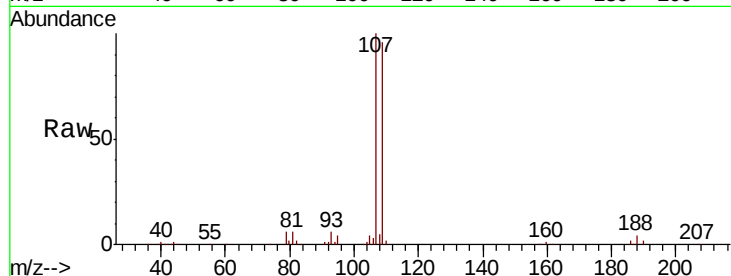




#61
1,2-Dibromoethane
Concen: 19.158 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

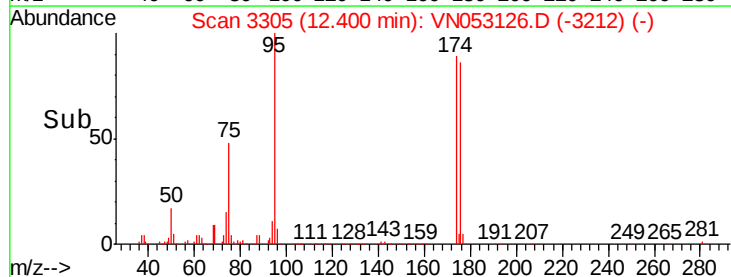
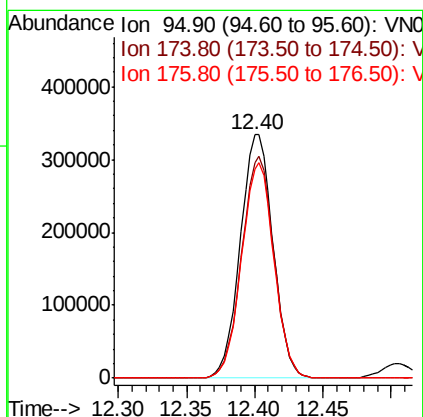
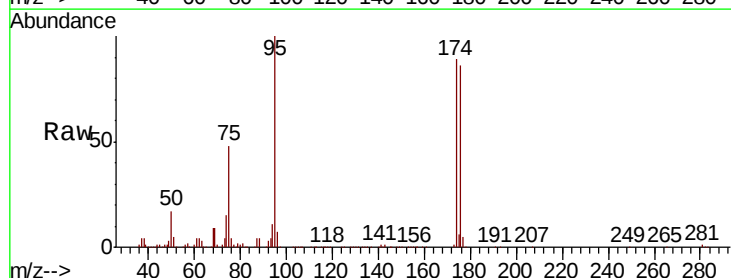
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

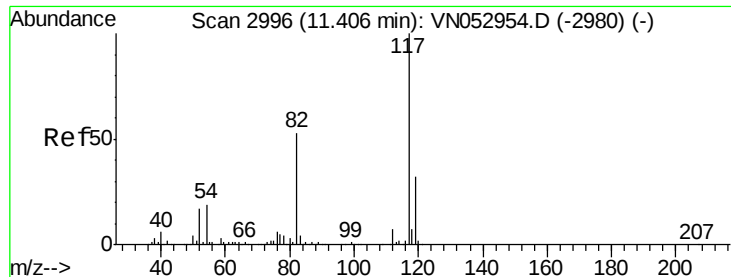
Tot Ion: 107 Resp: 195852
Ion Ratio Lower Upper
107 100
109 94.2 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 19.158 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion: 95 Resp: 555981
Ion Ratio Lower Upper
95 100
174 90.0 0.0 178.8
176 87.5 0.0 173.8

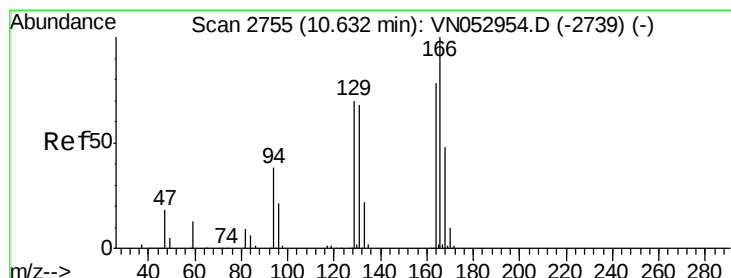
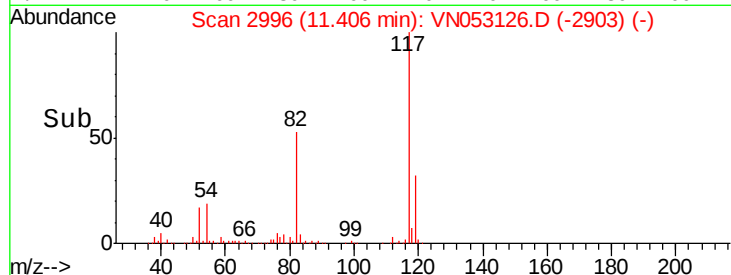
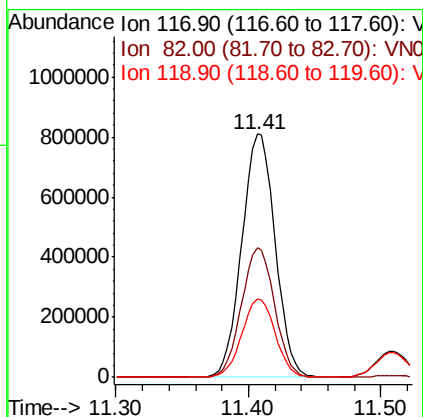
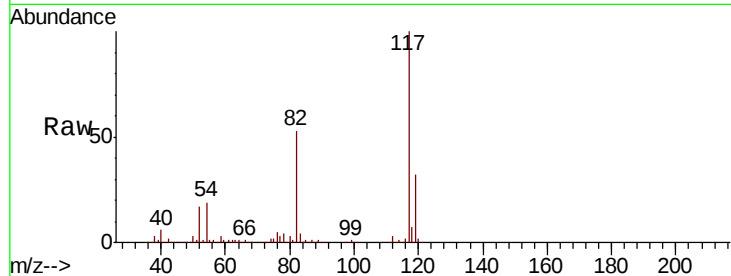




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

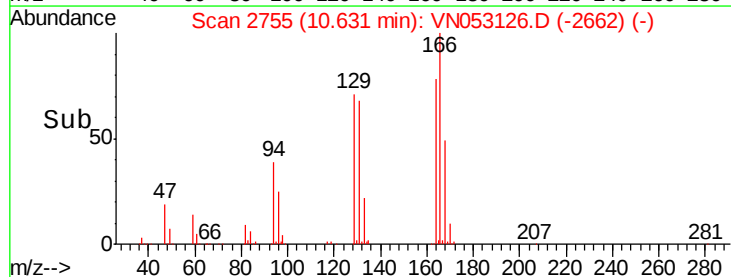
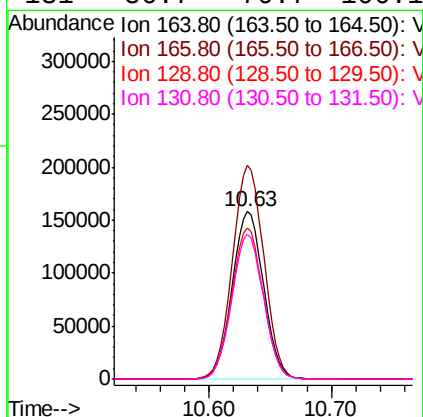
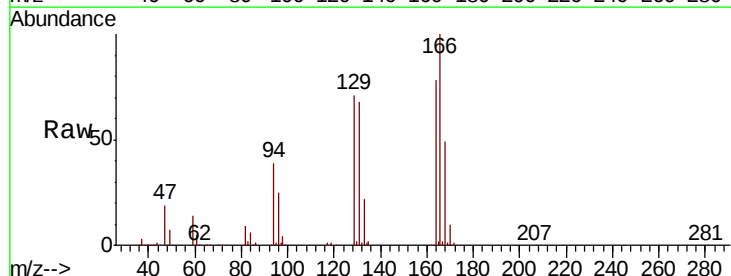
Instrument :
MSVOA_N
ClientSampled :
VN1222MBS01

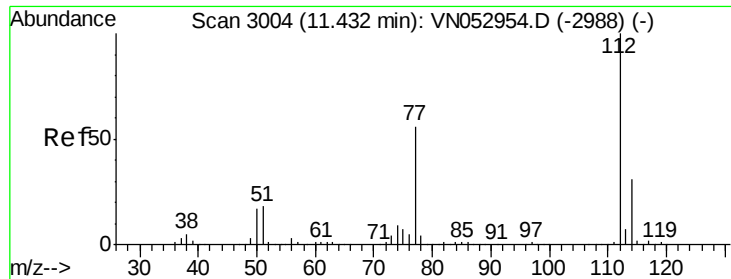
Tot Ion:117 Resp: 1415918
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 18.370 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion:164 Resp: 281753
Ion Ratio Lower Upper
164 100
166 127.7 102.9 154.3
129 90.3 73.7 110.5
131 86.7 70.7 106.1

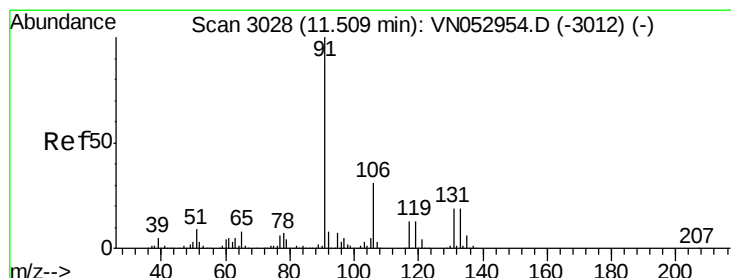
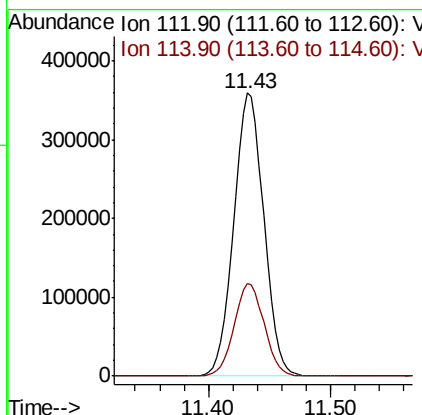
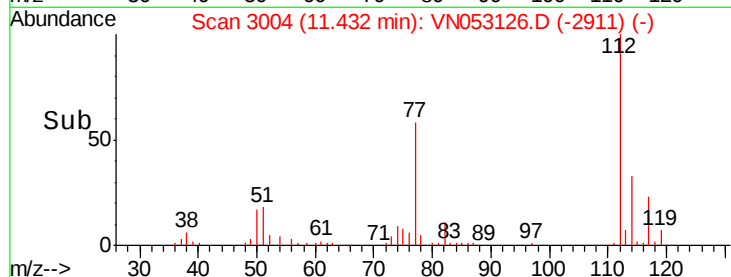
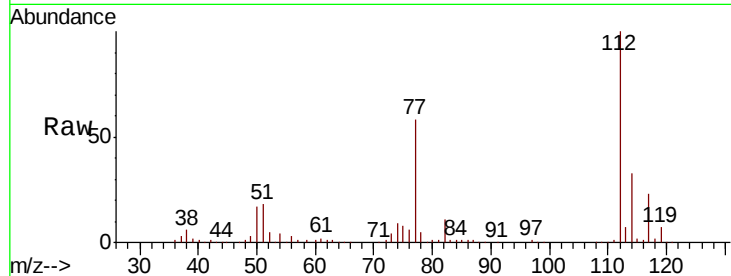




