

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053046.D
 Acq On : 20 Dec 2018 10:34
 Operator : MD\SY
 Sample : VN1220MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

Quant Time: Dec 21 00:13:49 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	1154763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1763093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1577899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	696228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	616072	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
35) Dibromofluoromethane	7.59	113	483197	60.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.00%	
50) Toluene-d8	10.09	98	2287619	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
62) 4-Bromofluorobenzene	12.40	95	778207	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	228977	19.592	ug/l	99
3) Chloromethane	2.06	50	279771	19.755	ug/l	100
4) Vinyl Chloride	2.19	62	286019	19.941	ug/l	100
5) Bromomethane	2.58	94	187802	18.899	ug/l	100
6) Chloroethane	2.71	64	171686	20.211	ug/l	100
7) Trichlorofluoromethane	3.03	101	356296	19.941	ug/l	99
8) Diethyl Ether	3.41	74	137804	20.443	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	227966	20.010	ug/l	98
10) Methyl Iodide	3.96	142	326948	20.436	ug/l	98
11) Tert butyl alcohol	4.78	59	68865	96.311	ug/l	98
12) 1,1-Dichloroethene	3.74	96	218207	19.825	ug/l	96
13) Acrolein	3.61	56	71419	110.156	ug/l	100
14) Allyl chloride	4.33	41	337913	19.821	ug/l	99
15) Acrylonitrile	4.99	53	400101	100.722	ug/l	99
16) Acetone	3.82	43	225086	97.963	ug/l	99
17) Carbon Disulfide	4.06	76	624080	17.386	ug/l	99
18) Methyl Acetate	4.33	43	202037	19.981	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	608750	20.668	ug/l	98
20) Methylene Chloride	4.55	84	253779	20.248	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	234106	19.797	ug/l	100
22) Diisopropyl ether	5.95	45	767224	21.083	ug/l	98
23) Vinyl Acetate	5.90	43	2220347	106.107	ug/l	99
24) 1,1-Dichloroethane	5.85	63	443845	20.525	ug/l	99
25) 2-Butanone	6.83	43	402779	104.454	ug/l	98
26) 2,2-Dichloropropane	6.83	77	332229	20.126	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	272069	20.322	ug/l	99
28) Bromochloromethane	7.19	49	197075	21.032	ug/l	95
29) Tetrahydrofuran	7.21	42	296677	103.014	ug/l	99
30) Chloroform	7.37	83	430401	20.261	ug/l	100
31) Cyclohexane	7.66	56	417091	19.934	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	357579	19.760	ug/l	99
36) 1,1-Dichloropropene	7.80	75	336882	19.907	ug/l	99
37) Ethyl Acetate	6.93	43	203321	21.522	ug/l	99
38) Carbon Tetrachloride	7.78	117	307262	19.809	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	396070	19.266	ug/l	99
40) Benzene	8.04	78	1033943	20.541	ug/l	100
41) Methacrylonitrile	7.18	41	116079	21.266	ug/l	96
42) 1,2-Dichloroethane	8.12	62	300762	20.226	ug/l	99
43) Isopropyl Acetate	8.16	43	374730	19.868	ug/l	99
44) Trichloroethene	8.84	130	289580	19.890	ug/l	95
45) 1,2-Dichloropropane	9.12	63	271909	20.739	ug/l	99
46) Dibromomethane	9.21	93	153865	20.145	ug/l	98
47) Bromodichloromethane	9.40	83	324010	19.957	ug/l	99
48) Methyl methacrylate	9.20	41	183931	20.064	ug/l	98
49) 1,4-Dioxane	9.20	88	44567	384.330	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	971303	106.168	ug/l	99
52) Toluene	10.16	92	642507	20.593	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	329652	19.309	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	394682	20.141	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	225702	20.736	ug/l	99
56) Ethyl methacrylate	10.43	69	294183	20.420	ug/l	98
57) 1,3-Dichloropropane	10.71	76	387591	20.766	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	823505	104.119	ug/l	98
59) 2-Hexanone	10.75	43	658066	106.313	ug/l	99
60) Dibromochloromethane	10.90	129	245392	19.695	ug/l	100
61) 1,2-Dibromoethane	11.01	107	224660	20.323	ug/l	100
64) Tetrachloroethene	10.63	164	331533	19.397	ug/l	98
65) Chlorobenzene	11.43	112	709960	20.298	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	244977	20.141	ug/l	99
67) Ethyl Benzene	11.51	91	1219780	20.278	ug/l	100
68) m/p-Xylenes	11.62	106	923286	40.376	ug/l	100
69) o-Xylene	11.95	106	451834	20.591	ug/l	99
70) Styrene	11.96	104	733749	20.507	ug/l	99
71) Bromoform	12.13	173	162952	18.545	ug/l #	99
73) Isopropylbenzene	12.25	105	1204345	22.109	ug/l	100
74) N-amyl acetate	12.07	43	321359	21.248	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	246062	23.025	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	330523	28.201	ug/l #	100
77) Bromobenzene	12.53	156	306117	21.618	ug/l	97
78) n-propylbenzene	12.59	91	1320315	21.281	ug/l	99
79) 2-Chlorotoluene	12.67	91	786077	20.441	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	936562	21.093	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	71437	19.645	ug/l	98
82) 4-Chlorotoluene	12.77	91	786918	20.904	ug/l	99
83) tert-Butylbenzene	12.99	119	829261	21.118	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	936968	20.992	ug/l	100
85) sec-Butylbenzene	13.17	105	1091851	20.557	ug/l	100
86) p-Isopropyltoluene	13.29	119	931599	20.298	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	503534	20.092	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	492608	19.410	ug/l	99
89) n-Butylbenzene	13.62	91	730914	18.511	ug/l	99
90) Hexachloroethane	13.88	117	133011	18.886	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	468369	19.857	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34024	18.413	ug/l	100

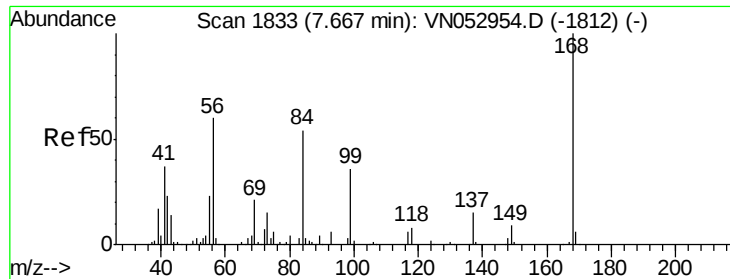
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122018\
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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	222288	18.172	ug/l	99
94) Hexachlorobutadiene	15.01	225	142229	20.275	ug/l	99
95) Naphthalene	15.13	128	468465	17.868	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	202411	18.312	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampled :

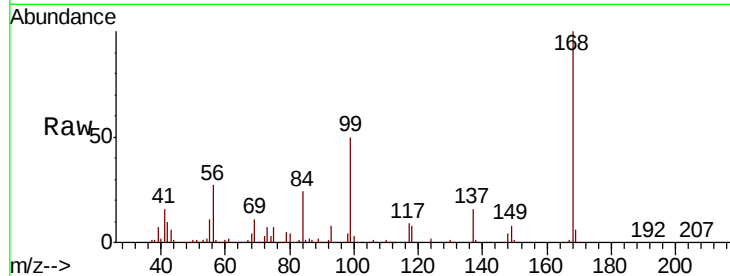
VN1220MBS01

Tot Ion:168 Resp: 1154763

Ion Ratio Lower Upper

168 100

99 49.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

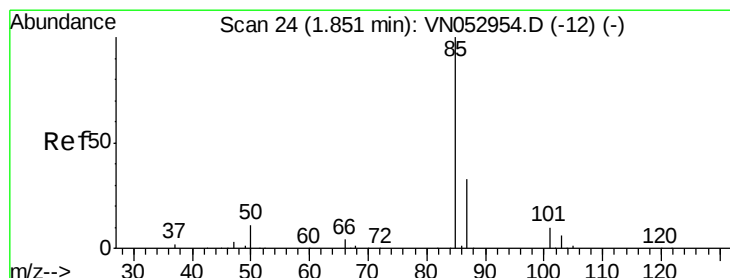
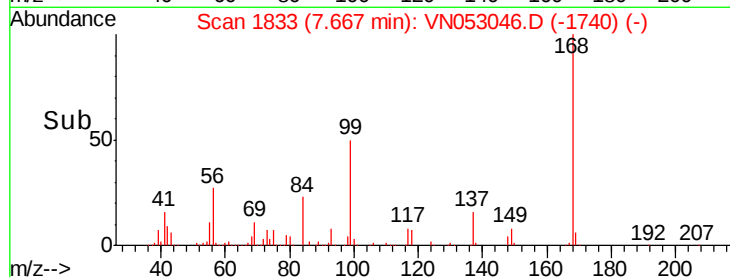
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.592 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053046.D

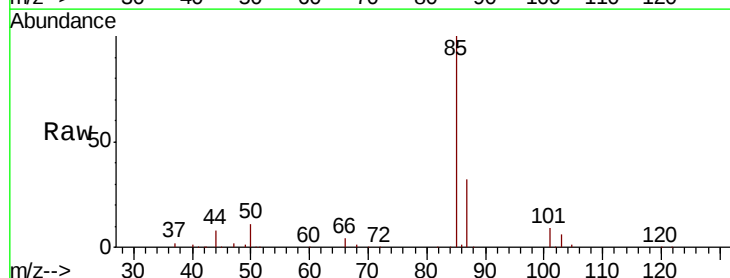
Acq: 20 Dec 2018 10:34

Tgt Ion: 85 Resp: 228977

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

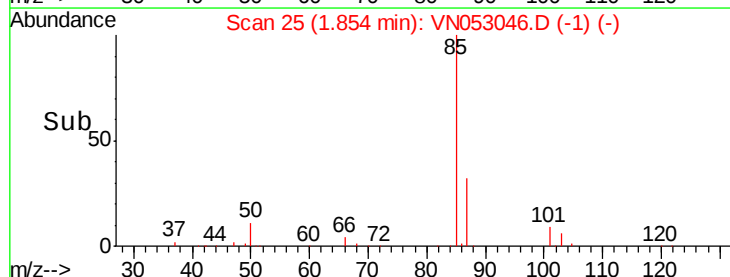
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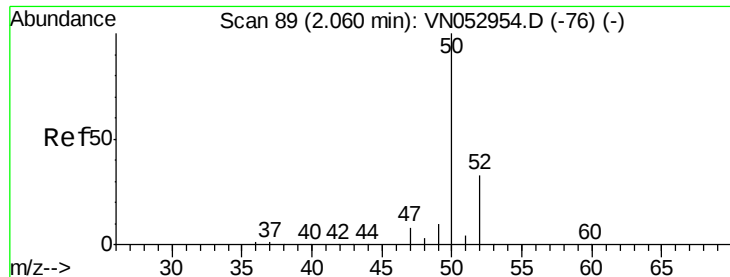
100000

50000

0

Time-->





#3

Chloromethane

Concen: 19.755 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

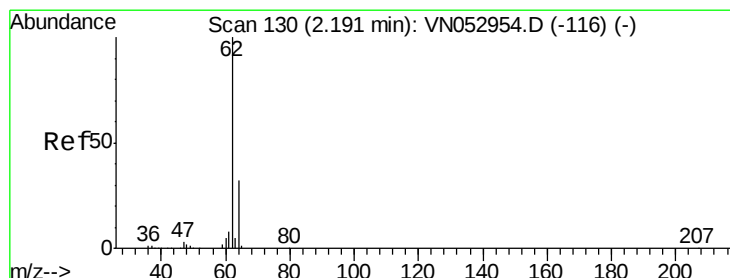
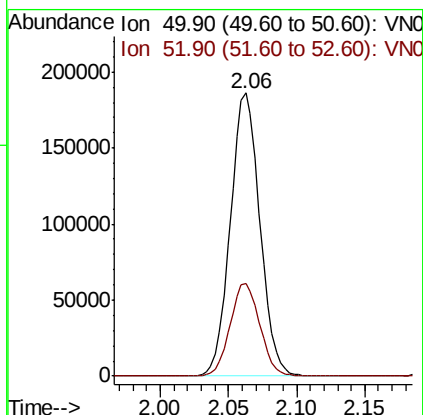
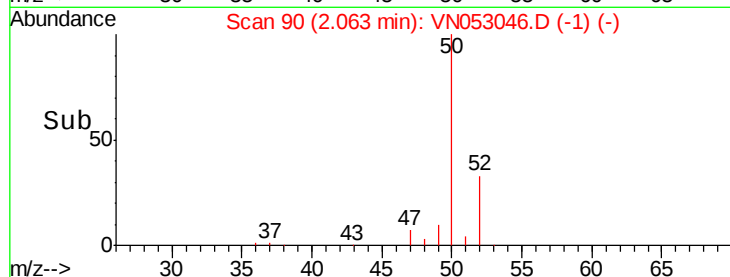
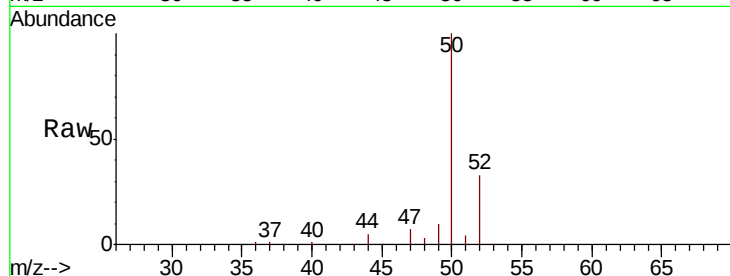
VN1220MBS01

Tot Ion: 50 Resp: 279771

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.4



#4

Vinyl Chloride

Concen: 19.941 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053046.D

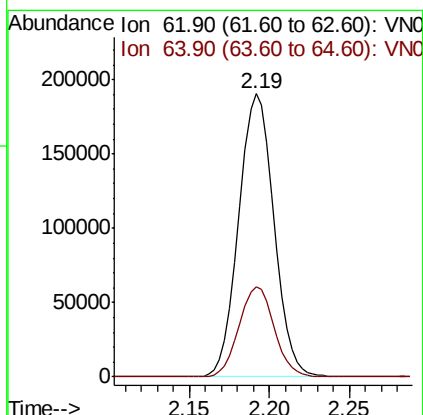
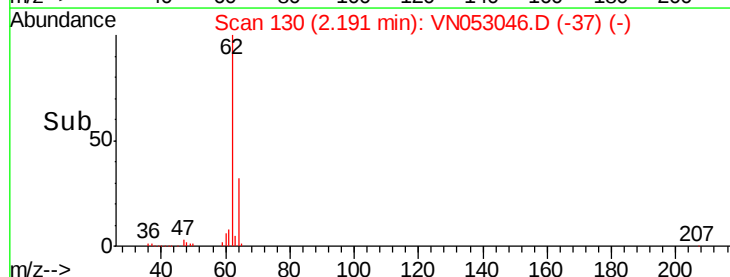
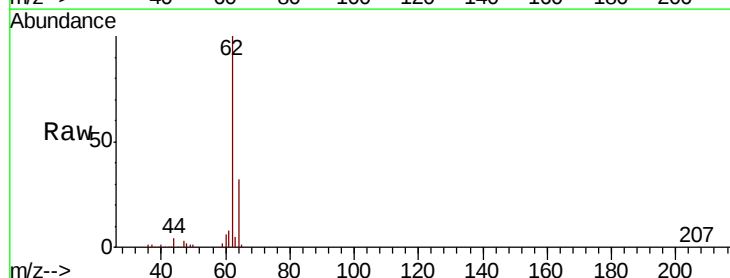
Acq: 20 Dec 2018 10:34