#65
Chlorobenzene
Concen: 19.510 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

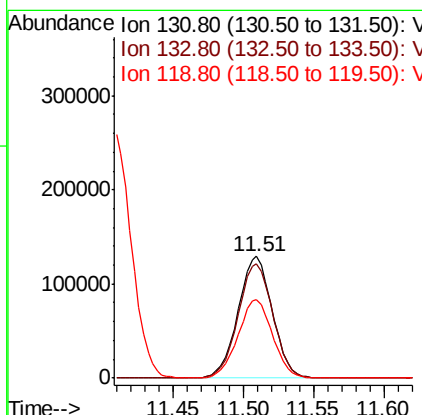
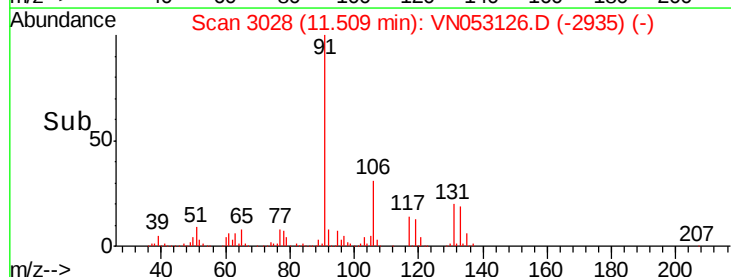
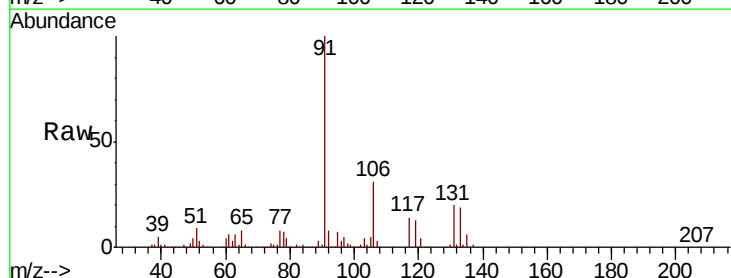
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

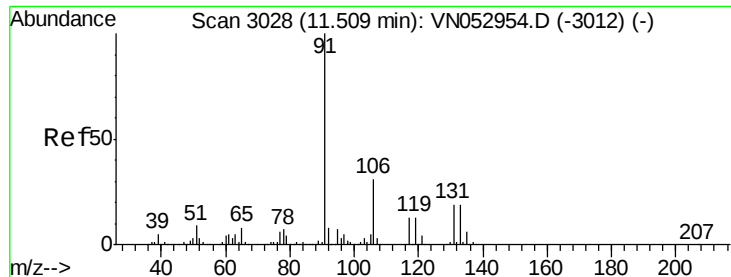
Tot Ion:112 Resp: 612367
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.153 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion:131 Resp: 219963
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.9
119 65.2 33.3 99.8

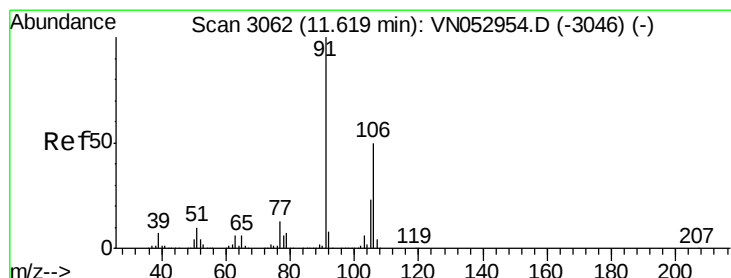
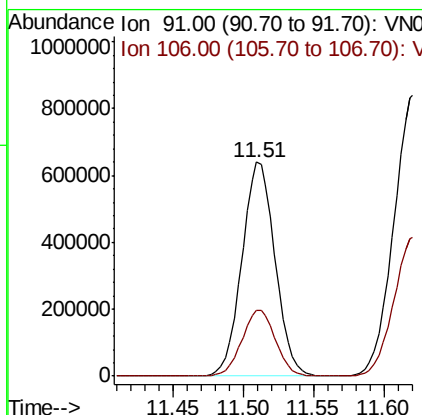
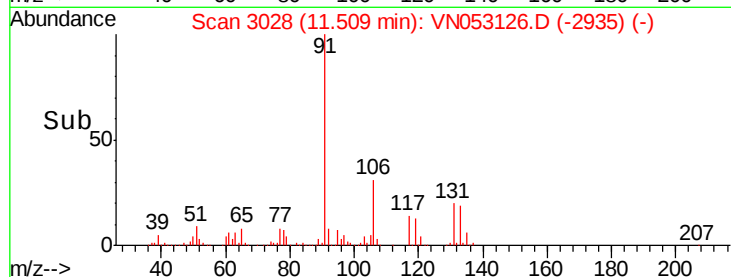
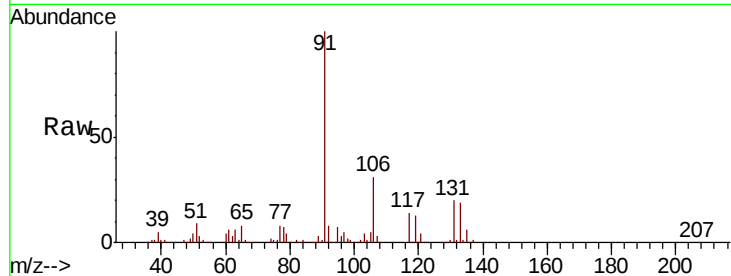




#67
Ethyl Benzene
Concen: 19.521 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

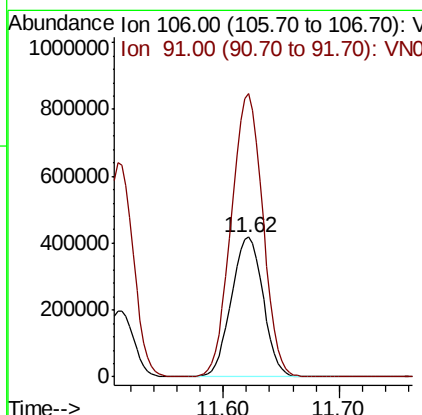
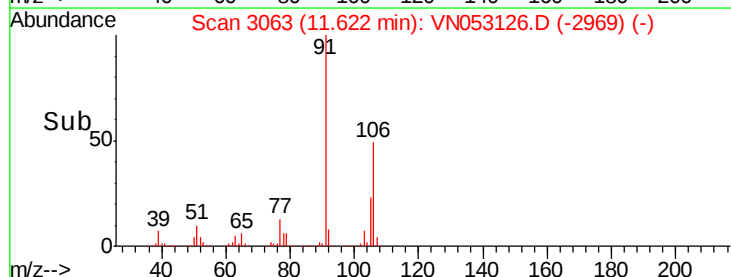
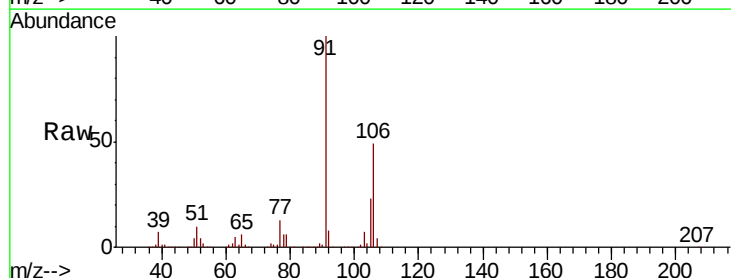
Instrument :
MSVOA_N
ClientSampled :
VN1222MBS01

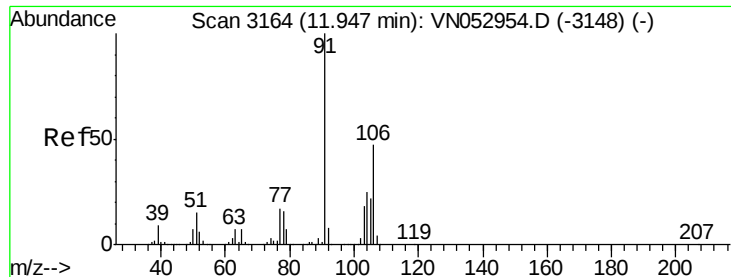
Tot Ion: 91 Resp: 1053707
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3



#68
m/p-Xylenes
Concen: 38.657 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion: 106 Resp: 793242
Ion Ratio Lower Upper
106 100
91 200.8 162.2 243.4

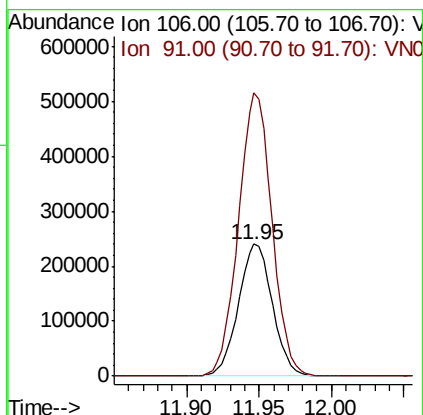
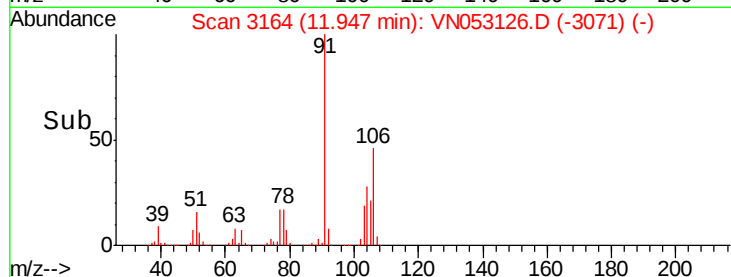
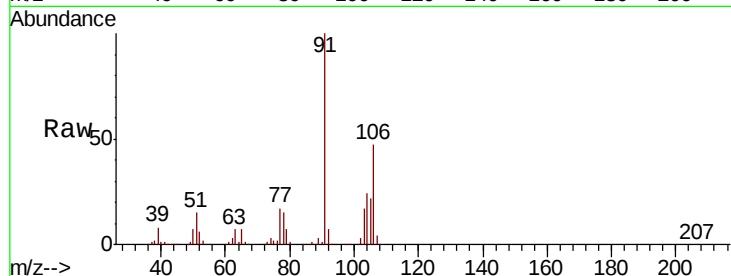




#69
o-Xylene
Concen: 19.785 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

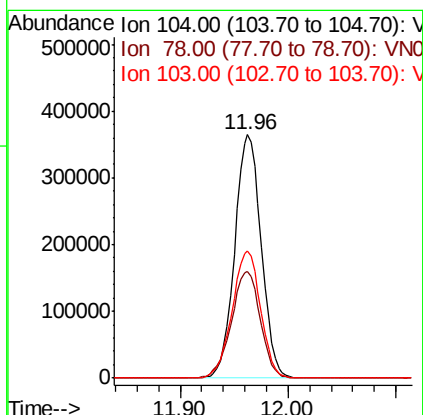
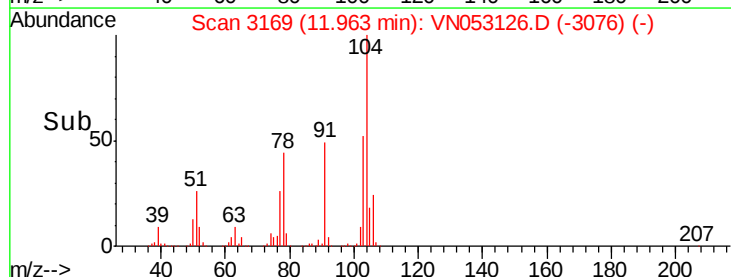
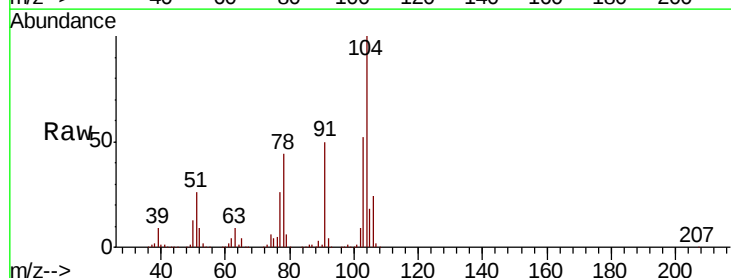
Instrument :
MSVOA_N
ClientSampled :
VN1222MBS01

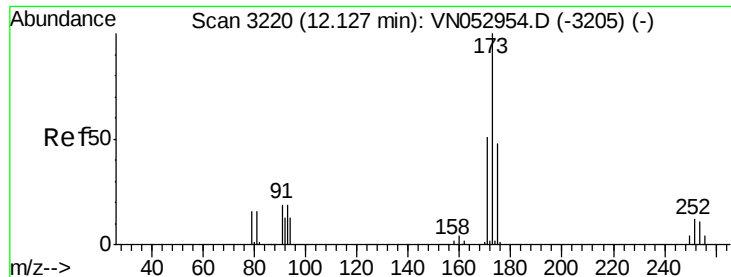
Tot Ion:106 Resp: 389573
Ion Ratio Lower Upper
106 100
91 212.4 106.6 319.8



#70
Styrene
Concen: 19.394 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion:104 Resp: 622677
Ion Ratio Lower Upper
104 100
78 48.0 38.9 58.3
103 56.2 44.3 66.5

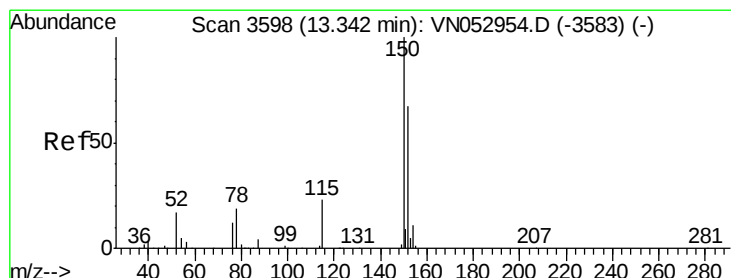
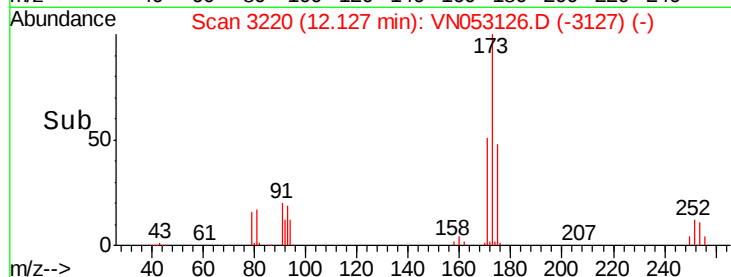
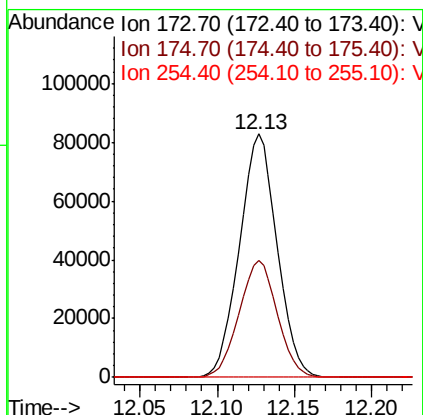
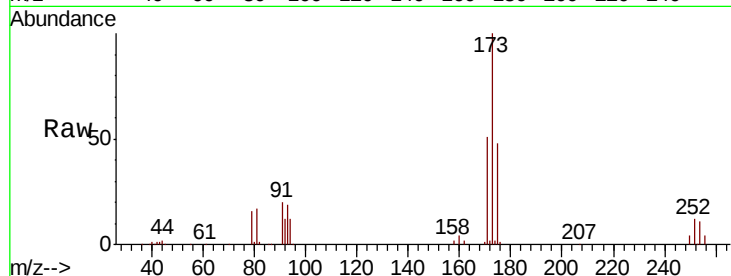




#71
Bromoform
Concen: 17.788 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

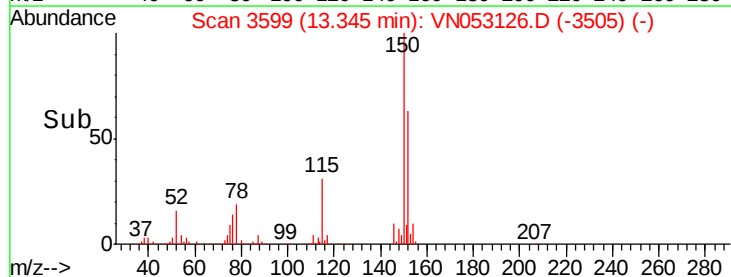
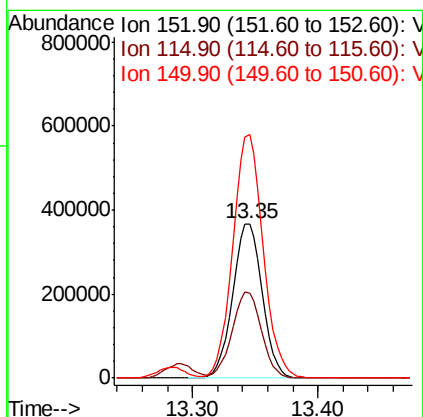
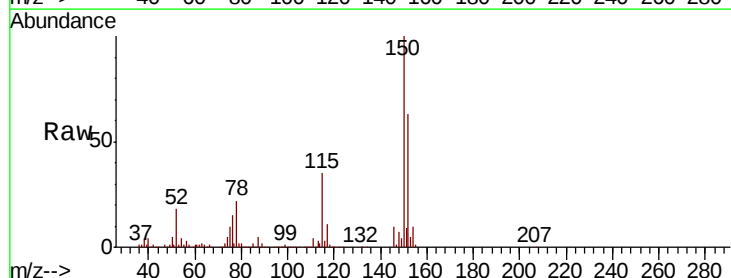
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

Tot Ion:173 Resp: 140260
Ion Ratio Lower Upper
173 100
175 48.6 24.3 72.9
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion:152 Resp: 598476
Ion Ratio Lower Upper
152 100
115 55.4 28.3 85.0
150 162.7 0.0 347.8





#73

Isopropylbenzene

Concen: 21.736 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

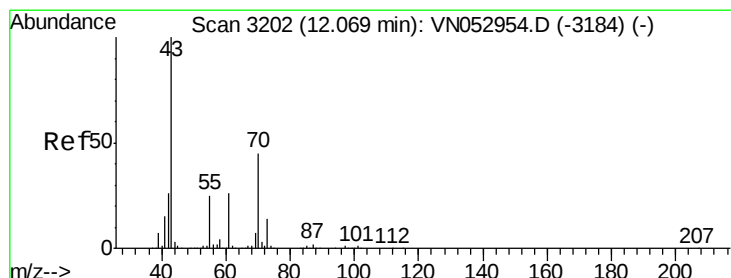
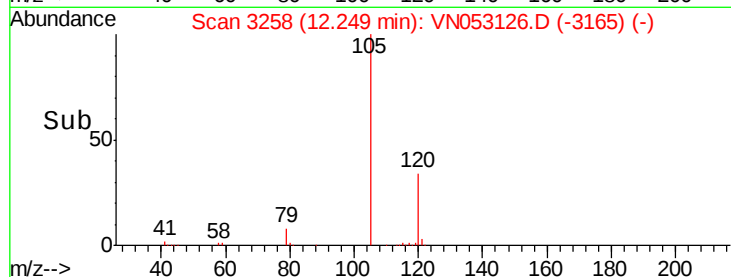
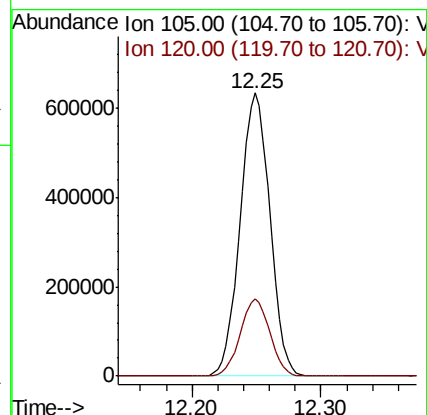
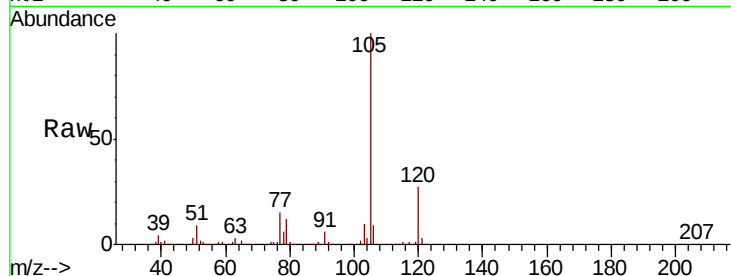
VN1222MBS01

Tot Ion:105 Resp: 1017814

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.9



#74

N-ethyl acetate

Concen: 20.019 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Tgt Ion: 43 Resp: 260251

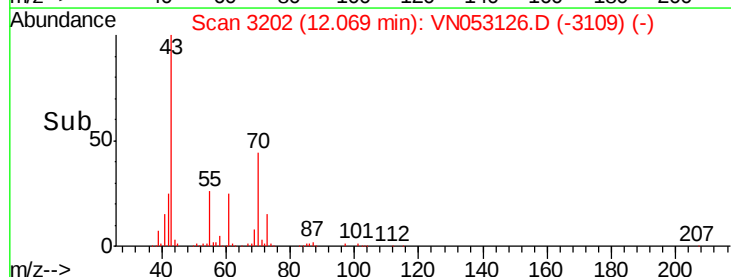
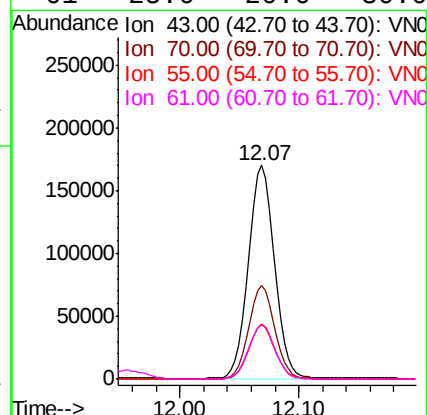
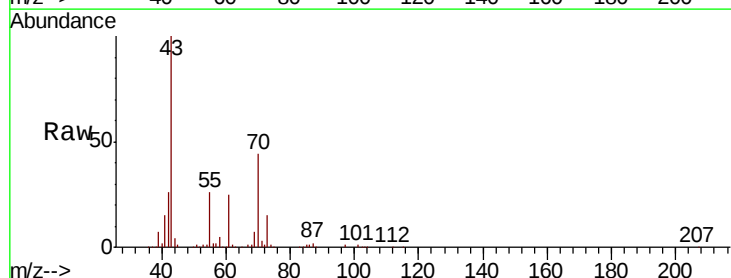
Ion Ratio Lower Upper