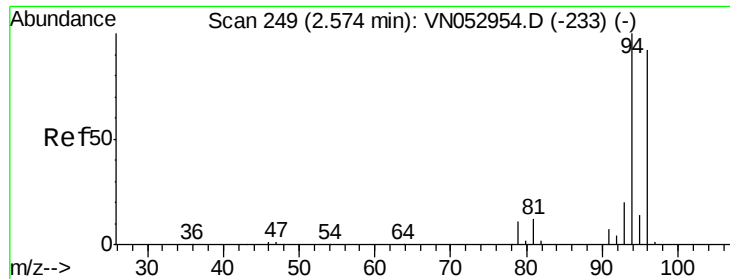
Tgt Ion: 62 Resp: 286019

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3

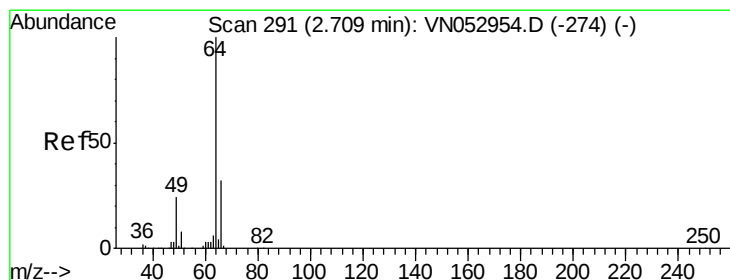
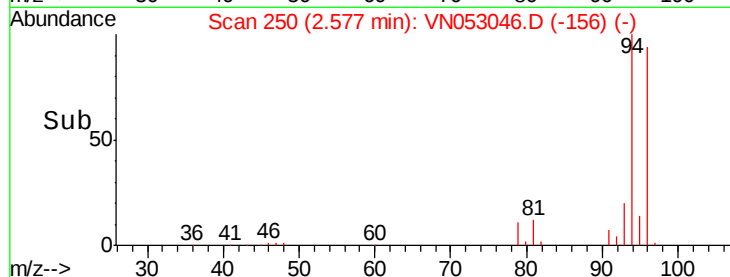
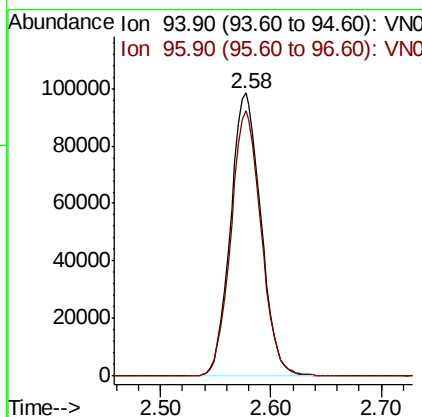
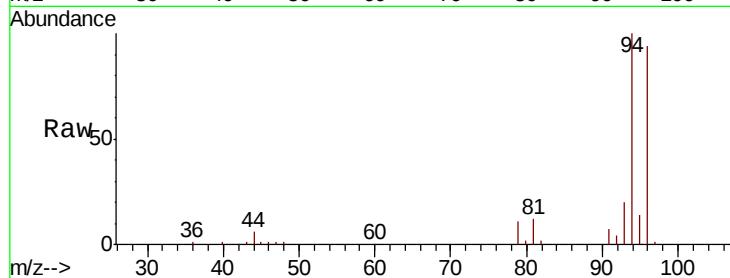




#5
Bromomethane
Concen: 18.899 ug/l
RT: 2.58 min Scan# 250
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

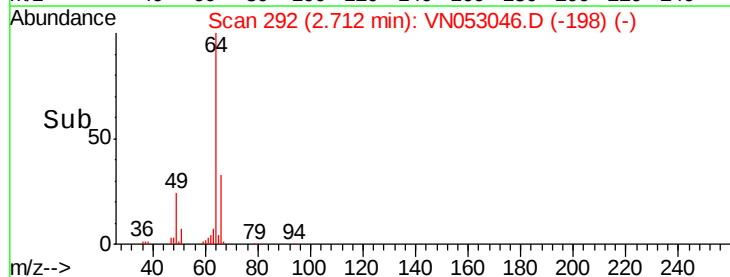
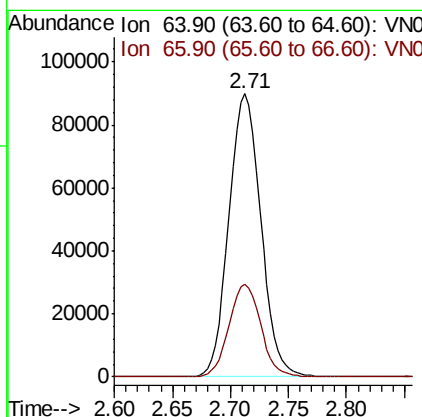
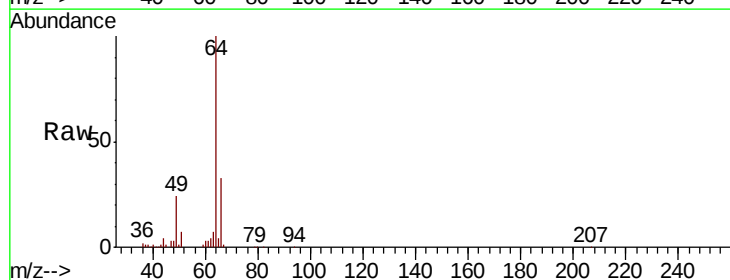
Instrument :
MSVOA_N
ClientSampled :
VN1220MBS01

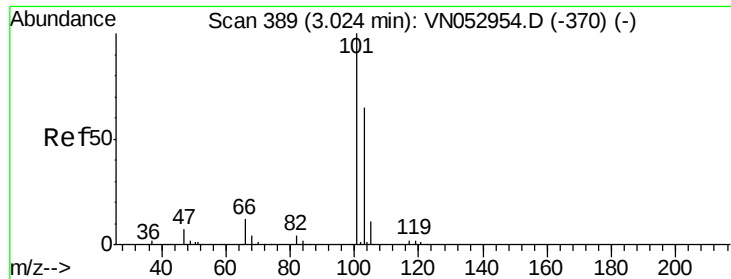
Tot Ion: 94 Resp: 187802
Ion Ratio Lower Upper
94 100
96 93.7 75.0 112.4



#6
Chloroethane
Concen: 20.211 ug/l
RT: 2.71 min Scan# 292
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 64 Resp: 171686
Ion Ratio Lower Upper
64 100
66 32.5 26.2 39.2



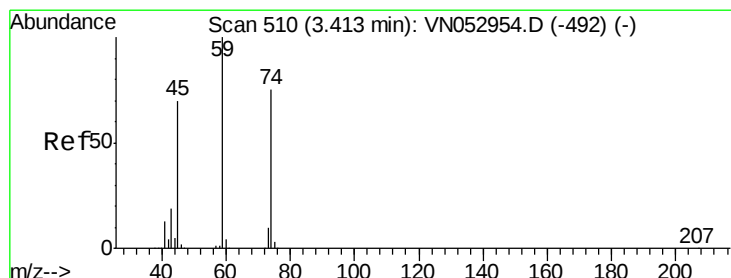
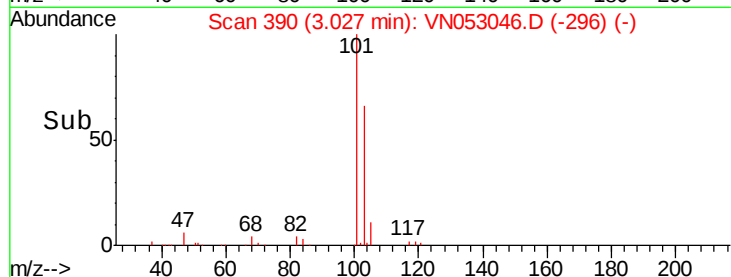
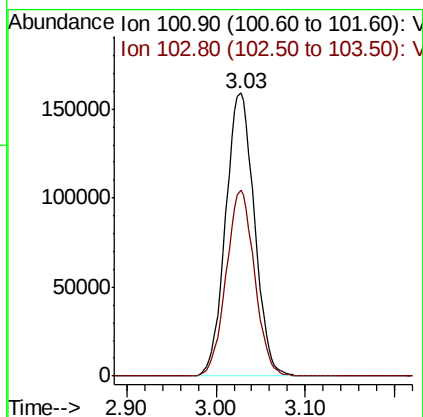
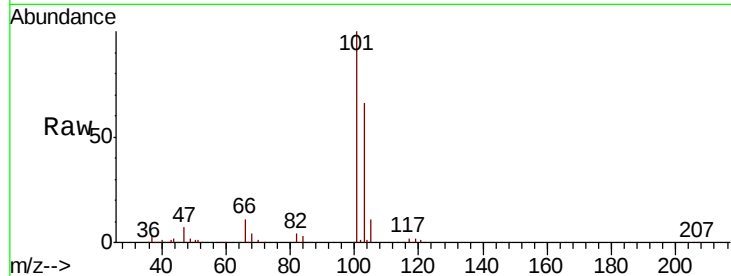


#7

Trichlorofluoromethane
 Concen: 19.941 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

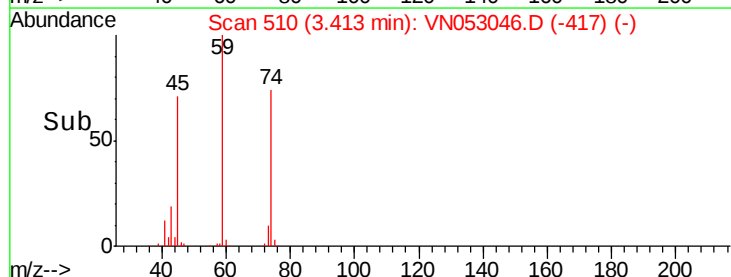
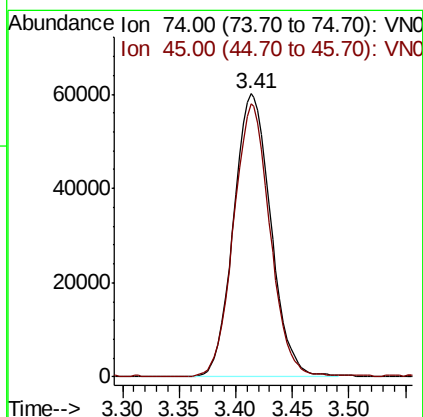
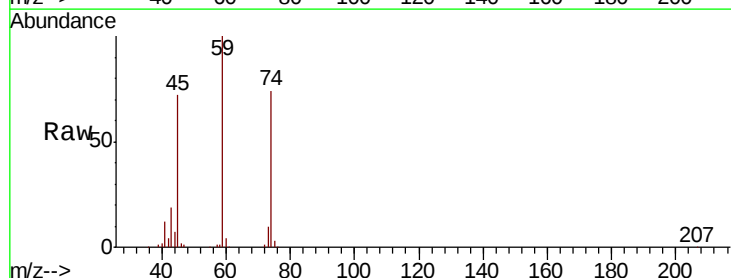
Tot Ion:101 Resp: 356296
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.8 77.6

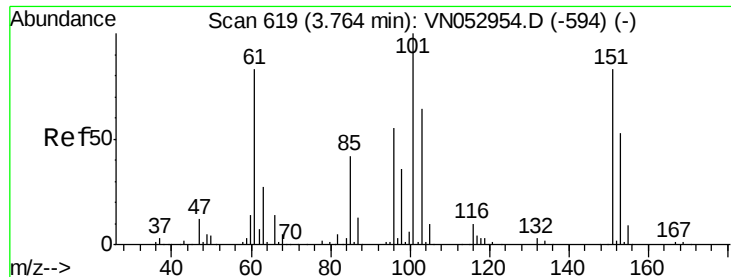


#8

Diethyl Ether
 Concen: 20.443 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion: 74 Resp: 137804
 Ion Ratio Lower Upper
 74 100
 45 93.4 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.010 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampled :

VN1220MBS01

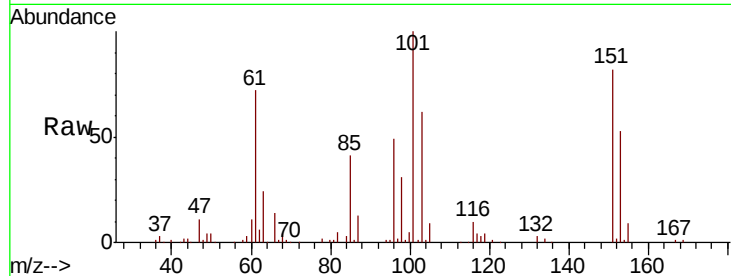
Tot Ion:101 Resp: 227966

Ion Ratio Lower Upper

101 100

85 40.7 33.6 50.4

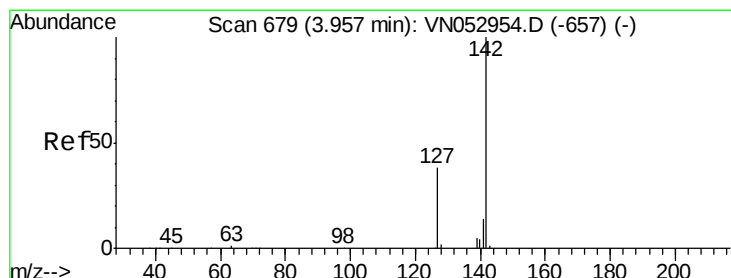
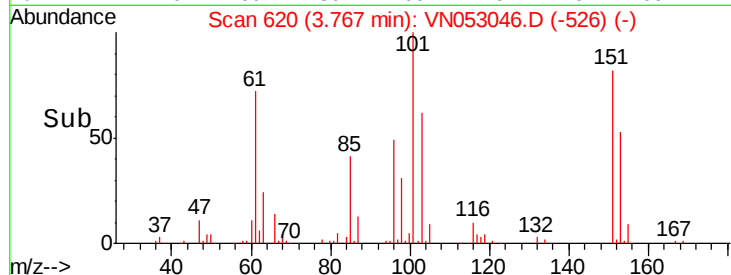
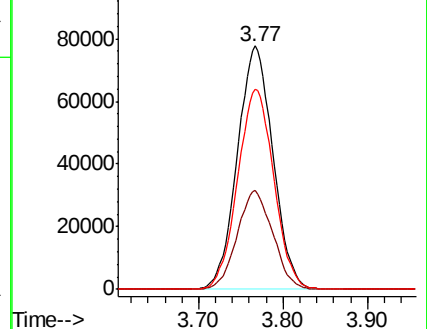
151 83.6 65.5 98.3



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: 20.436 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

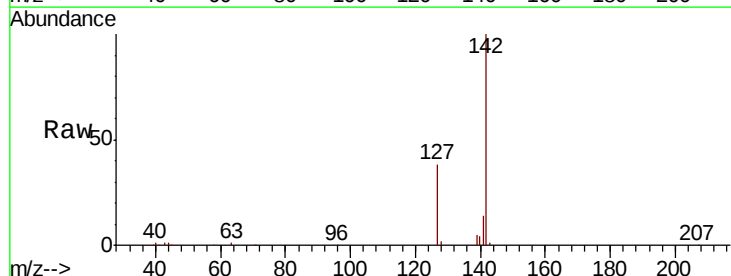
Tgt Ion:142 Resp: 326948

Ion Ratio Lower Upper

142 100

127 37.4 31.0 46.6

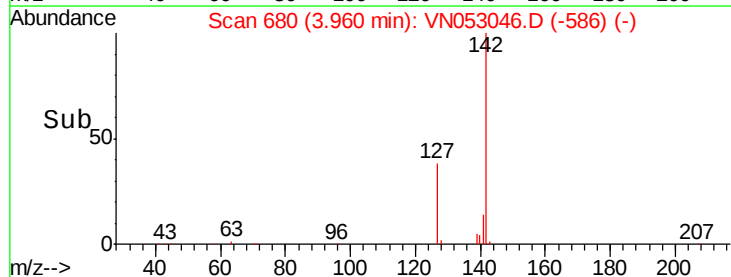
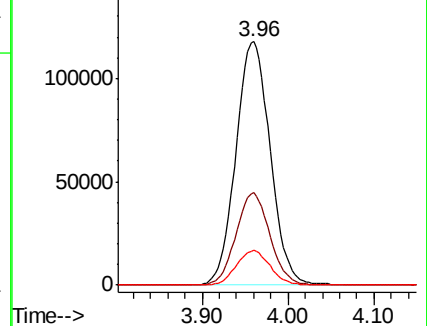
141 14.0 11.2 16.8

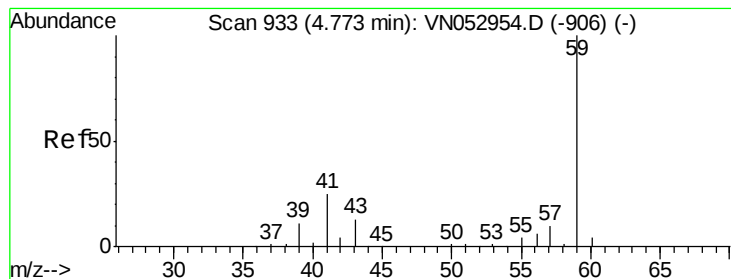


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 96.311 ug/l

RT: 4.78 min Scan# 934

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

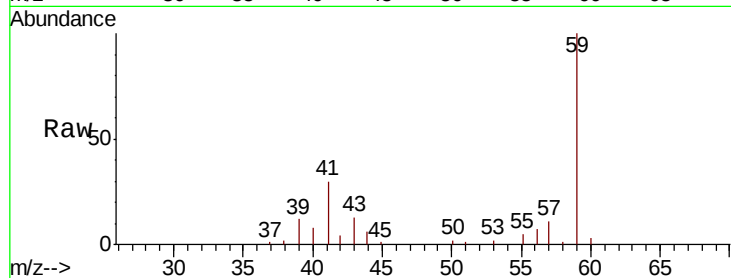
VN1220MBS01

Tot Ion: 59 Resp: 68865

Ion Ratio Lower Upper

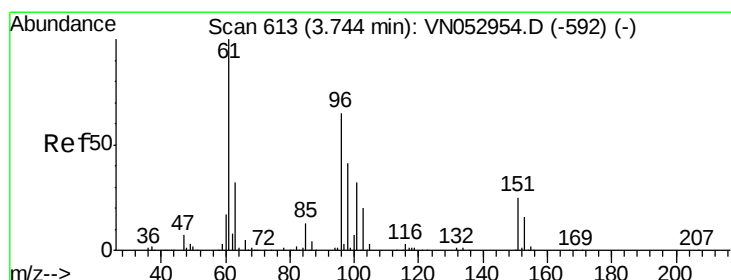
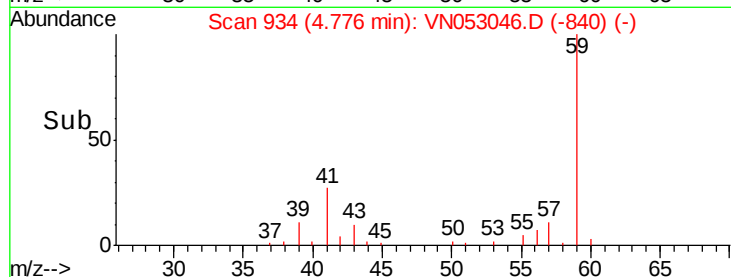
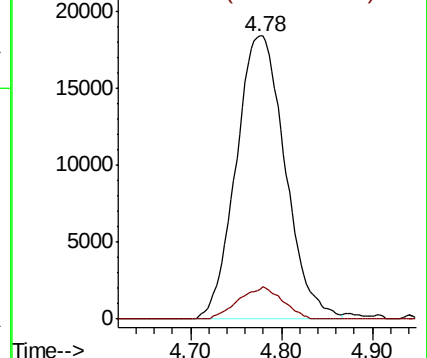
59 100

57 10.2 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 19.825 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

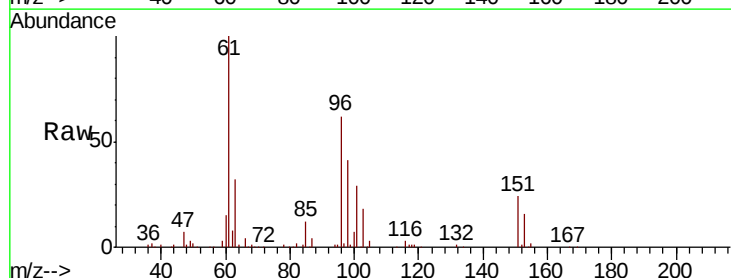
Tgt Ion: 96 Resp: 218207

Ion Ratio Lower Upper

96 100

61 161.6 125.6 188.4

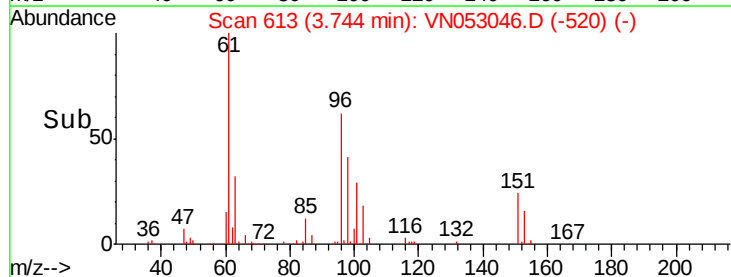
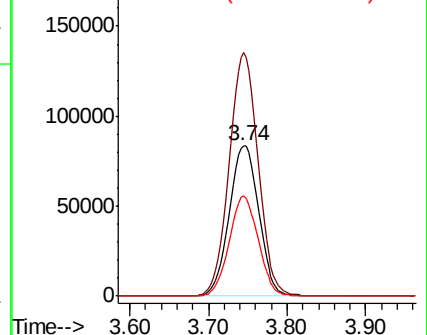
98 66.9 50.6 75.8

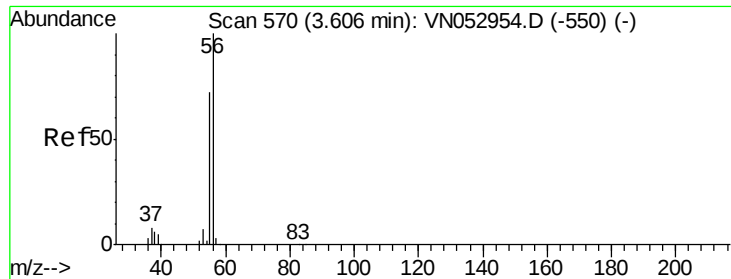


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

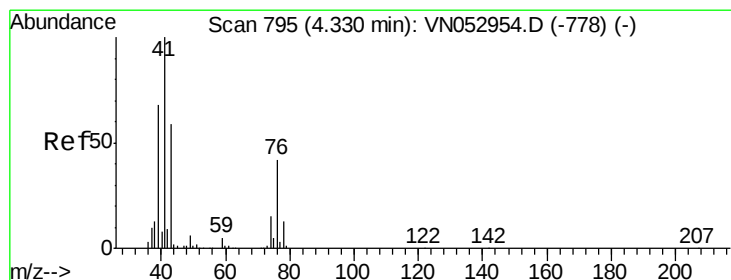
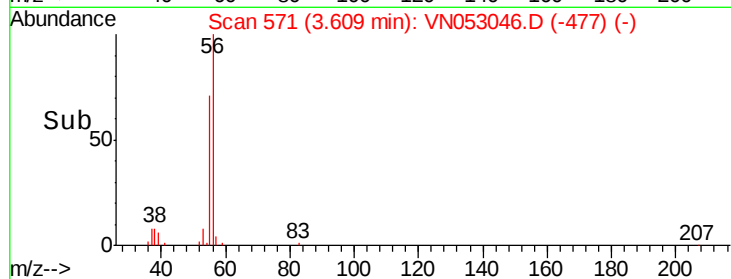
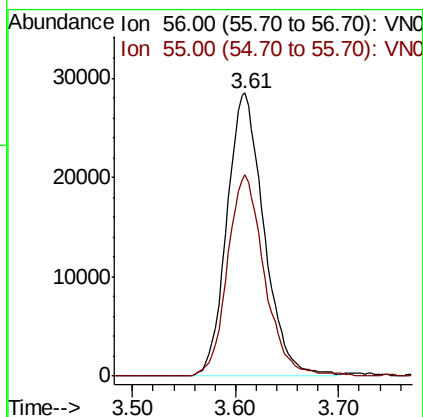
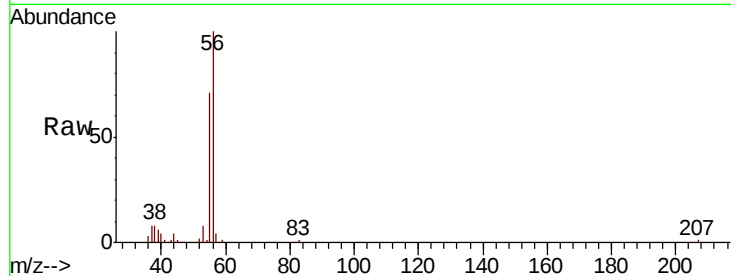




#13
Acrolein
Concen: 110.156 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

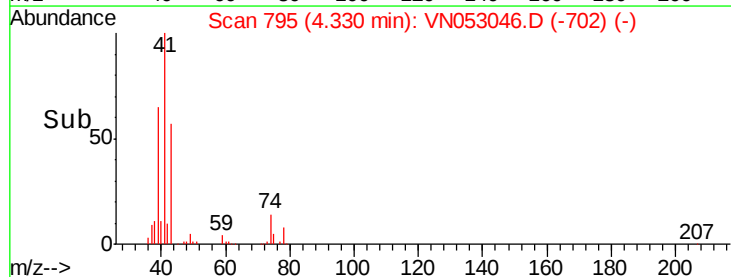
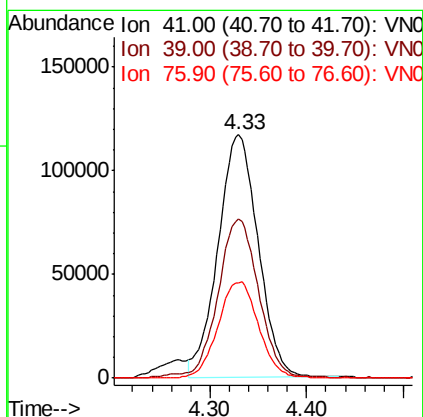
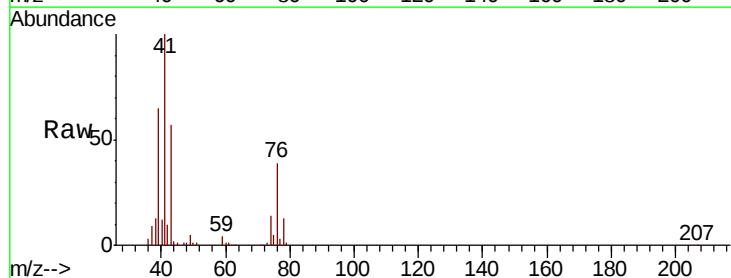
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

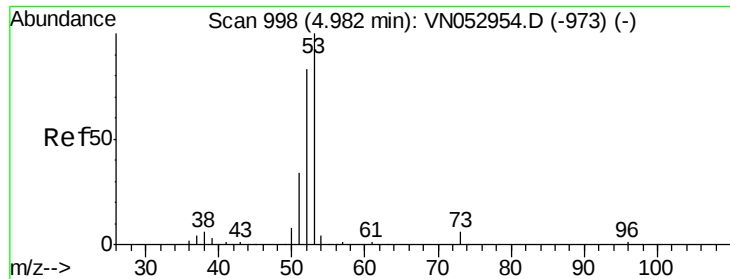
Tot Ion: 56 Resp: 71419
Ion Ratio Lower Upper
56 100
55 70.5 56.6 85.0



#14
Allyl chloride
Concen: 19.821 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 41 Resp: 337913
Ion Ratio Lower Upper
41 100
39 67.2 54.1 81.1
76 39.4 30.3 45.5





#15

Acrylonitrile

Concen: 100.722 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

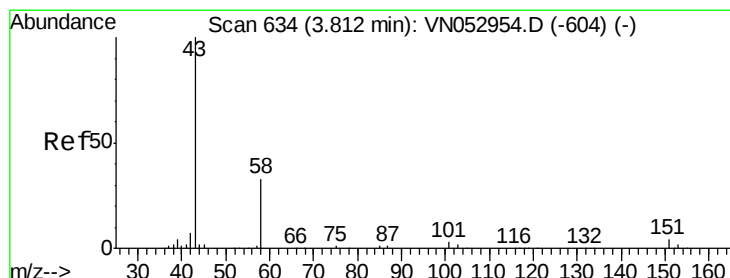
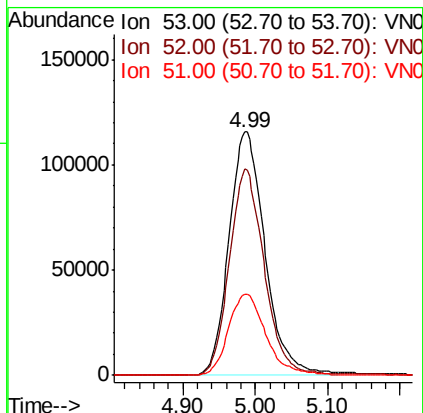
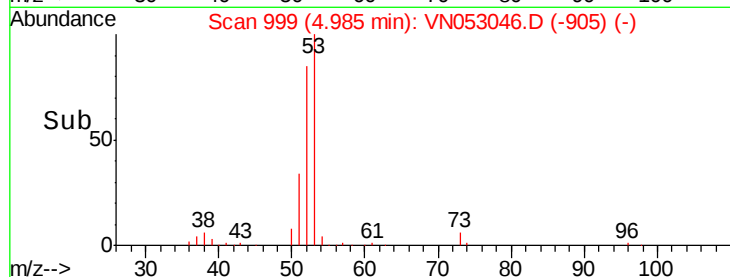
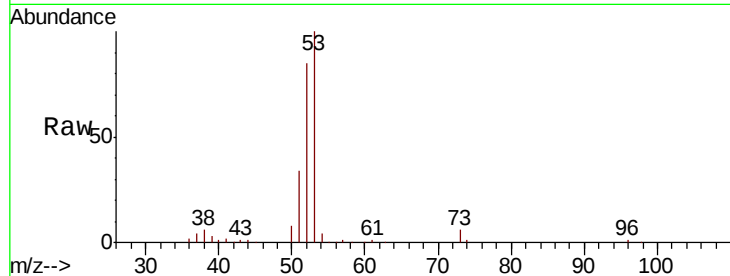
Tot Ion: 53 Resp: 400101

Ion Ratio Lower Upper

53 100

52 81.9 65.1 97.7

51 34.9 28.1 42.1



#16

Acetone

Concen: 97.963 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053046.D

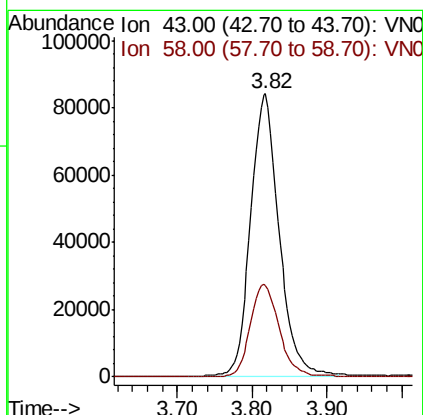
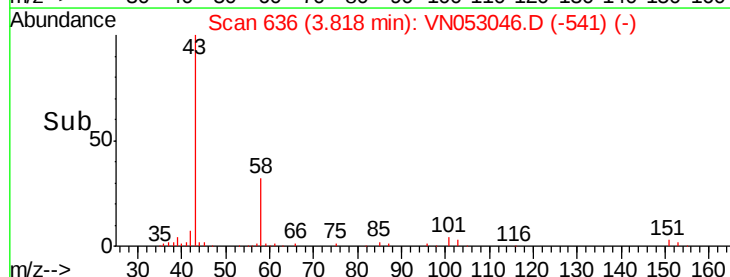
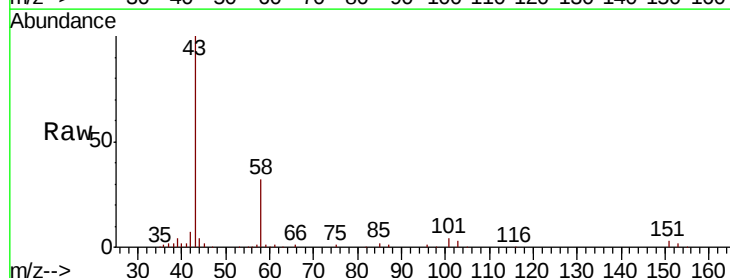
Acq: 20 Dec 2018 10:34

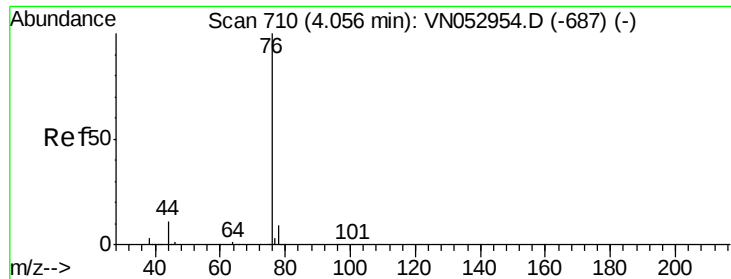
Tgt Ion: 43 Resp: 225086

Ion Ratio Lower Upper

43 100

58 32.2 25.4 38.0





#17

Carbon Disulfide

Concen: 17.386 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampled :

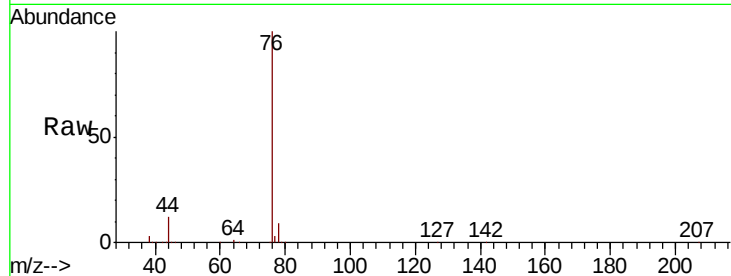
VN1220MBS01

Tot Ion: 76 Resp: 624080

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-687) (-)