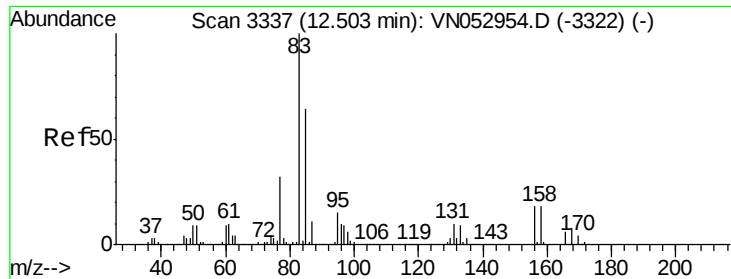
43 100

70 43.6 34.2 51.4

55 25.6 20.3 30.5

61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.048 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

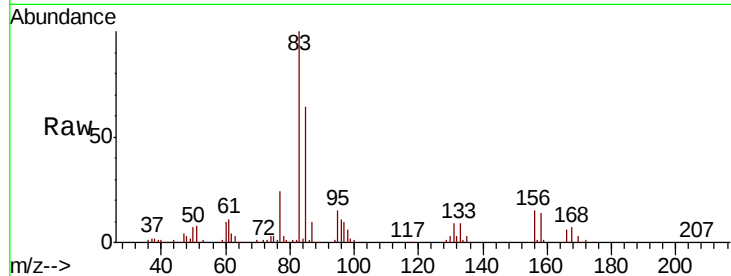
Tot Ion: 83 Resp: 211730

Ion Ratio Lower Upper

83 100

131 9.9 5.2 15.6

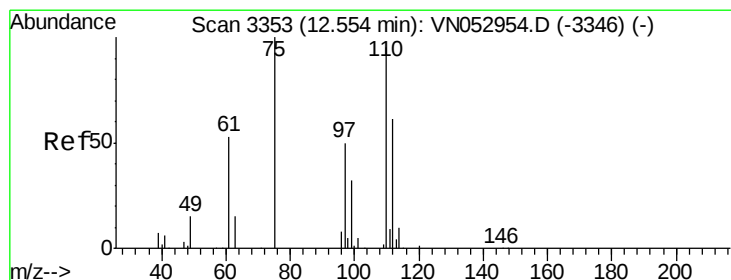
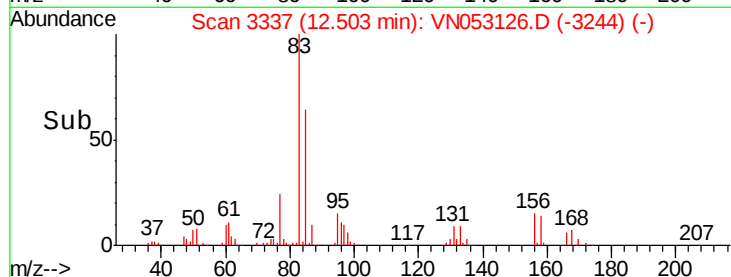
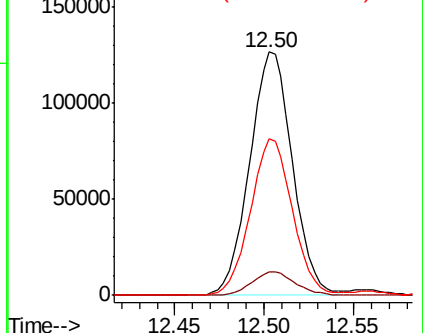
85 63.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.377 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053126.D

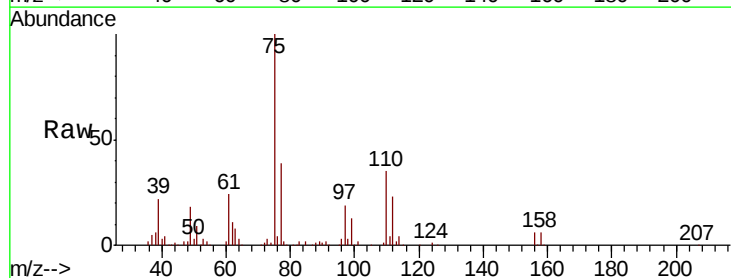
Acq: 22 Dec 2018 12:18

Tgt Ion: 75 Resp: 275817

Ion Ratio Lower Upper

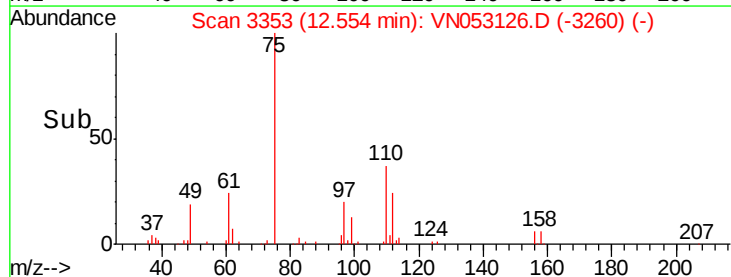
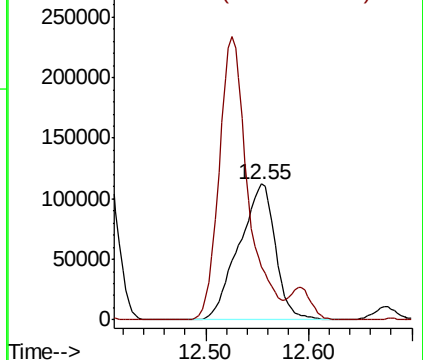
75 100

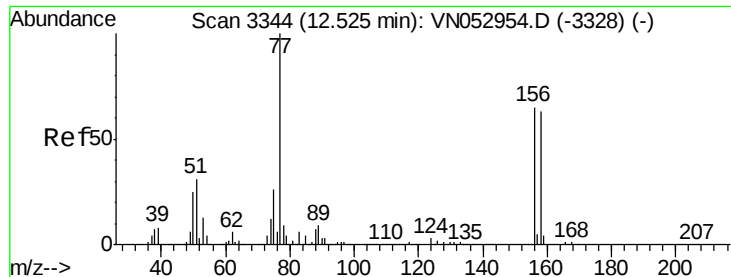
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.953 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

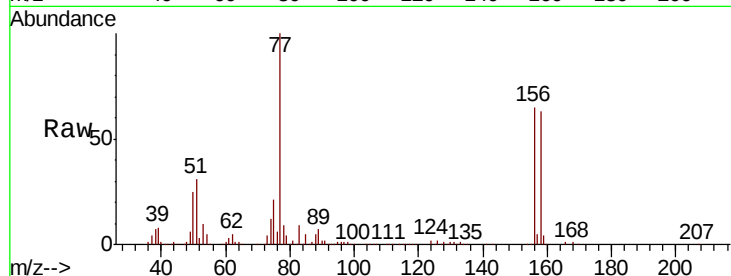
Tot Ion:156 Resp: 255041

Ion Ratio Lower Upper

156 100

77 178.9 91.3 273.8

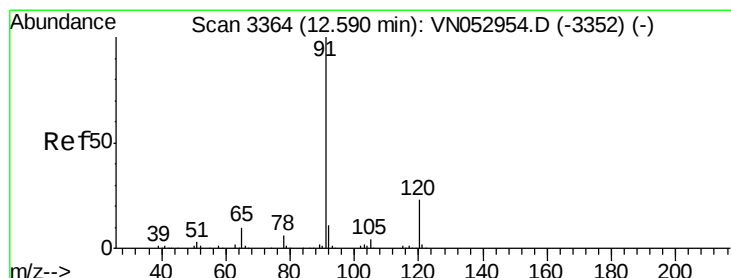
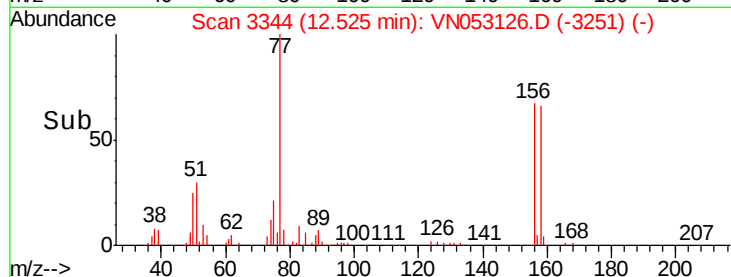
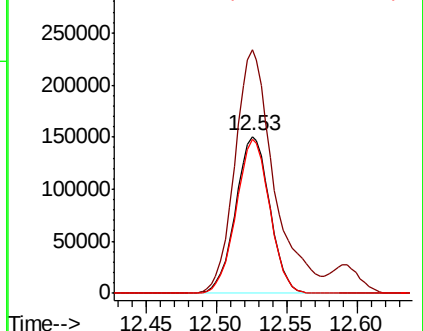
158 96.9 49.0 147.2



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: 20.909 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053126.D

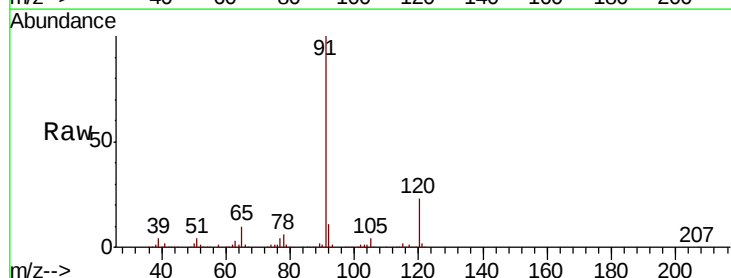
Acq: 22 Dec 2018 12:18

Tgt Ion: 91 Resp: 1115103

Ion Ratio Lower Upper

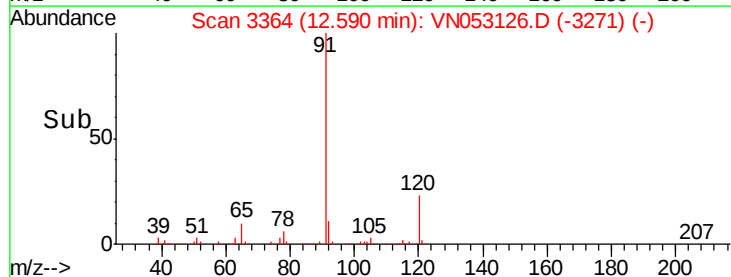
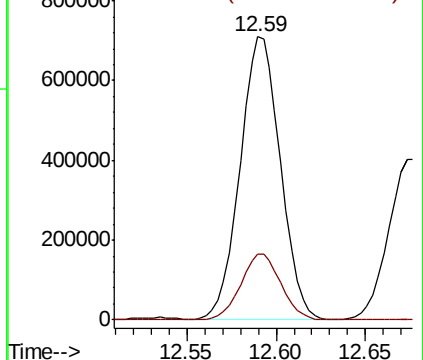
91 100