4.06

250000

200000

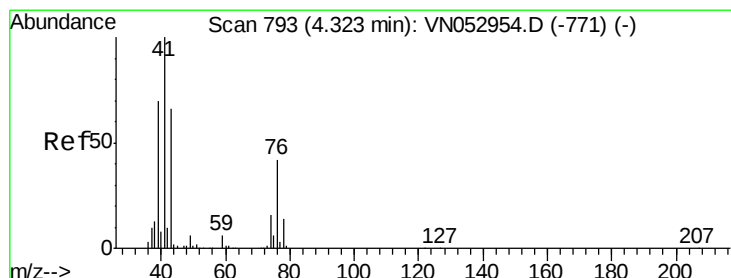
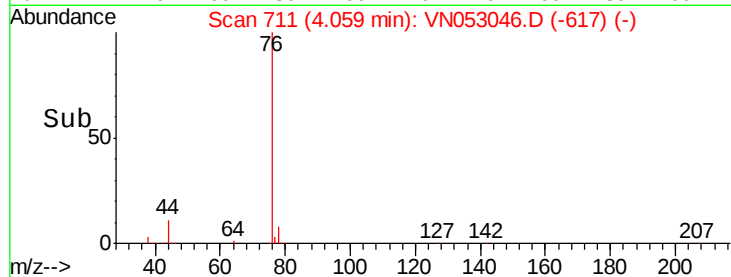
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.981 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053046.D

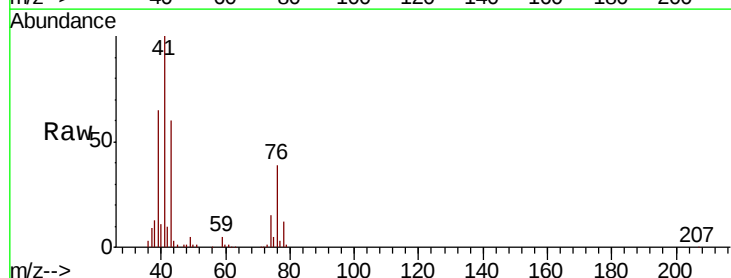
Acq: 20 Dec 2018 10:34

Tgt Ion: 43 Resp: 202037

Ion Ratio Lower Upper

43 100

74 24.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN052954.D (-771) (-)

4.33

80000

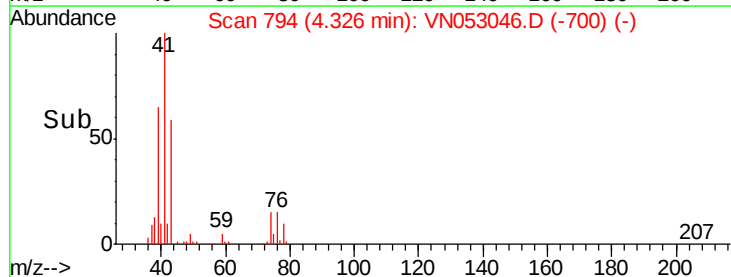
60000

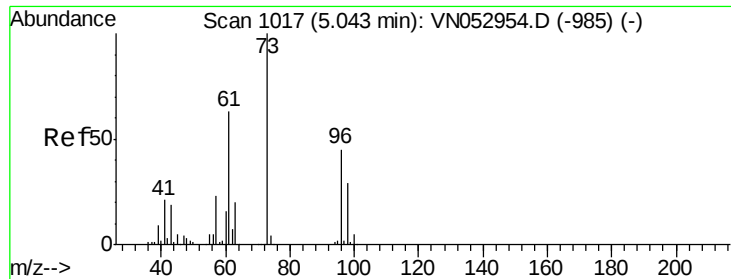
40000

20000

0

Time-->

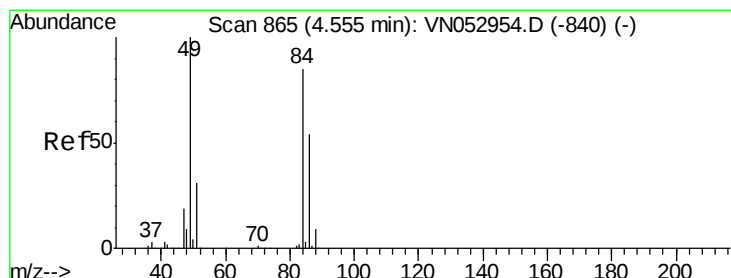
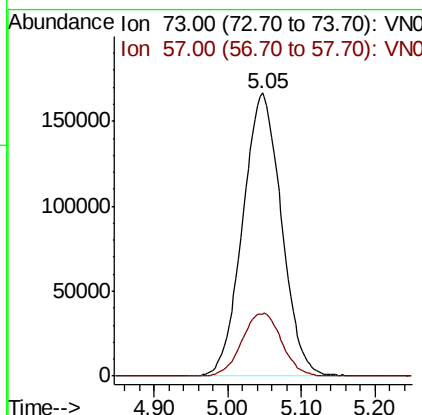
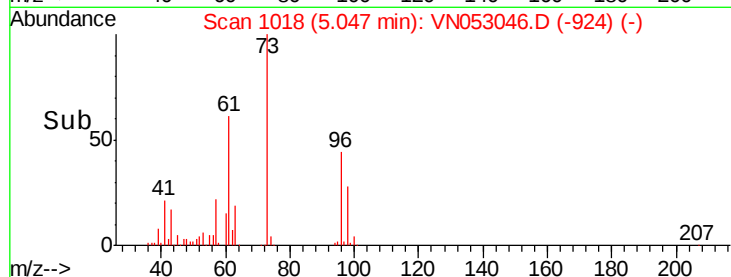
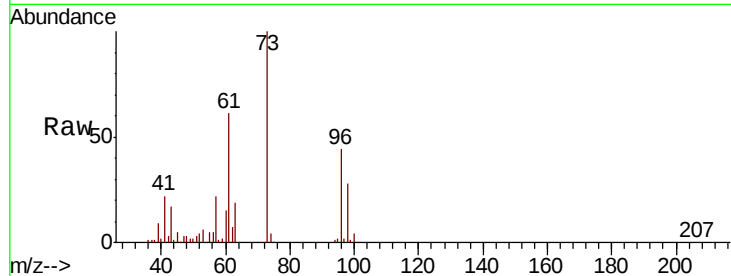




#19
Methvl tert-butvl Ether
Concen: 20.668 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

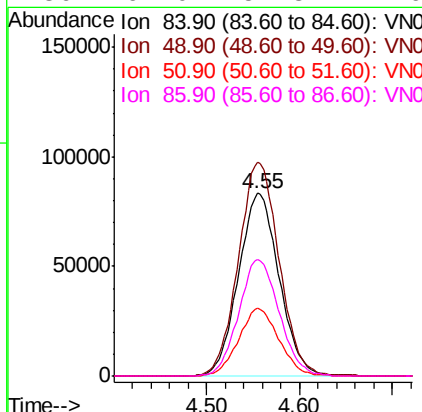
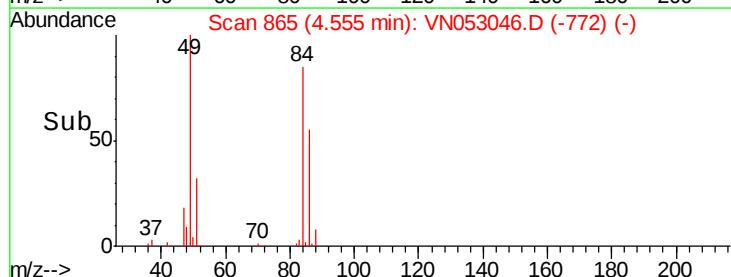
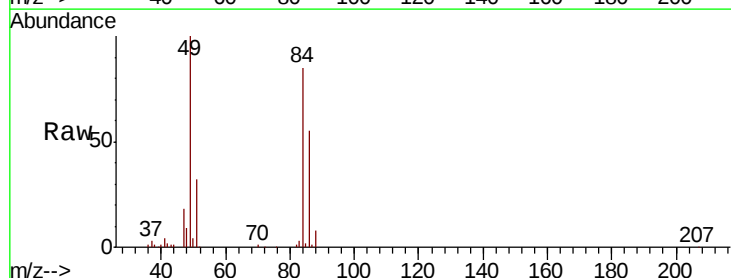
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

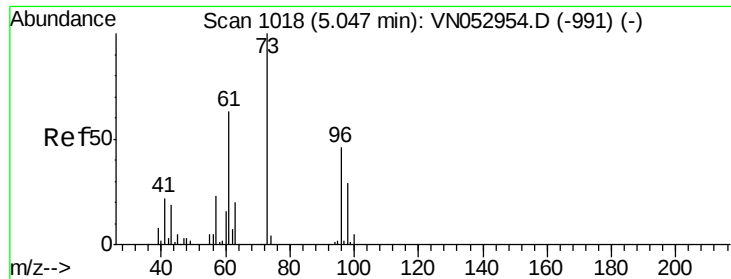
Tot Ion: 73 Resp: 608750
Ion Ratio Lower Upper
73 100
57 22.0 18.4 27.6



#20
Methylene Chloride
Concen: 20.248 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 84 Resp: 253779
Ion Ratio Lower Upper
84 100
49 117.0 96.8 145.2
51 37.1 29.9 44.9
86 64.0 51.8 77.6

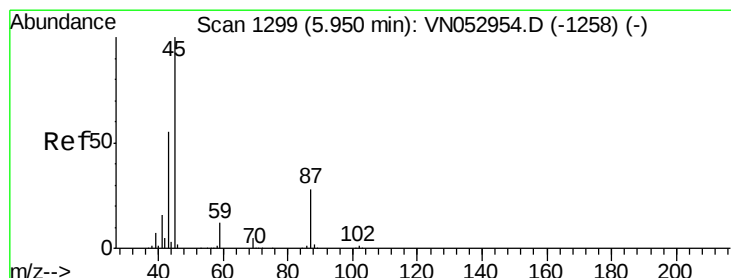
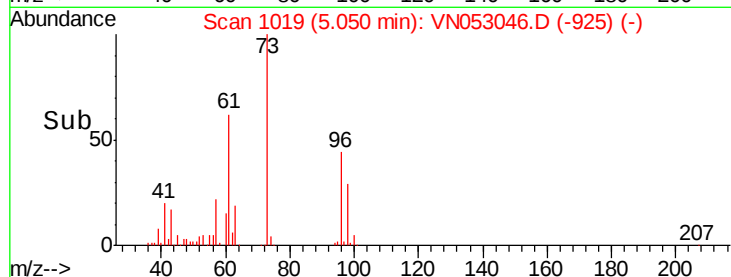
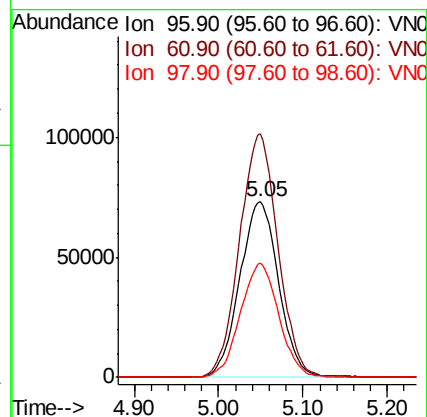
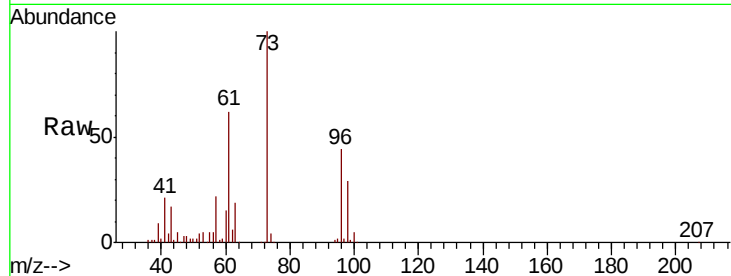




#21
trans-1,2-Dichloroethene
Concen: 19.797 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

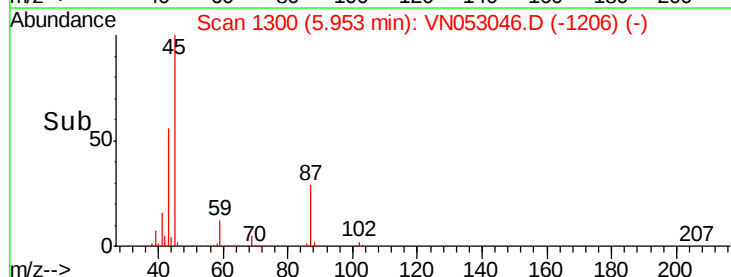
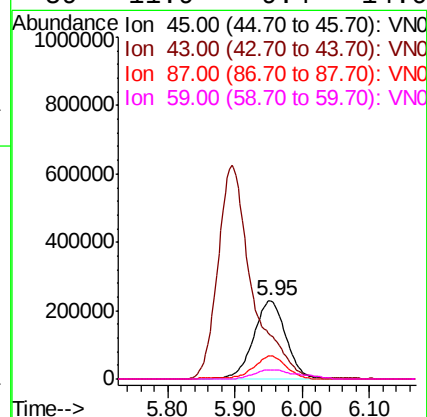
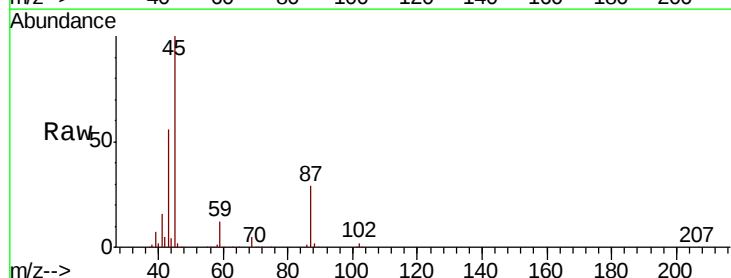
Instrument :
MSVOA_N
ClientSampled :
VN1220MBS01

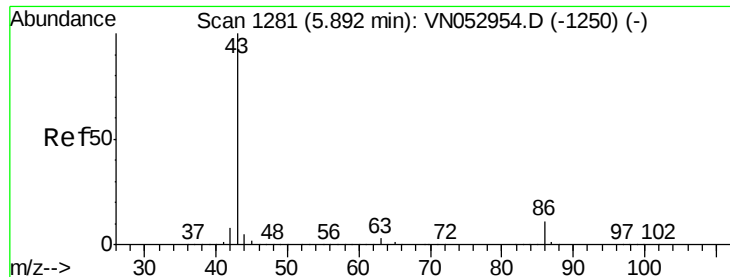
Tot Ion: 96 Resp: 234106
Ion Ratio Lower Upper
96 100
61 138.6 110.8 166.2
98 65.1 51.4 77.2



#22
Diisopropyl ether
Concen: 21.083 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 45 Resp: 767224
Ion Ratio Lower Upper
45 100
43 55.1 45.5 68.3
87 29.2 22.0 33.0
59 11.9 9.4 14.0





#23

Vinyl Acetate

Concen: 106.107 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

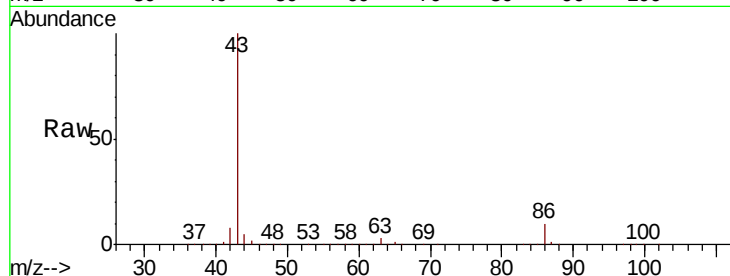
VN1220MBS01

Tot Ion: 43 Resp: 2220347

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

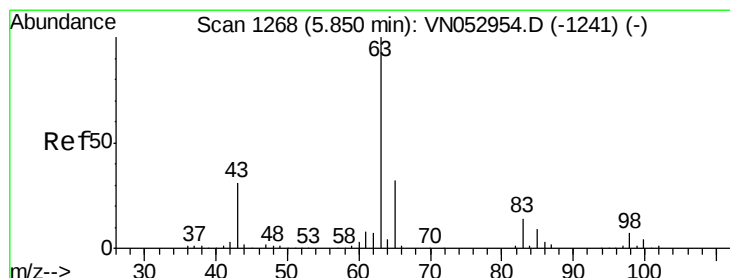
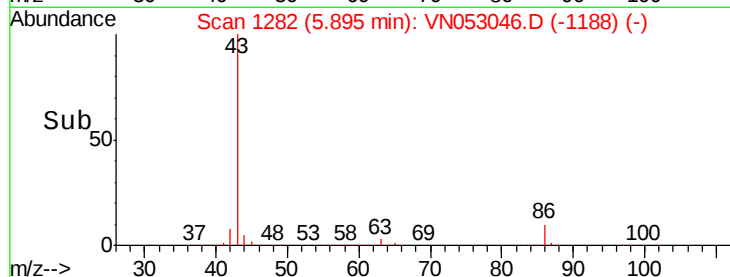
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.525 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

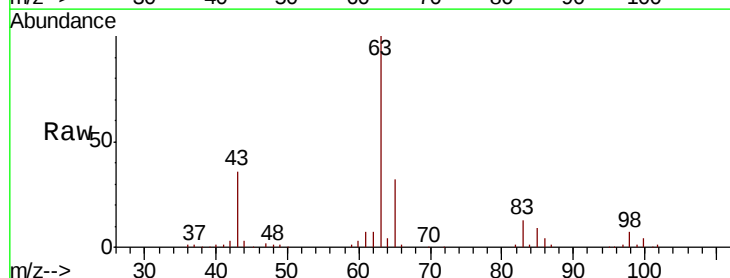
Tgt Ion: 63 Resp: 443845

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

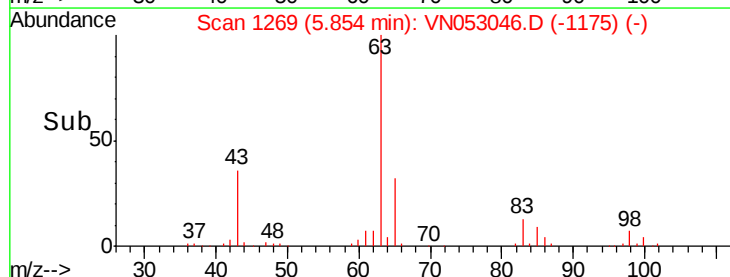
150000

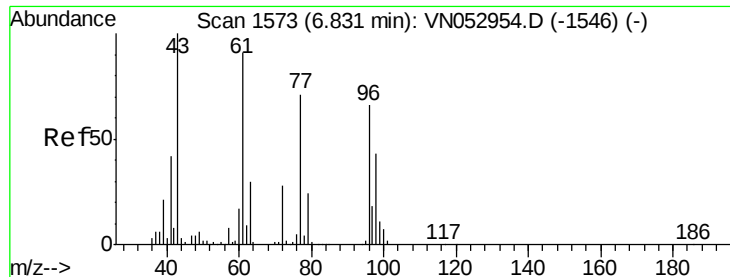
100000

50000

0

Time-->

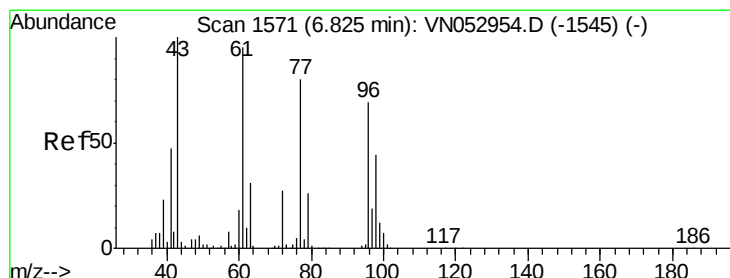
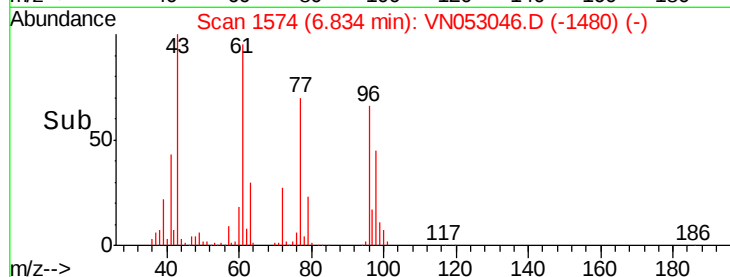
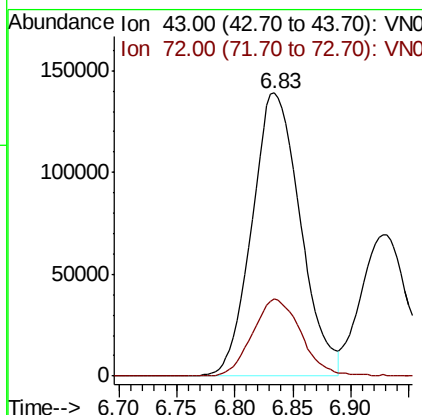
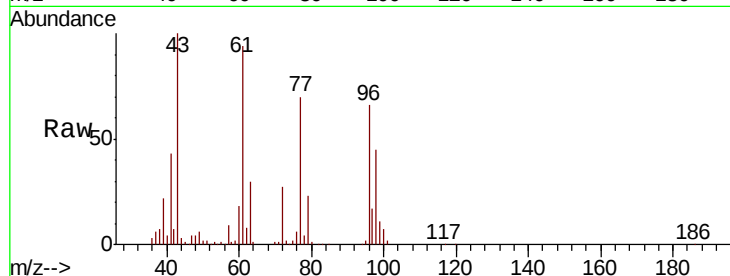




#25
2-Butanone
Concen: 104.454 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

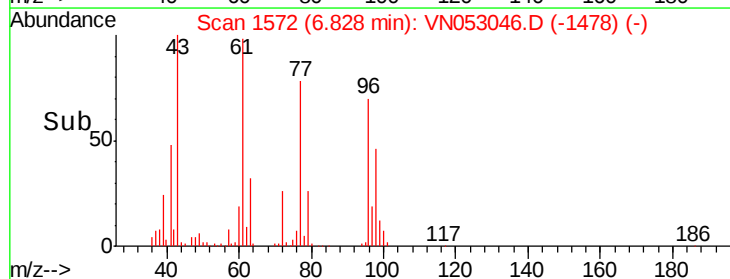
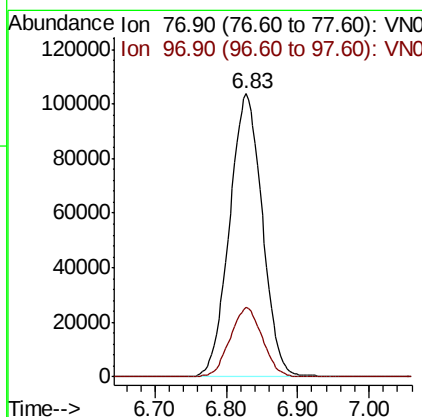
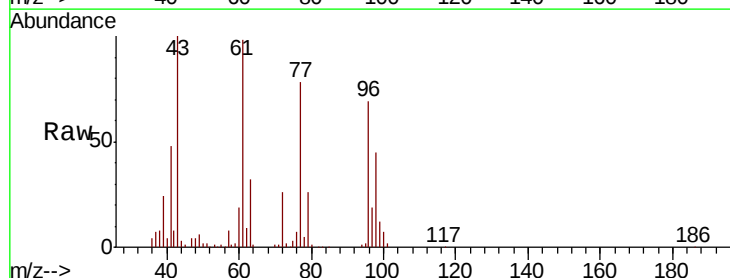
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

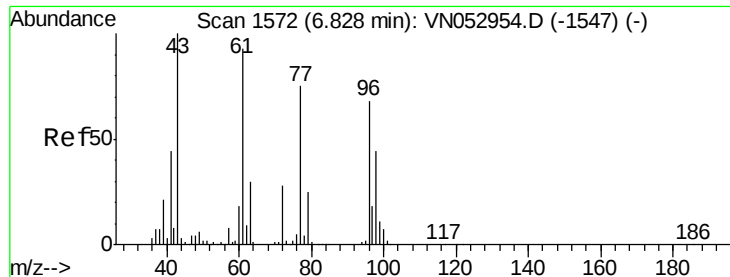
Tot Ion: 43 Resp: 402779
Ion Ratio Lower Upper
43 100
72 27.4 21.0 31.6



#26
2,2-Dichloropropane
Concen: 20.126 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 77 Resp: 332229
Ion Ratio Lower Upper
77 100
97 24.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.322 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

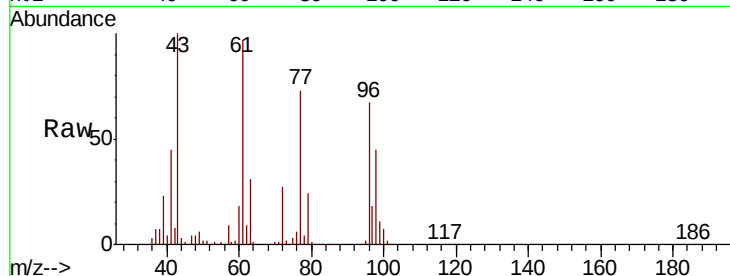
Tot Ion: 96 Resp: 272069

Ion Ratio Lower Upper

96 100

61 141.4 0.0 284.2

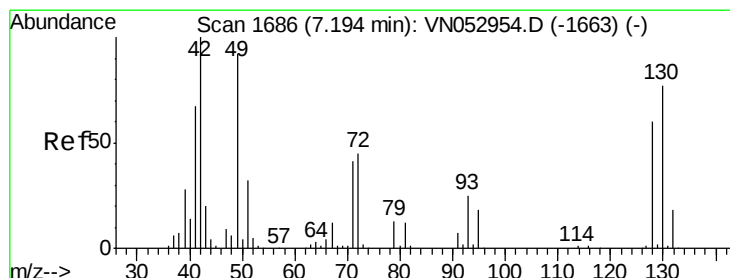
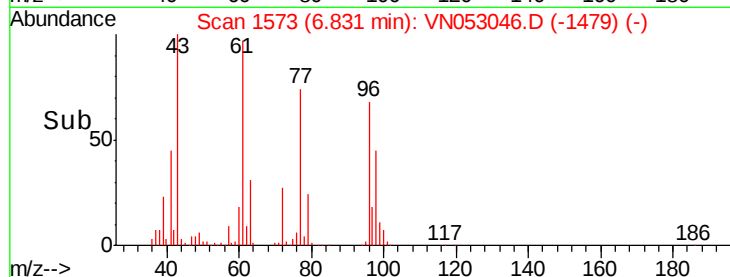
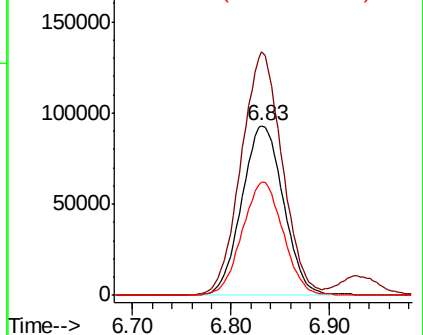
98 65.7 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.032 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

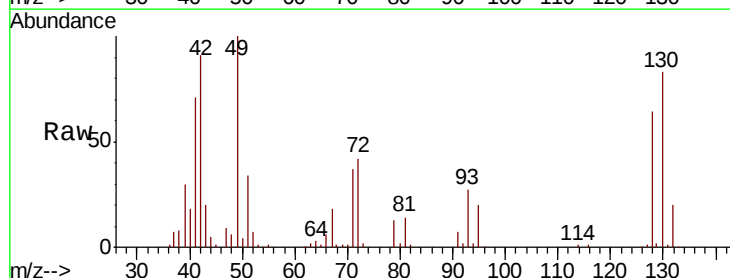
Tgt Ion: 49 Resp: 197075

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

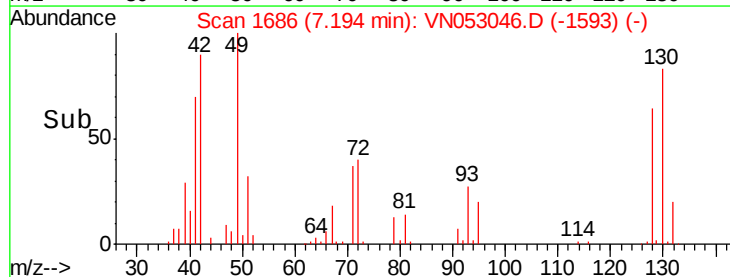
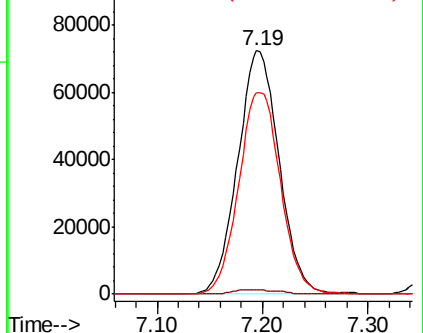
130 83.9 63.3 94.9

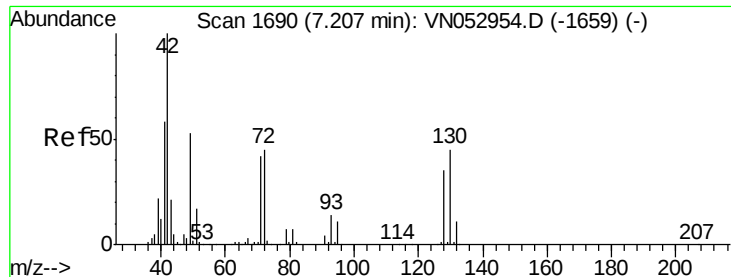


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

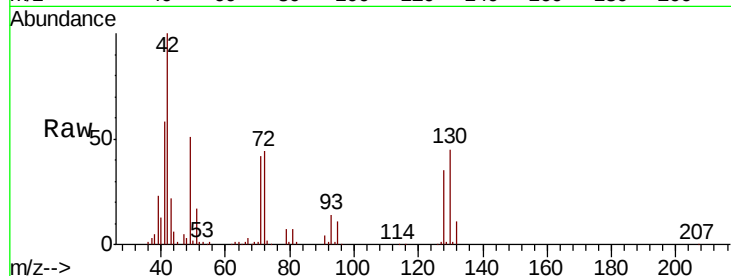




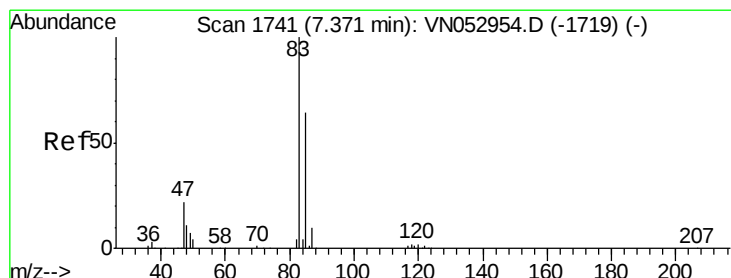
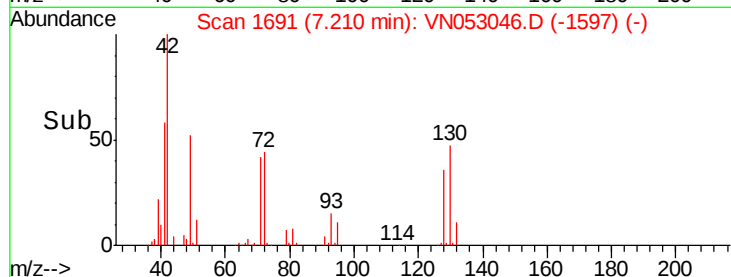
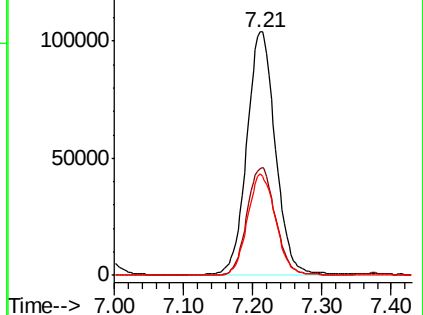
#29
Tetrahydrofuran
Concen: 103.014 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampled :
VN1220MBS01

Tot Ion: 42 Resp: 296677
Ion Ratio Lower Upper
42 100
72 44.1 34.7 52.1
71 40.9 32.3 48.5