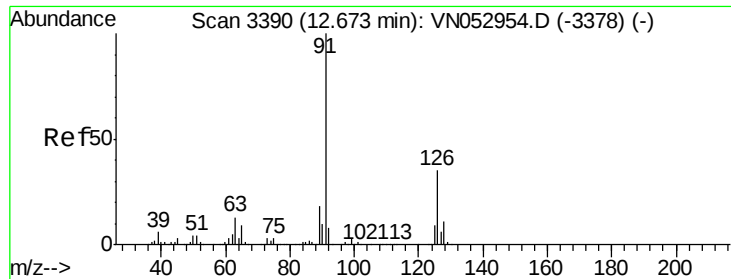
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.067 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

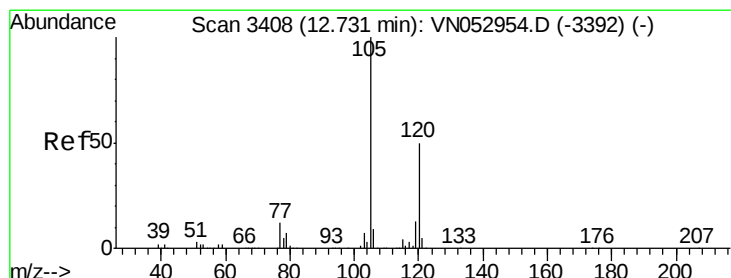
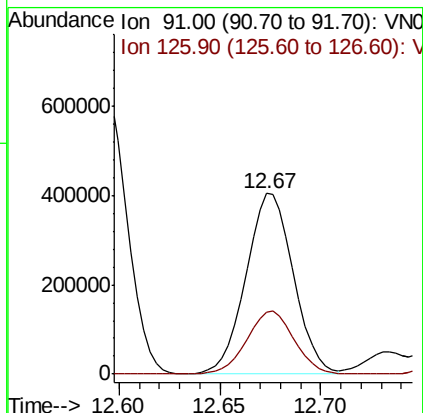
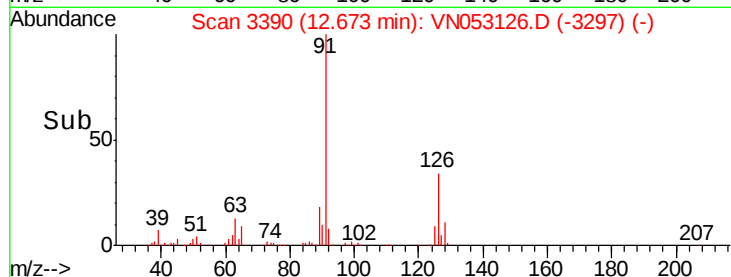
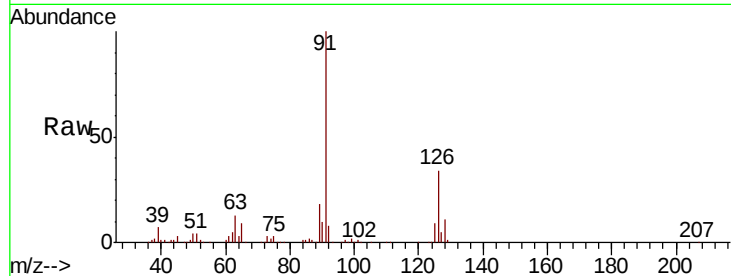
VN1222MBS01

Tot Ion: 91 Resp: 663361

Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 20.432 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053126.D

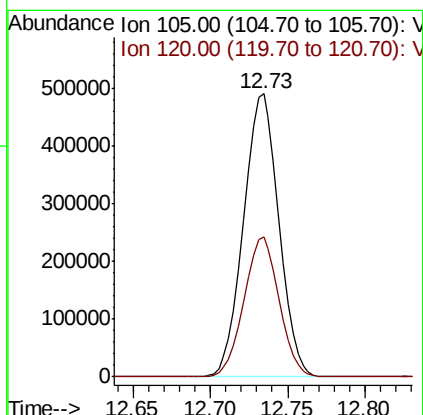
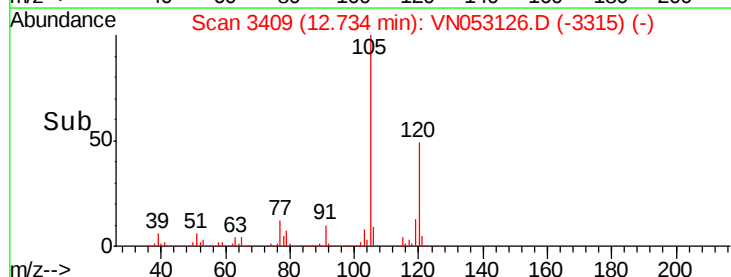
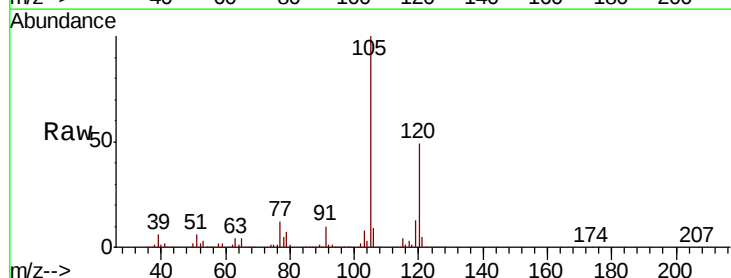
Acq: 22 Dec 2018 12:18

Tgt Ion: 105 Resp: 779834

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2

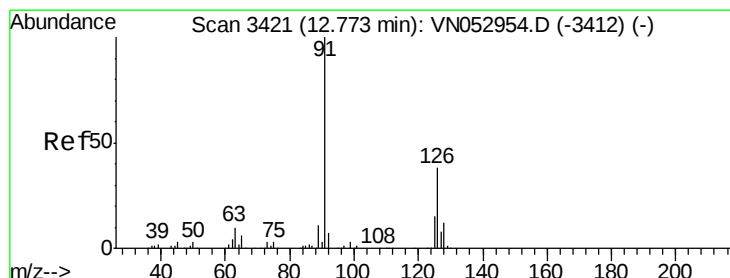
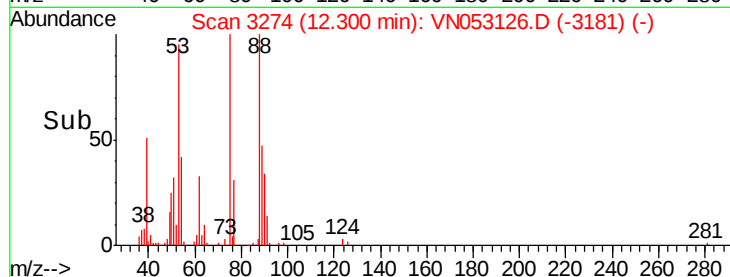
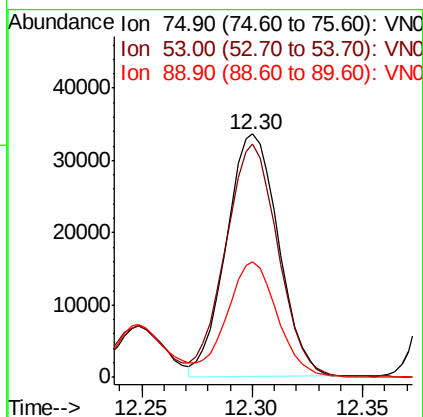
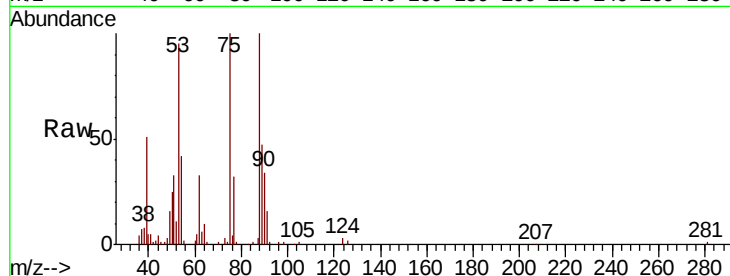




#81
trans-1,4-Dichloro-2-butene
Concen: 17.581 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

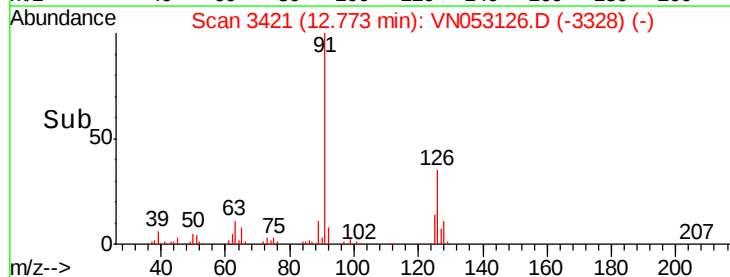
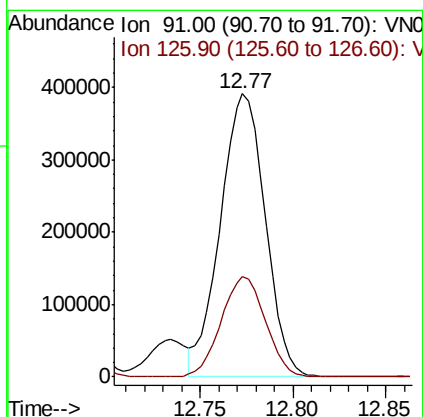
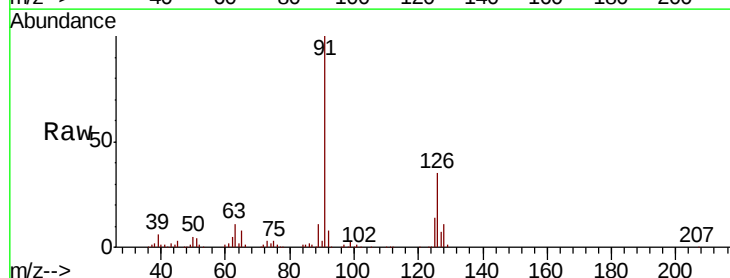
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS01

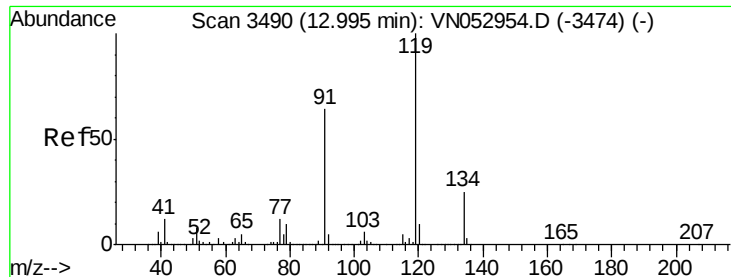
Tot Ion: 75 Resp: 54955
Ion Ratio Lower Upper
75 100
53 97.2 74.7 112.1
89 46.2 36.1 54.1