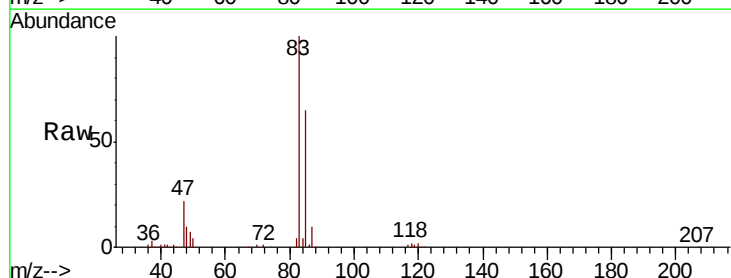


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

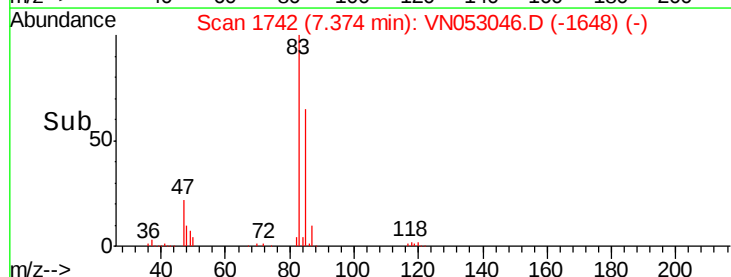
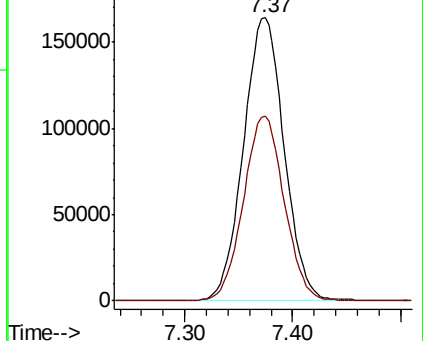


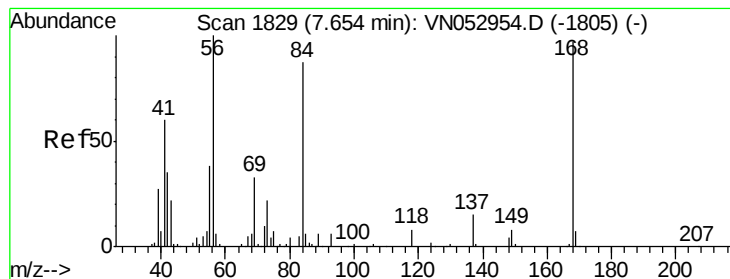
#30
Chloroform
Concen: 20.261 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 83 Resp: 430401
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: 19.934 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampled :

VN1220MBS01

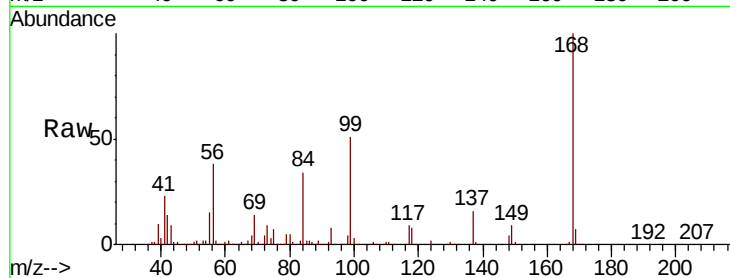
Tot Ion: 56 Resp: 417091

Ion Ratio Lower Upper

56 100

69 38.3 26.6 39.8

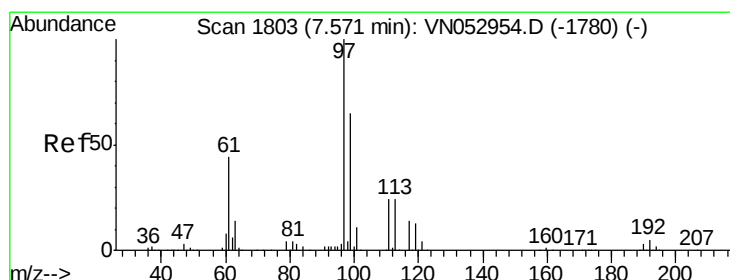
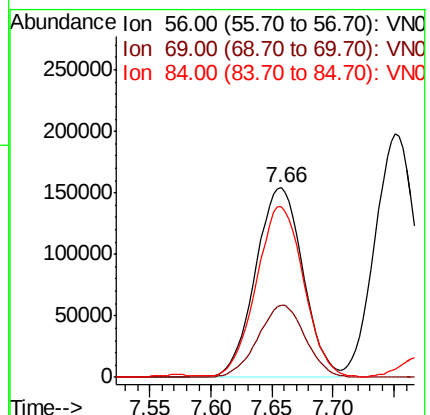
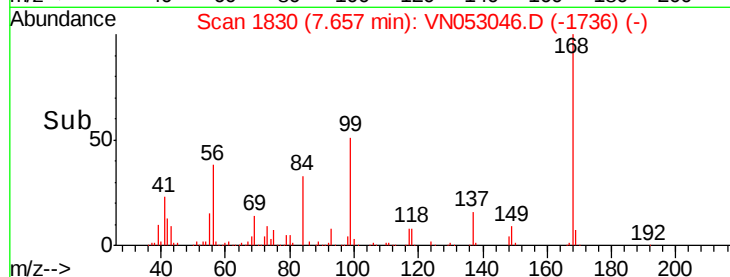
84 88.8 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053046.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053046.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053046.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 19.760 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

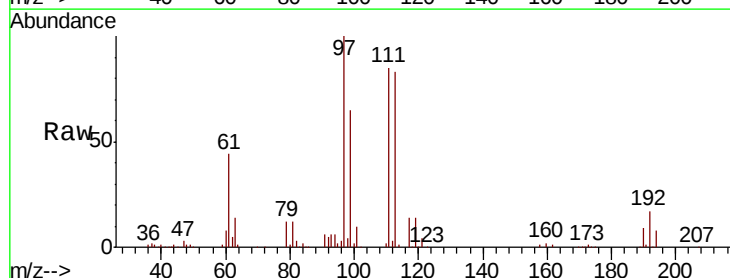
Tgt Ion: 97 Resp: 357579

Ion Ratio Lower Upper

97 100

99 65.5 51.1 76.7

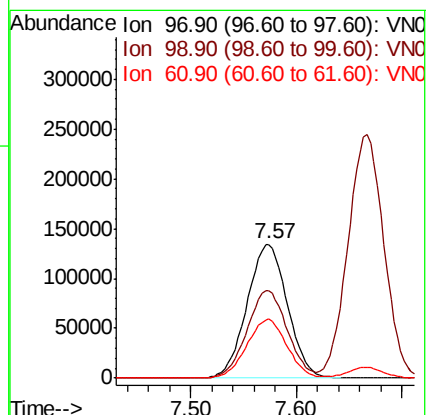
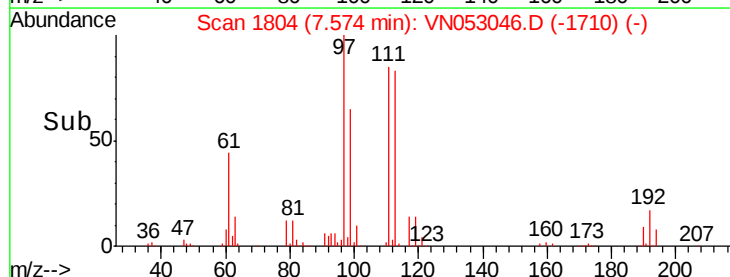
61 43.8 35.0 52.6

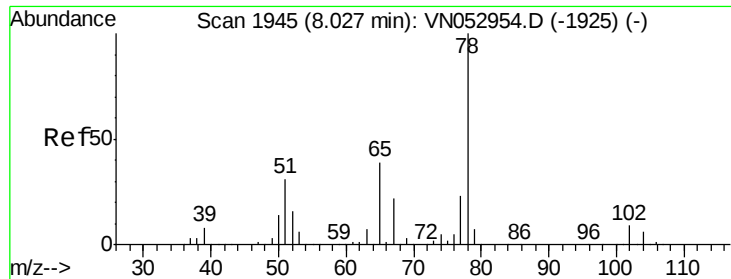


Abundance Ion 96.90 (96.60 to 97.60): VN053046.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053046.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053046.D (-1710) (-)

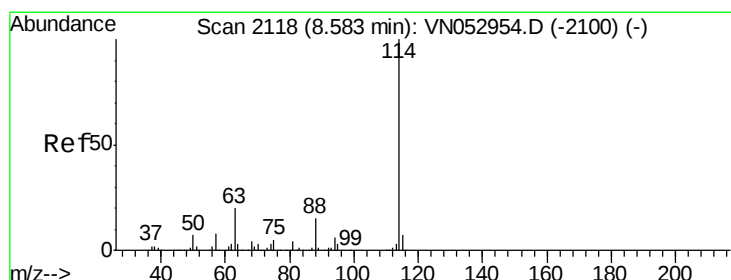
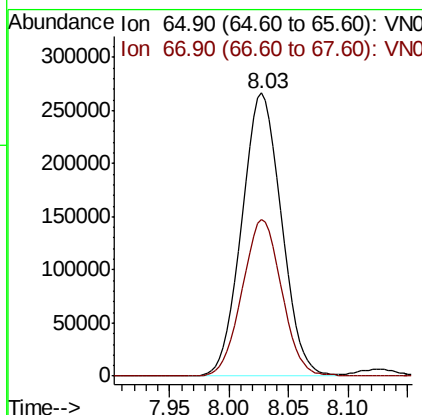
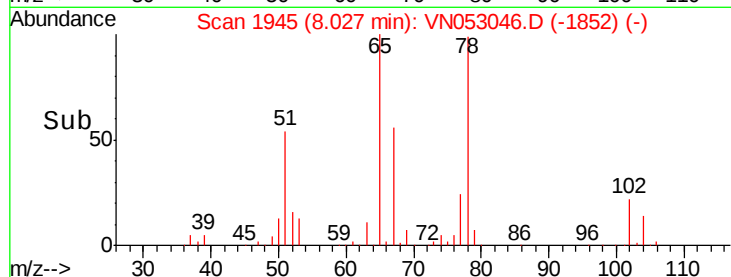
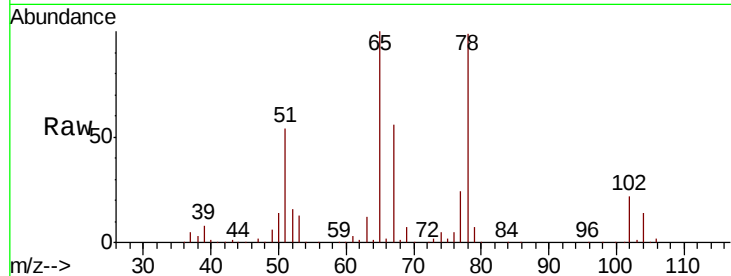




#33
 1,2-Dichloroethane-d4
 Concen: 19.760 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

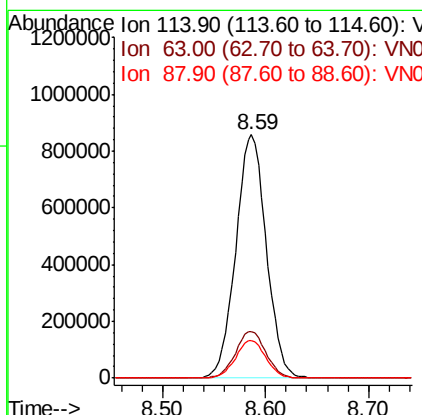
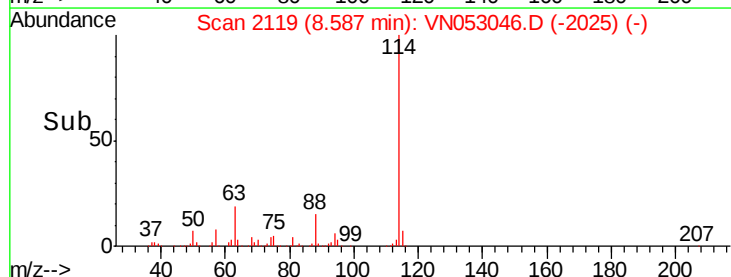
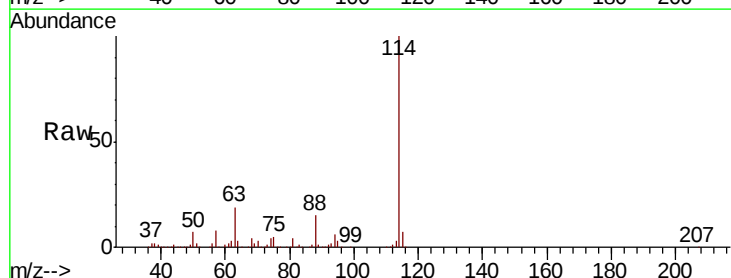
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

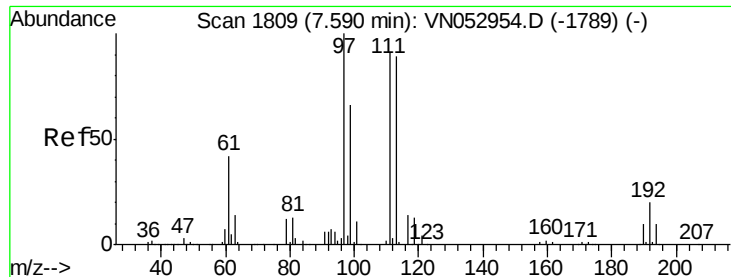
Tot Ion: 65 Resp: 616072
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion: 114 Resp: 1763093
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.4 0.0 31.0

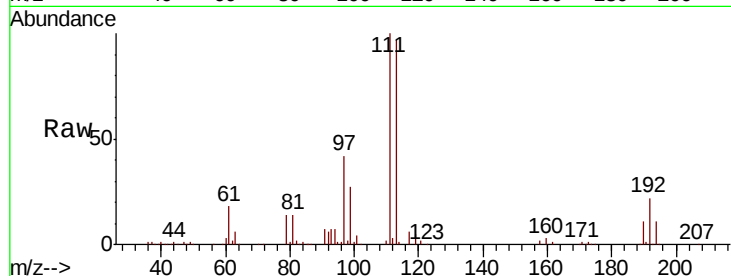




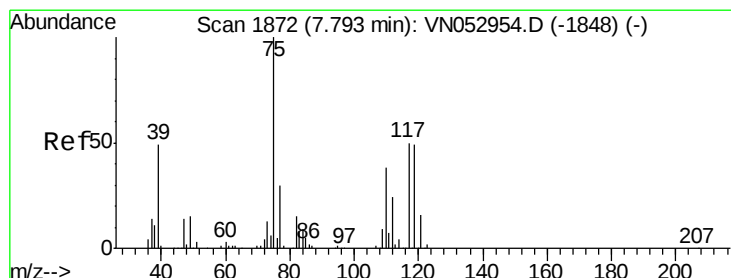
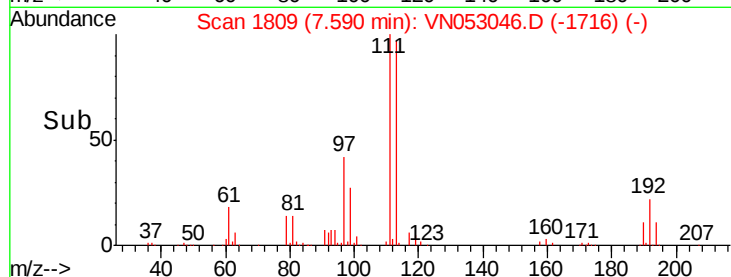
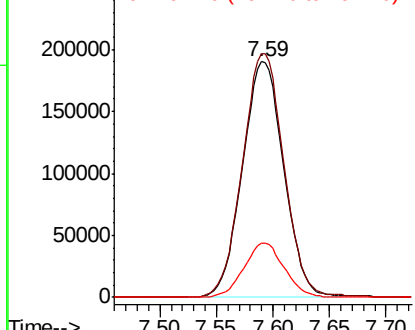
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion:113 Resp: 483197
Ion Ratio Lower Upper
113 100
111 104.2 83.0 124.4
192 22.5 17.5 26.3

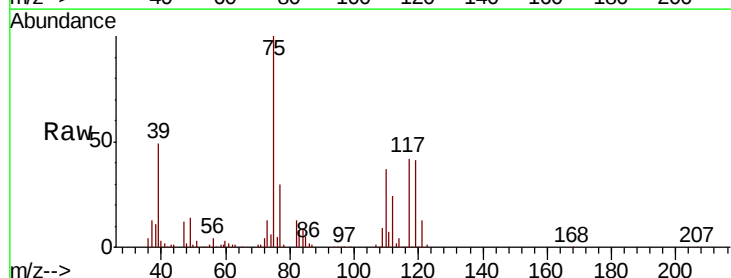


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

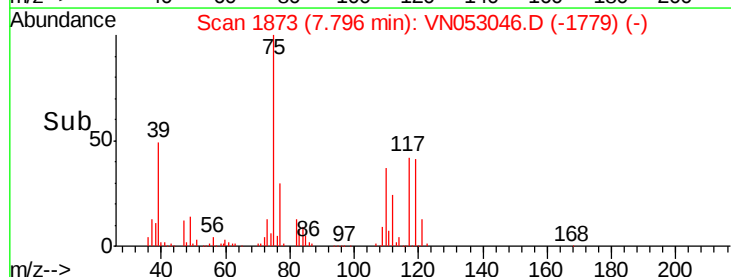
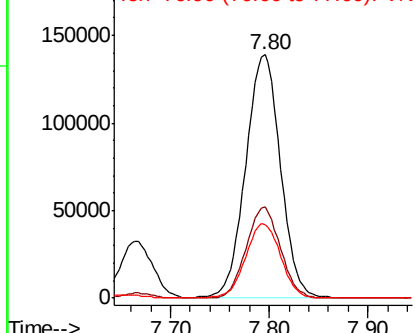