#82
4-Chlorotoluene
Concen: 20.307 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053126.D
Acq: 22 Dec 2018 12:18

Tgt Ion: 91 Resp: 657108
Ion Ratio Lower Upper
91 100
126 35.0 17.3 51.7

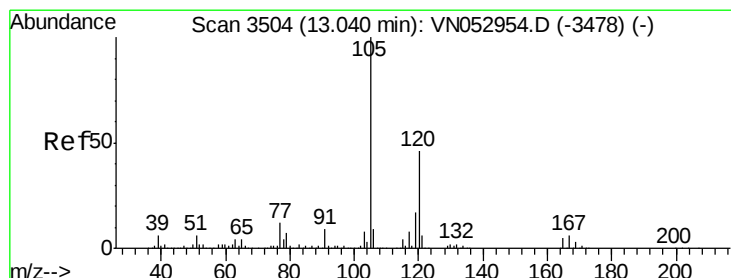
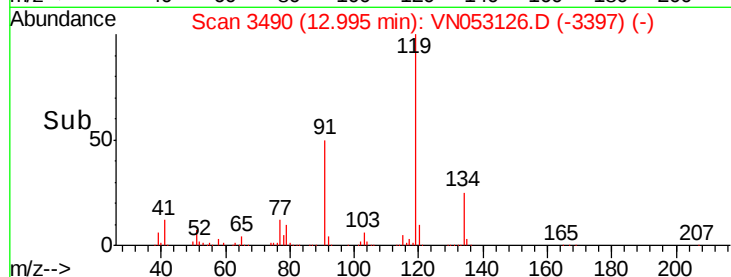
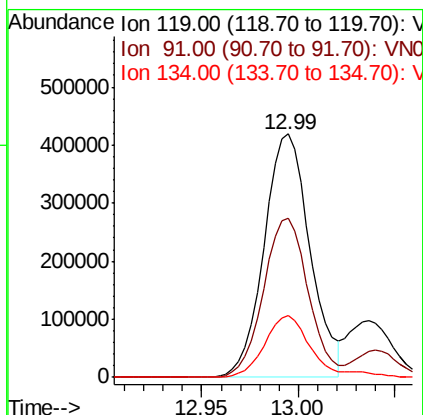
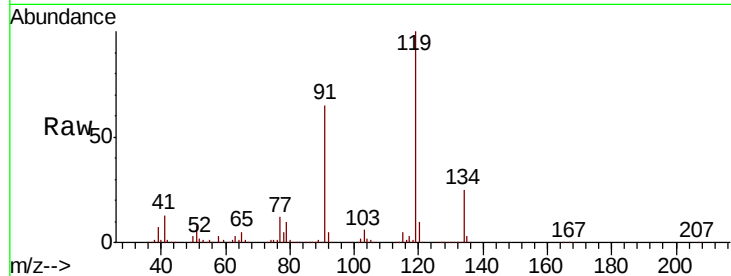




#83
 tert-Butylbenzene
 Concen: 20.606 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

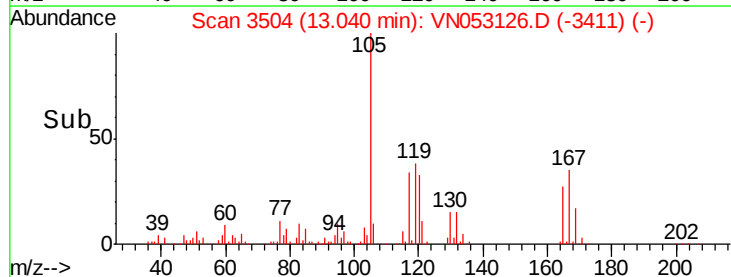
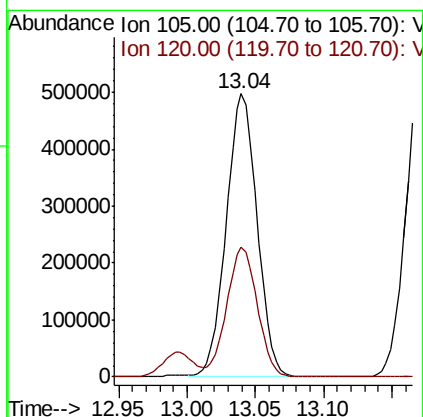
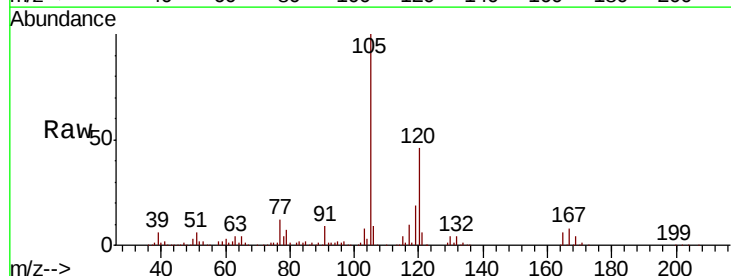
Instrument :
 MSVOA_N
 ClientSampled :
 VN1222MBS01

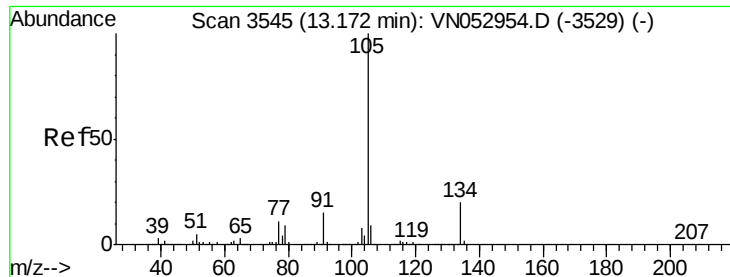
Tot Ion:119 Resp: 695555
 Ion Ratio Lower Upper
 119 100
 91 64.0 31.9 95.5
 134 26.0 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.325 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion:105 Resp: 779851
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.8





#85

sec-Butylbenzene

Concen: 19.851 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

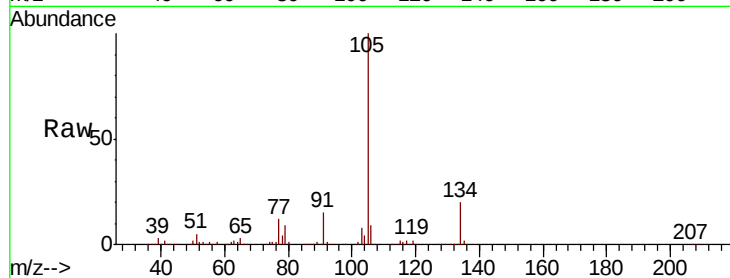
VN1222MBS01

Tot Ion:105 Resp: 906337

Ion Ratio Lower Upper

105 100

134 20.6 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

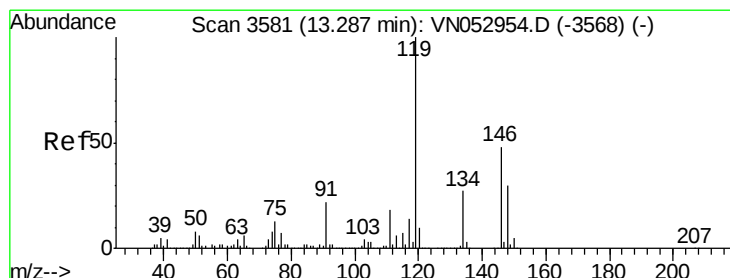
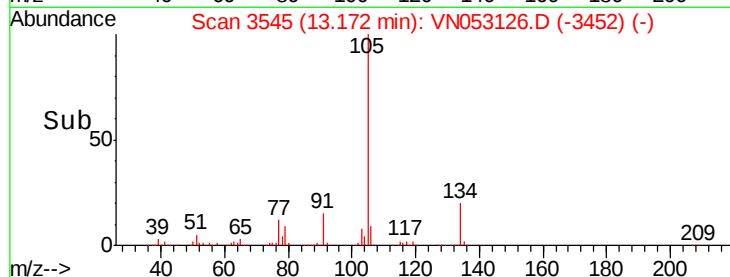
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.423 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

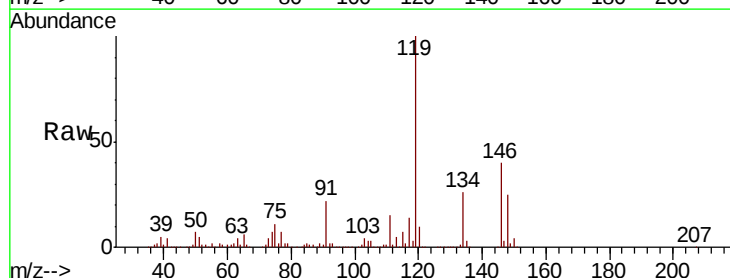
Tgt Ion:119 Resp: 766251

Ion Ratio Lower Upper

119 100

134 26.7 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

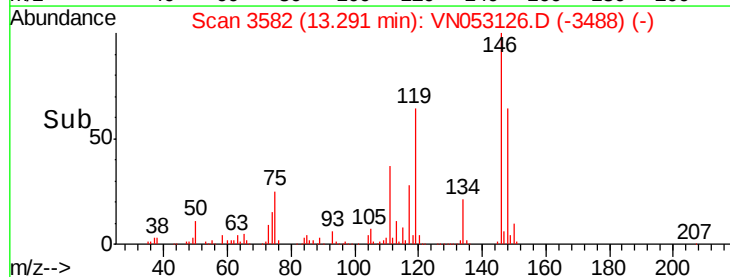
600000

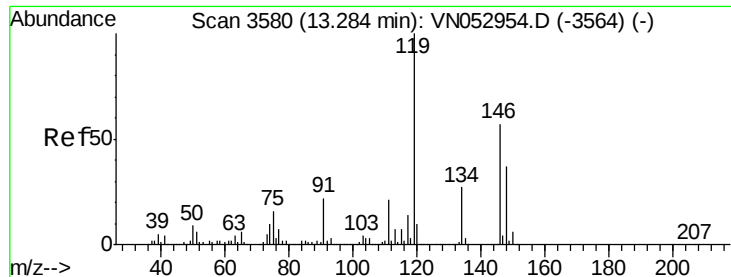
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.169 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