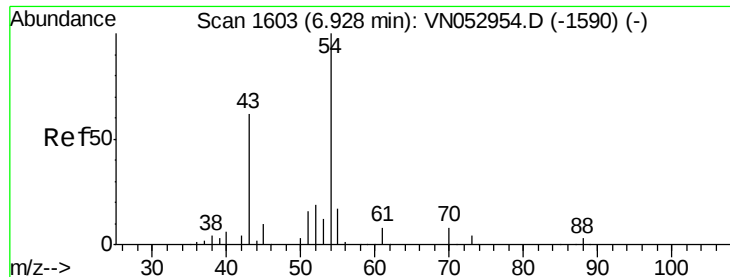
#36
1,1-Dichloropropene
Concen: 19.907 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 75 Resp: 336882
Ion Ratio Lower Upper
75 100
110 37.0 18.2 54.6
77 30.9 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

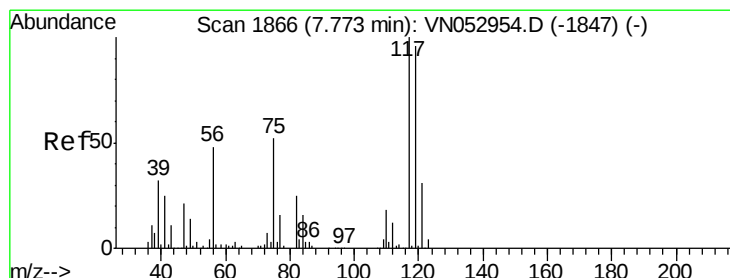
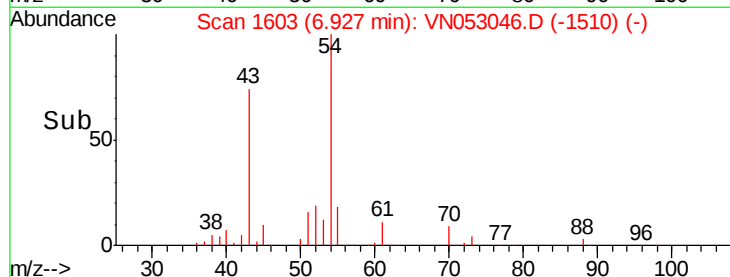
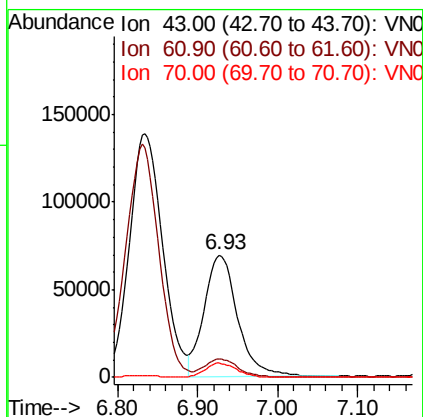
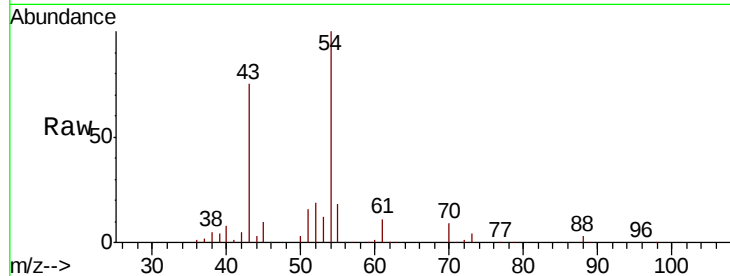




#37
Ethyl Acetate
Concen: 21.522 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

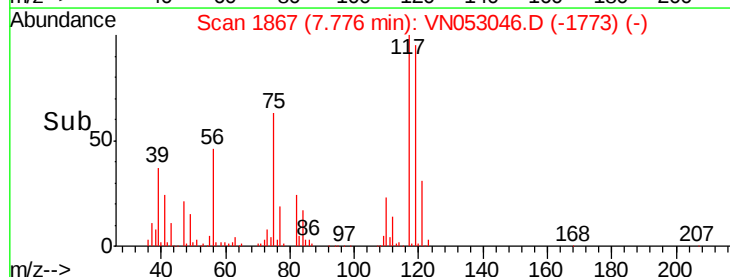
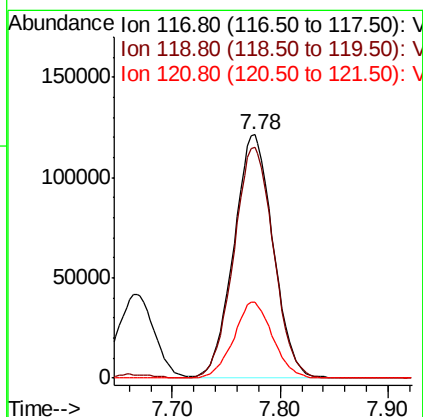
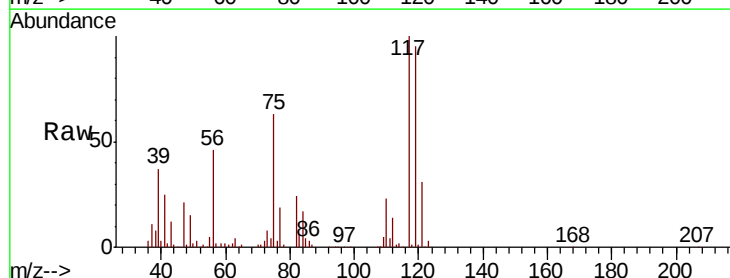
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

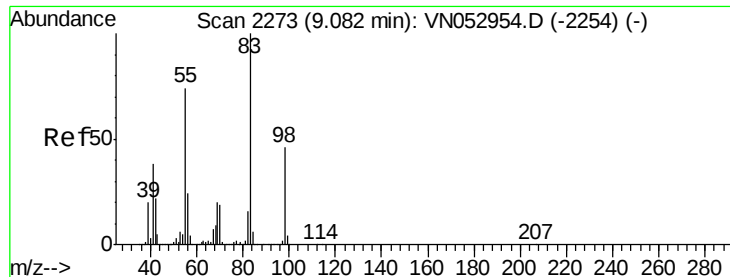
Tot Ion: 43 Resp: 203321
Ion Ratio Lower Upper
43 100
61 14.4 11.8 17.6
70 11.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.809 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 117 Resp: 307262
Ion Ratio Lower Upper
117 100
119 95.0 77.1 115.7
121 31.2 24.9 37.3

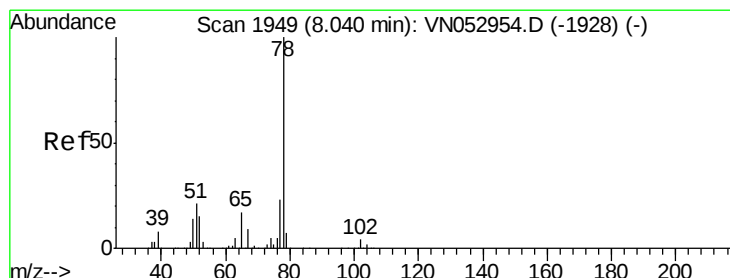
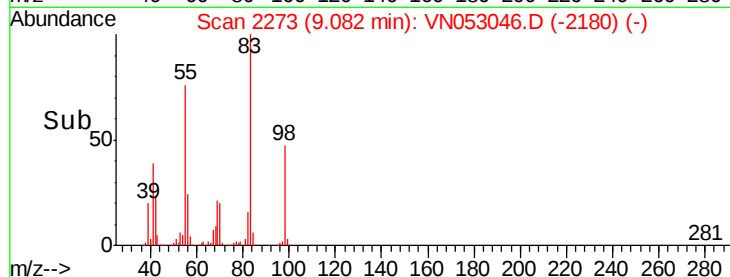
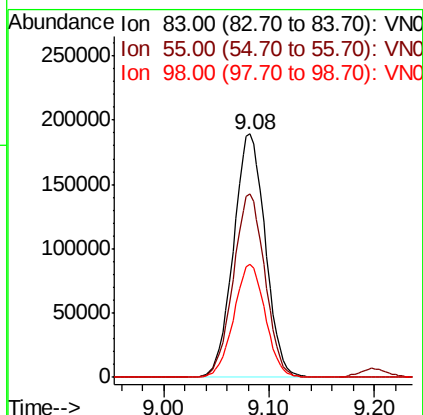
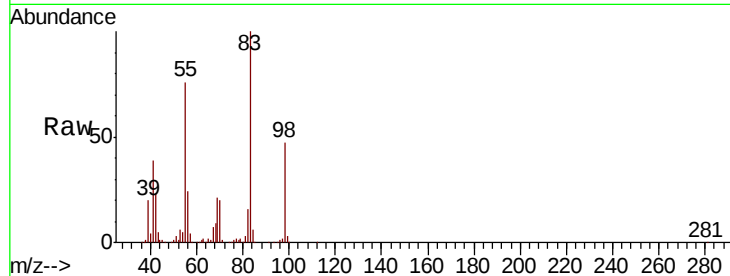




#39
Methvlcvclohexane
Concen: 19.266 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

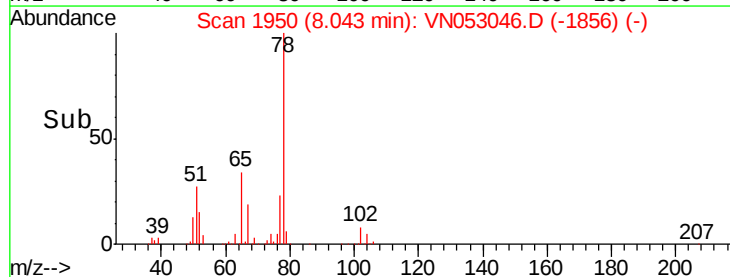
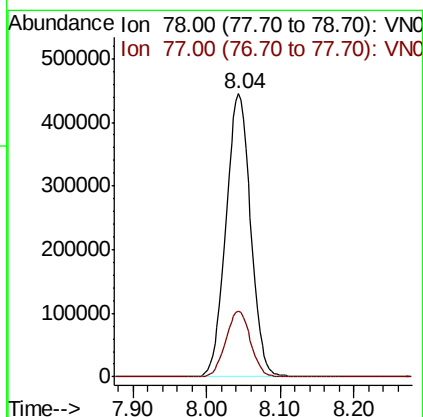
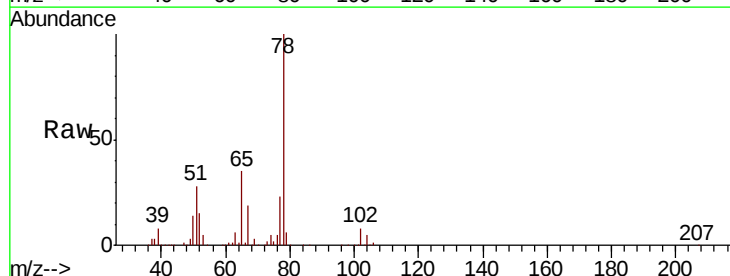
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

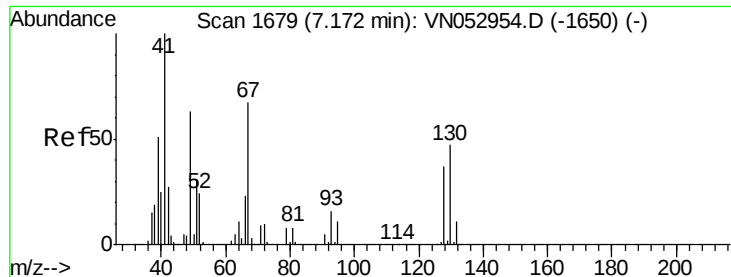
Tot Ion: 83 Resp: 396070
Ion Ratio Lower Upper
83 100
55 75.6 61.3 91.9
98 46.6 37.0 55.4



#40
Benzene
Concen: 20.541 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 78 Resp: 1033943
Ion Ratio Lower Upper
78 100
77 23.2 18.5 27.7

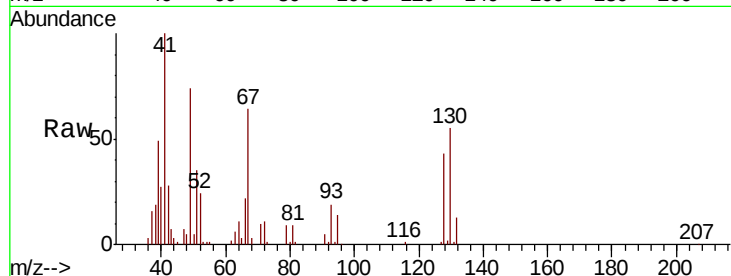




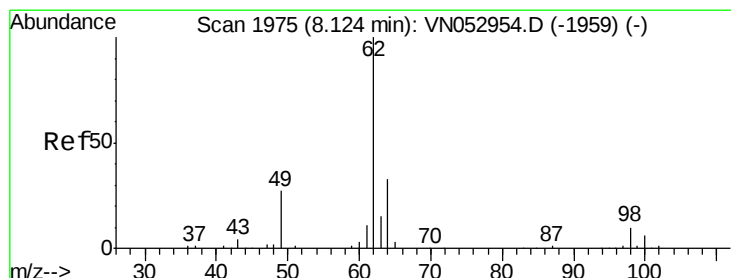
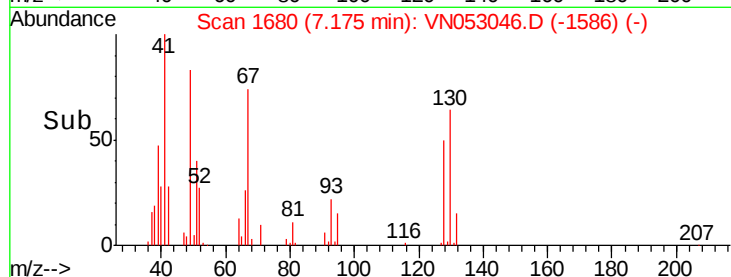
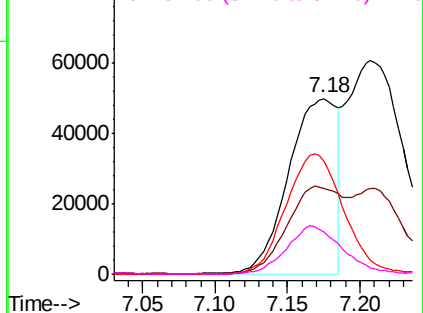
#41
Methacrylonitrile
Concen: 21.266 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion:	41	Resp:	116079
Ion	Ratio	Lower	Upper
41	100		
39	57.7	48.0	72.0
67	82.3	70.3	105.5
52	32.1	26.9	40.3

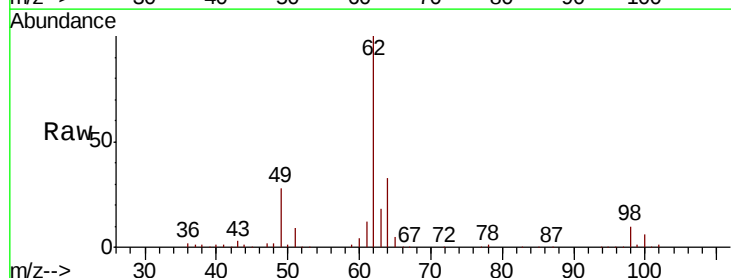


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

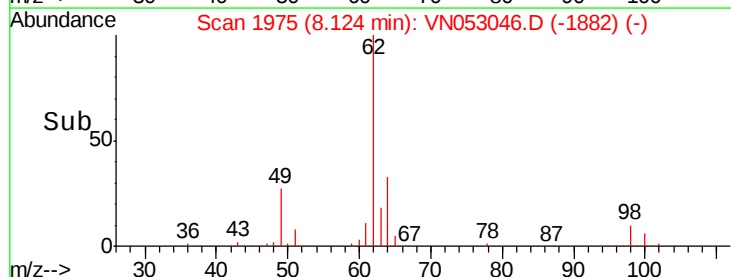
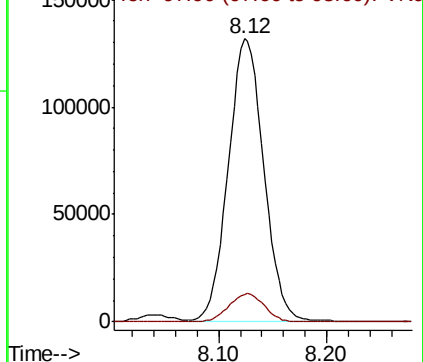