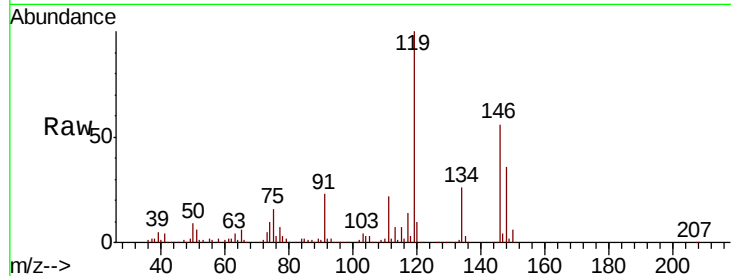
Tot Ion:146 Resp: 412950

Ion Ratio Lower Upper

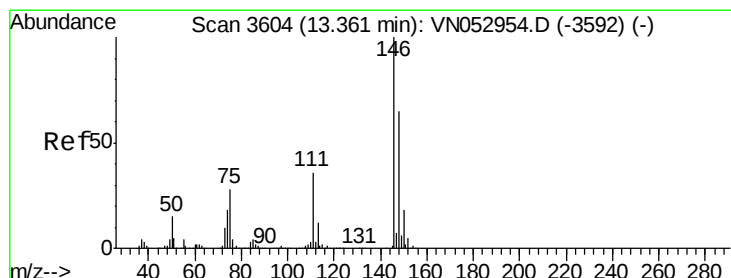
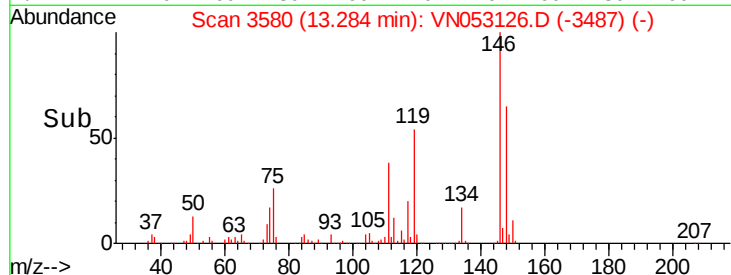
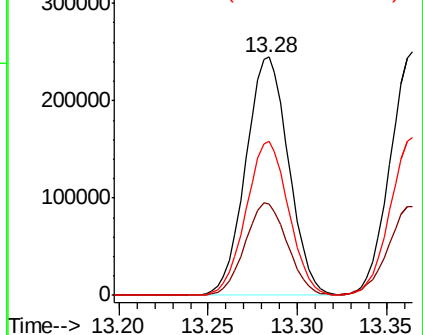
146 100

111 38.2 19.1 57.1

148 64.1 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: 18.748 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

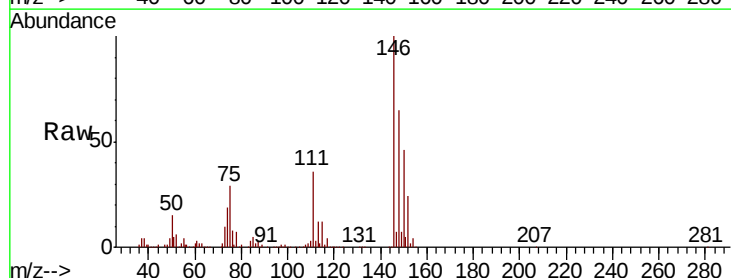
Tgt Ion:146 Resp: 409016

Ion Ratio Lower Upper

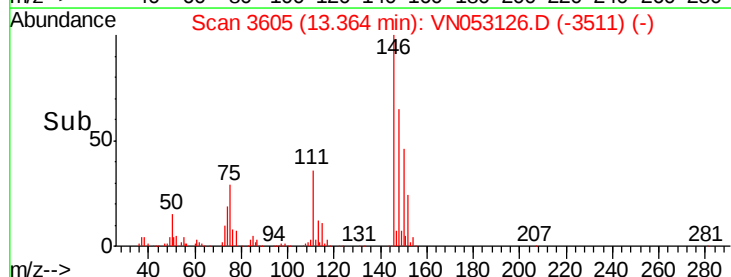
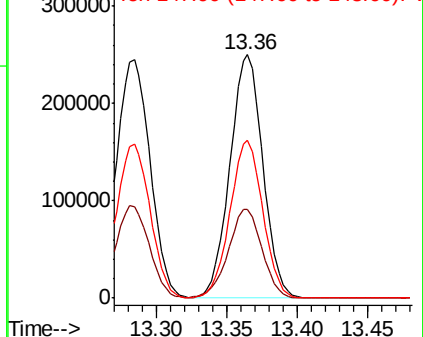
146 100

111 37.5 18.6 55.8

148 64.7 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: 17.549 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampled :

VN1222MBS01

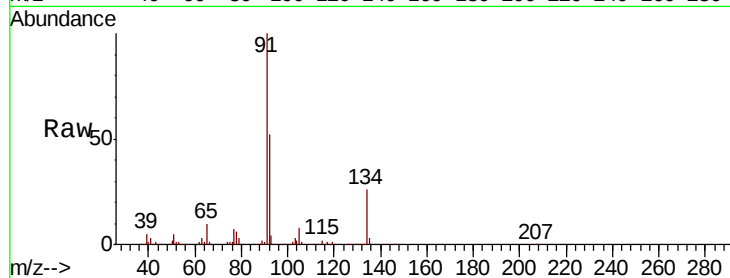
Tot Ion: 91 Resp: 595629

Ion Ratio Lower Upper

91 100

92 52.2 26.3 78.9

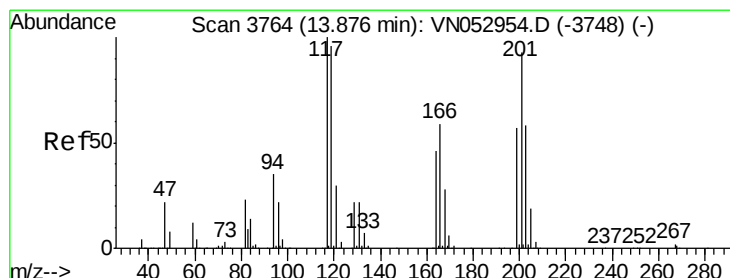
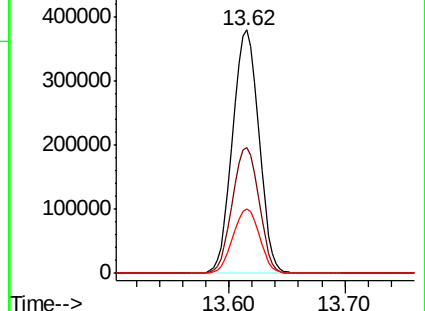
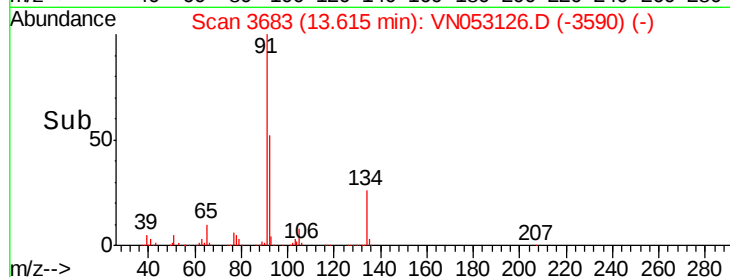
134 26.6 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN053126.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053126.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053126.D (-3590) (-)



#90

Hexachloroethane

Concen: 19.047 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053126.D

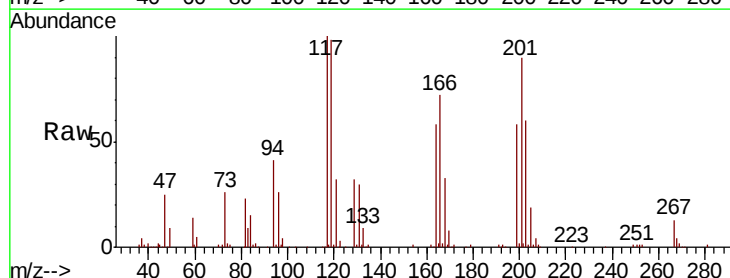
Acq: 22 Dec 2018 12:18

Tgt Ion: 117 Resp: 115311

Ion Ratio Lower Upper

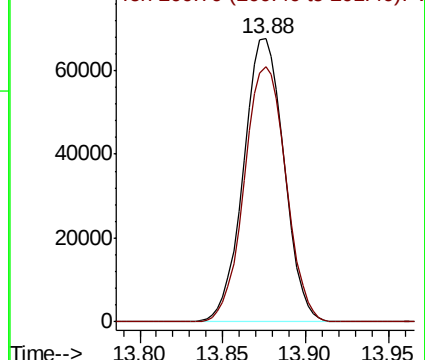
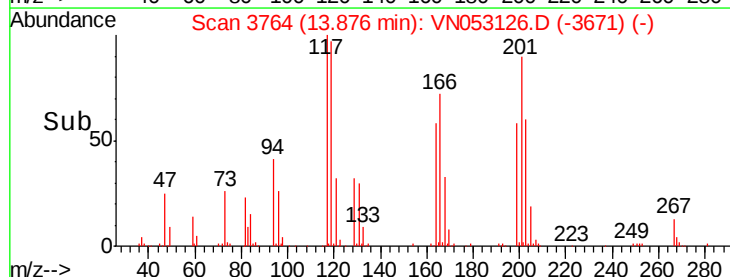
117 100

201 92.6 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN053126.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053126.D (-3671) (-)





#91

1,2-Dichlorobenzene

Concen: 19.075 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

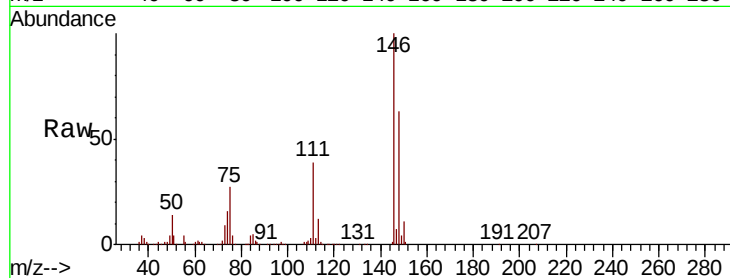
Tot Ion:146 Resp: 386749

Ion Ratio Lower Upper

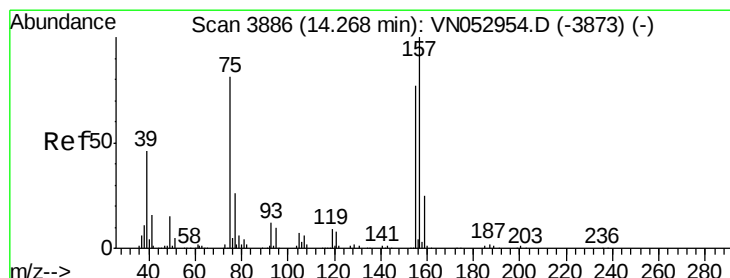
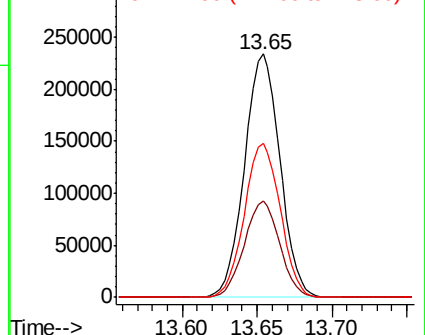
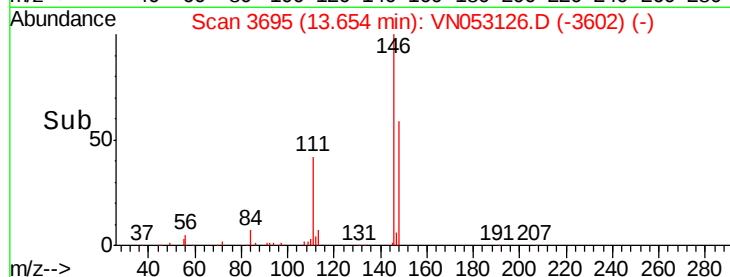
146 100

111 39.4 19.7 59.0

148 64.0 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: 17.246 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

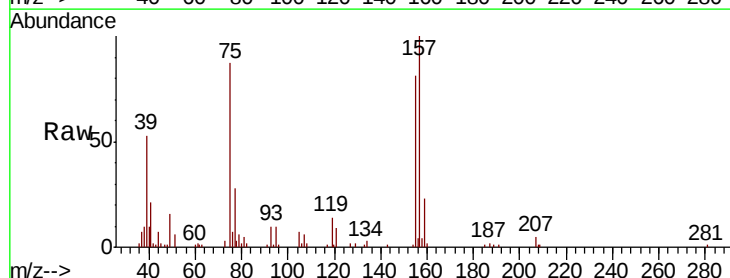
Tgt Ion: 75 Resp: 27394

Ion Ratio Lower Upper

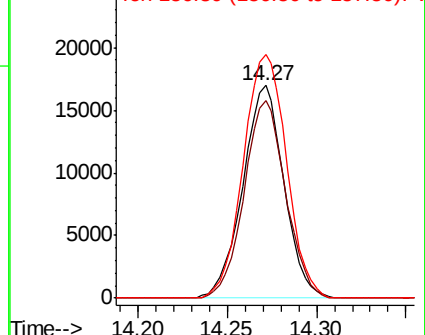
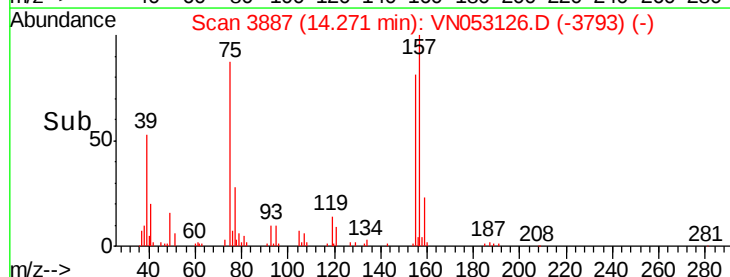
75 100

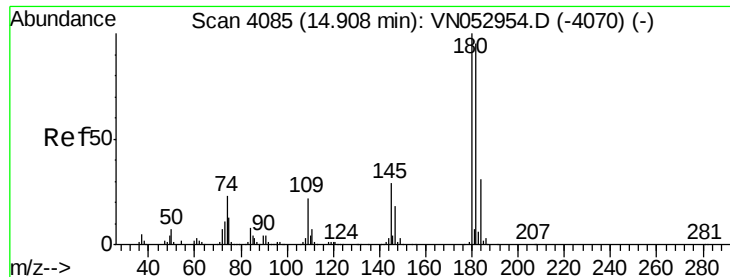
155 93.5 48.2 144.6

157 120.4 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

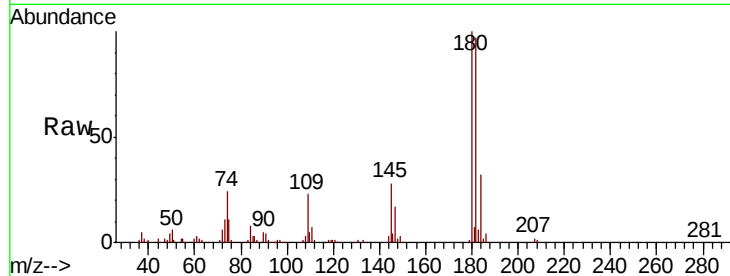




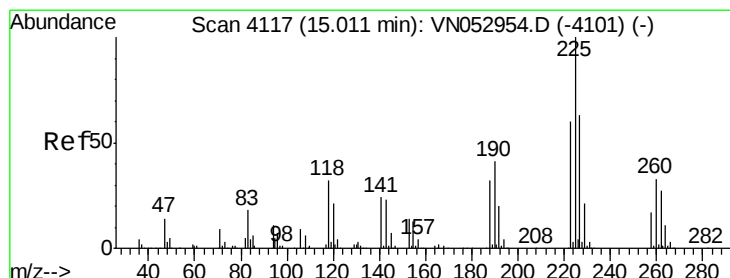
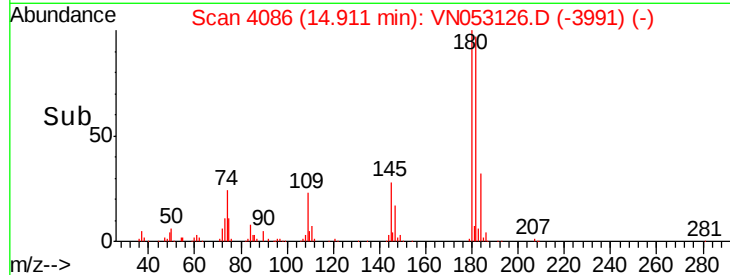
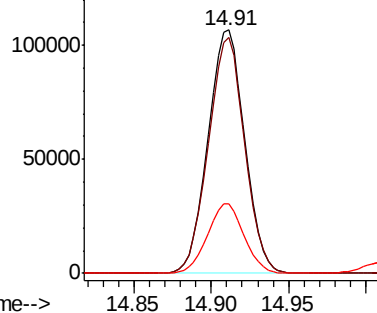
#93
 1,2,4-Trichlorobenzene
 Concen: 16.765 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN1222MBS01

Tot Ion:180 Resp: 175776
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.8 143.3
 145 28.5 14.2 42.6

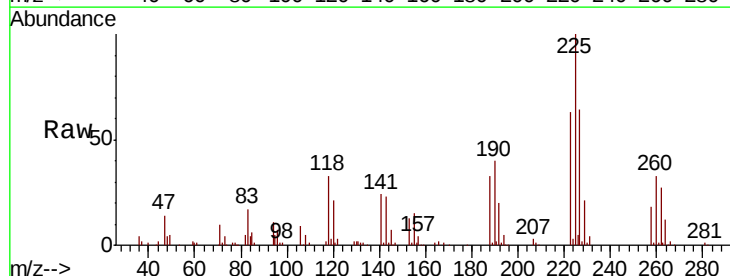


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

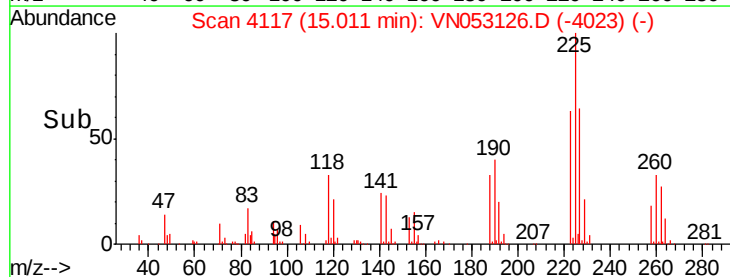
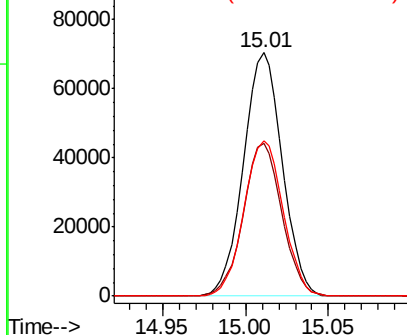


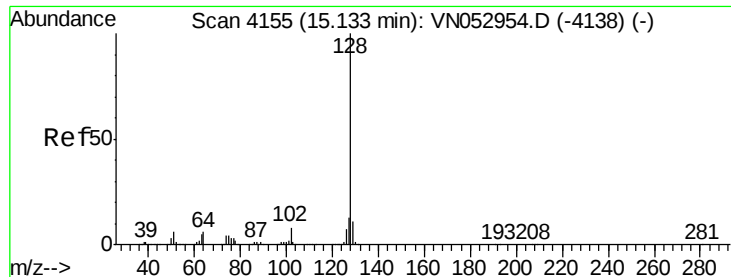
#94
 Hexachlorobutadiene
 Concen: 18.857 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053126.D
 Acq: 22 Dec 2018 12:18

Tgt Ion:225 Resp: 114829
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.5 94.5
 227 64.4 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: 16.276 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS01

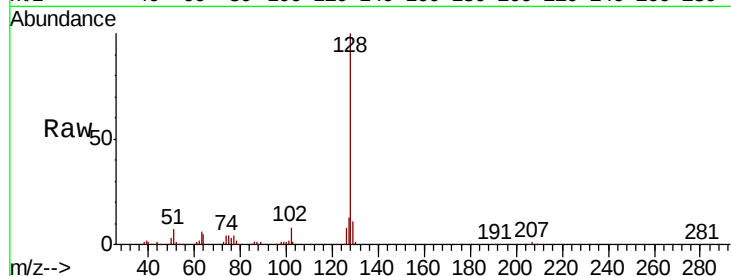
Tot Ion:128 Resp: 364367

Ion Ratio Lower Upper

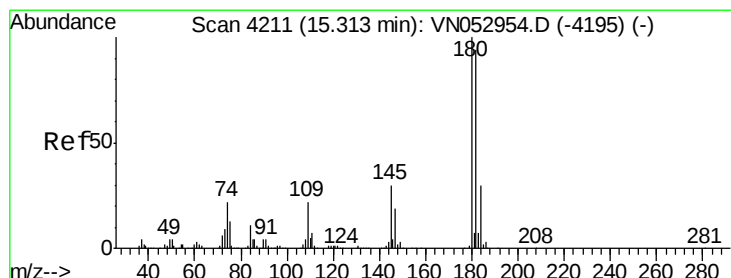
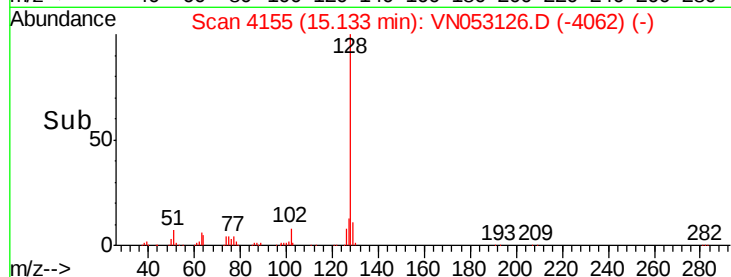
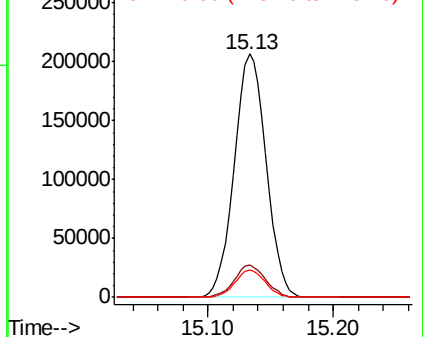
128 100

127 13.0 10.2 15.4

129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.575 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053126.D

Acq: 22 Dec 2018 12:18

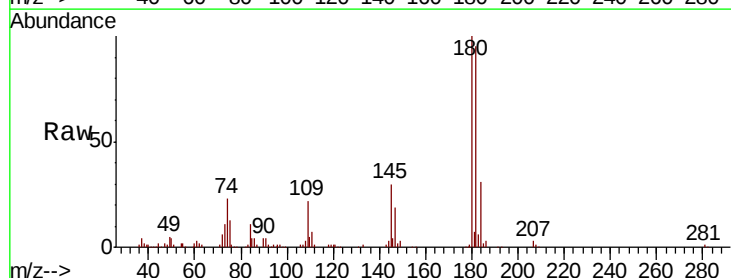
Tgt Ion:180 Resp: 157017

Ion Ratio Lower Upper

180 100

182 97.1 47.9 143.7

145 30.5 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