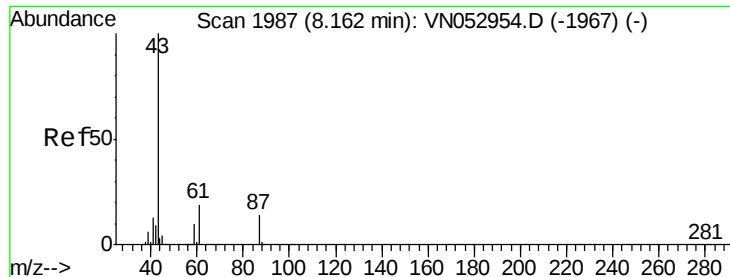
#42
1,2-Dichloroethane
Concen: 20.226 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion:	62	Resp:	300762
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0



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





#43

Isopropyl Acetate

Concen: 19.868 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

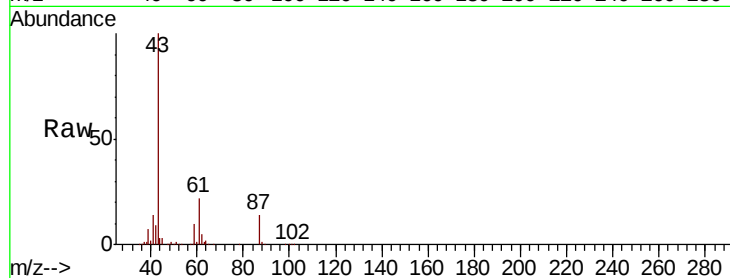
Tot Ion: 43 Resp: 374730

Ion Ratio Lower Upper

43 100

61 28.9 22.9 34.3

87 13.6 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) (-)

8.16

200000

150000

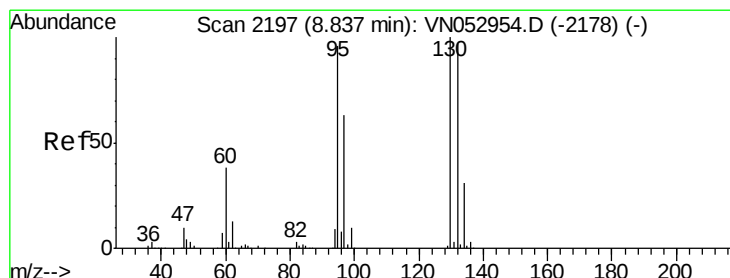
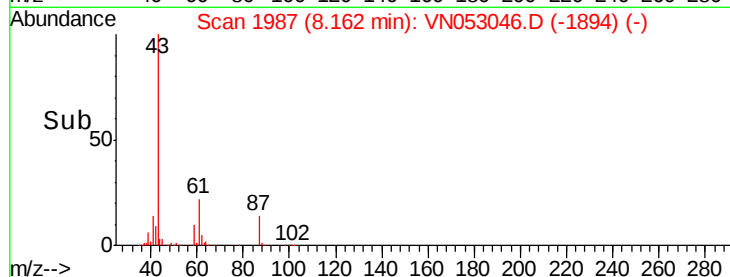
100000

50000

0

8.10 8.20

Time-->



#44

Trichloroethene

Concen: 19.890 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053046.D

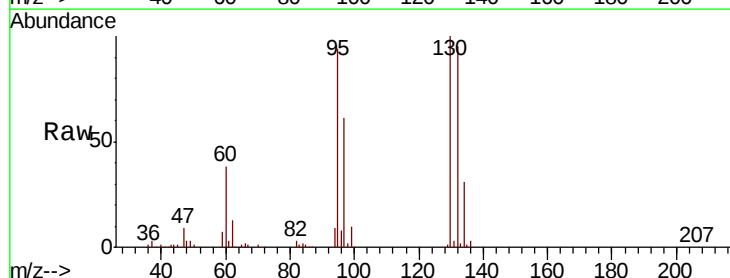
Acq: 20 Dec 2018 10:34

Tgt Ion:130 Resp: 289580

Ion Ratio Lower Upper

130 100

95 94.1 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) (-)

8.84

150000

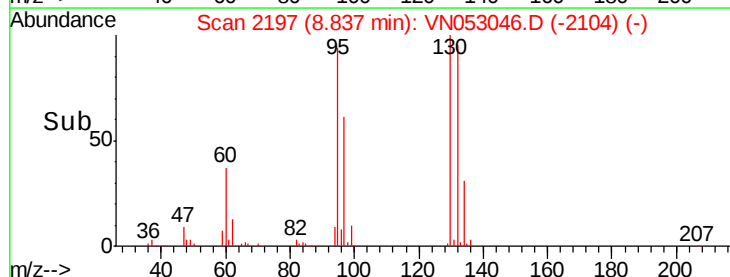
100000

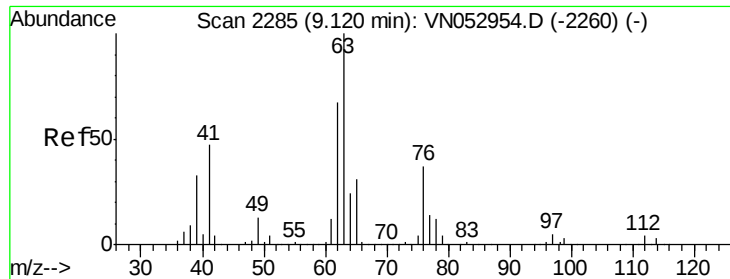
50000

0

8.75 8.80 8.85 8.90

Time-->

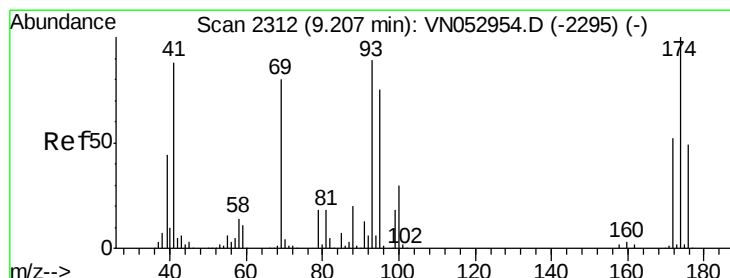
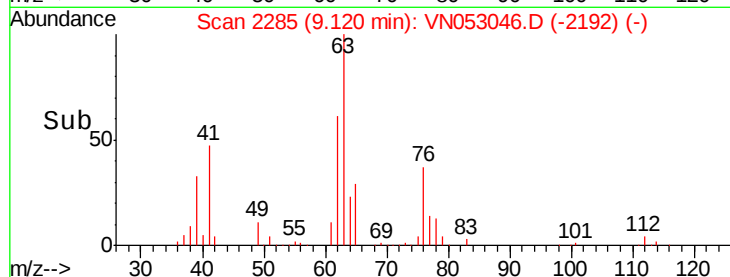
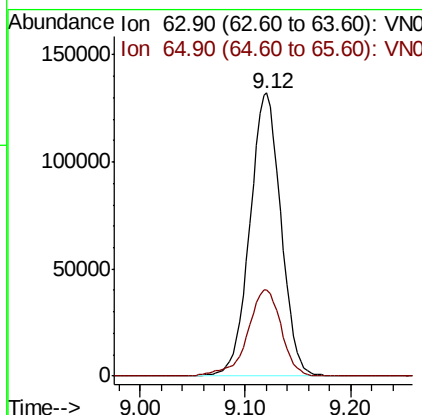
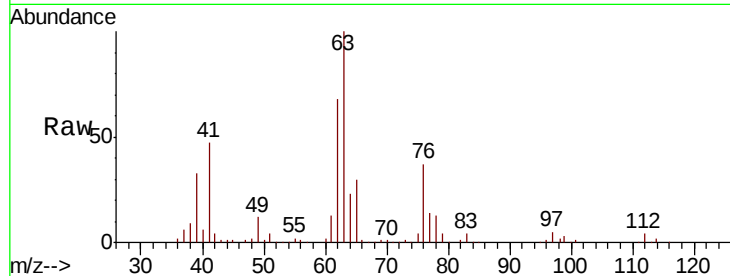




#45
 1,2-Dichloropropane
 Concen: 20.739 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

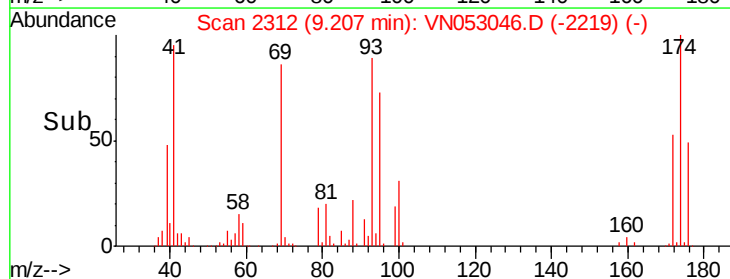
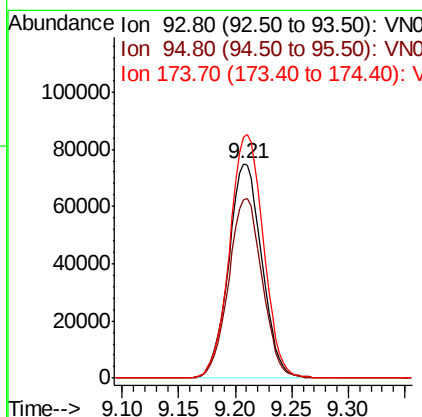
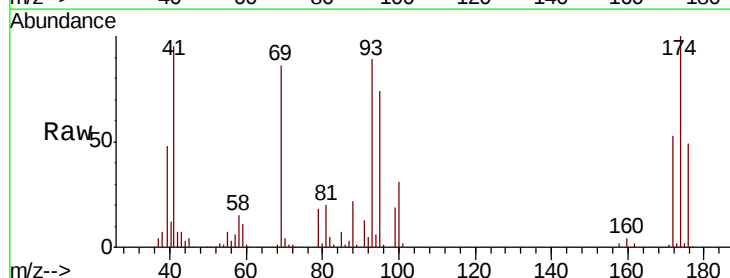
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

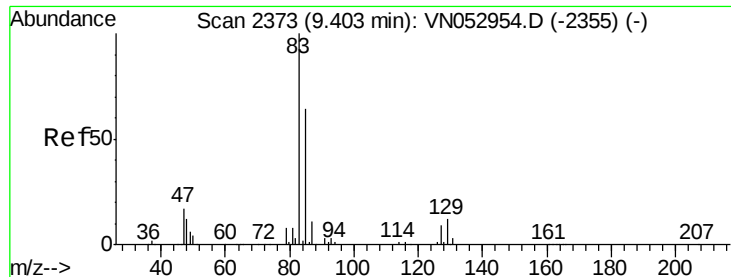
Tot Ion: 63 Resp: 271909
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 37.0



#46
 Dibromomethane
 Concen: 20.145 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion: 93 Resp: 153865
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.8 101.6
 174 115.1 89.0 133.4





#47

Bromodichloromethane

Concen: 19.957 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

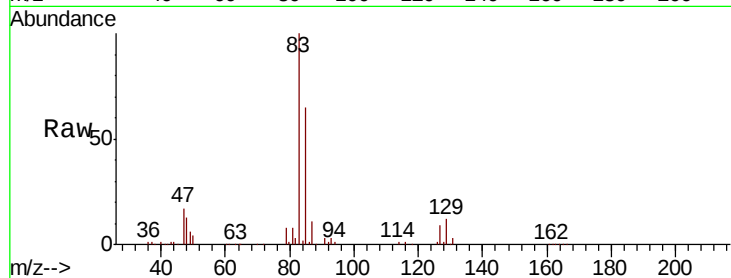
Tot Ion: 83 Resp: 324010

Ion Ratio Lower Upper

83 100

85 65.4 51.6 77.4

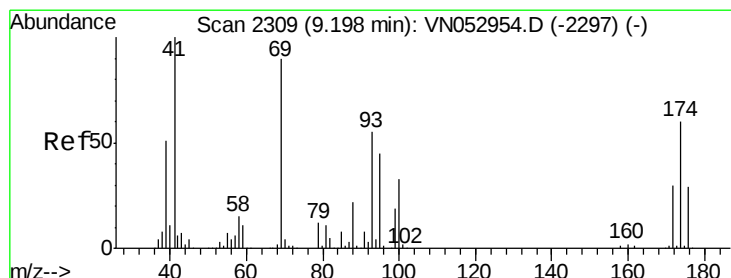
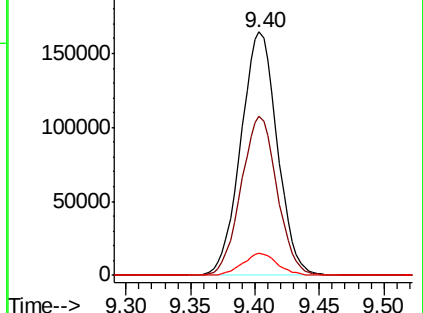
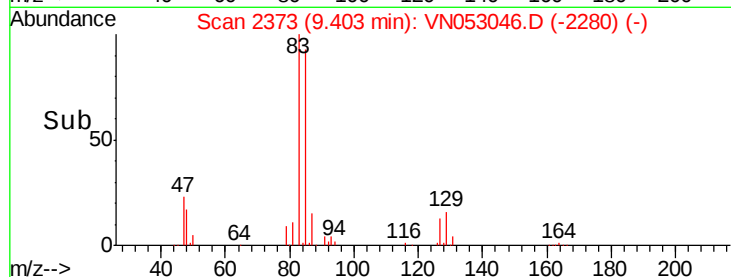
127 8.9 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053046.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053046.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053046.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.064 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

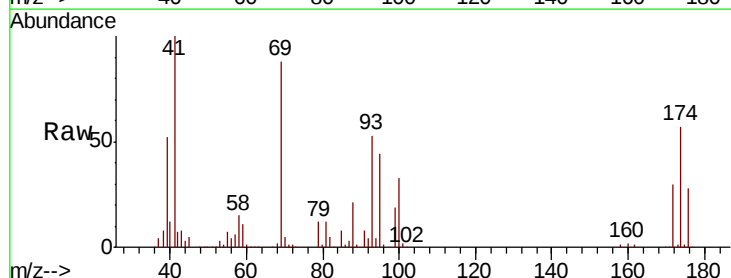
Tgt Ion: 41 Resp: 183931

Ion Ratio Lower Upper

41 100

69 92.3 72.2 108.2

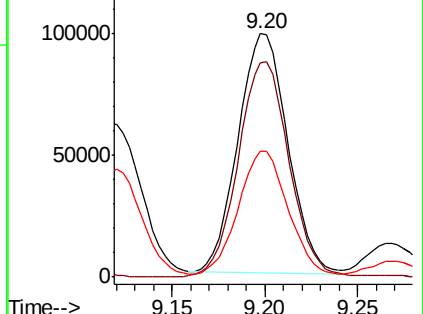
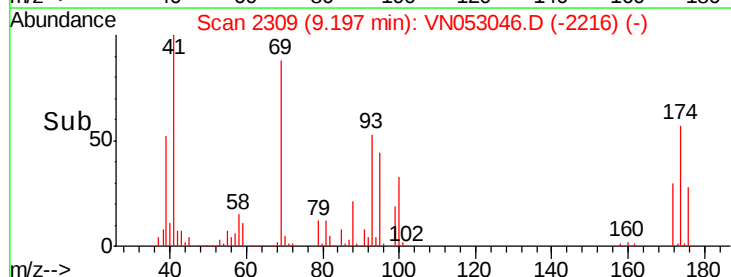
39 53.1 41.9 62.9

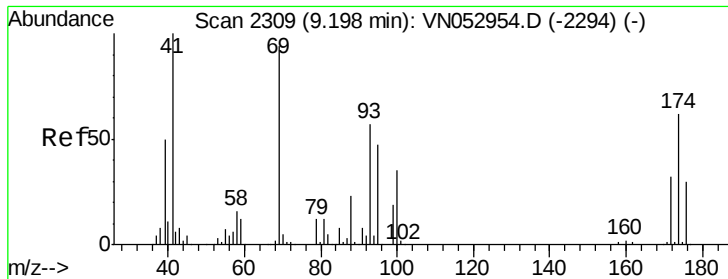


Abundance Ion 41.00 (40.70 to 41.70): VN053046.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053046.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053046.D (-2216) (-)





#49

1,4-Dioxane

Concen: 384.330 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

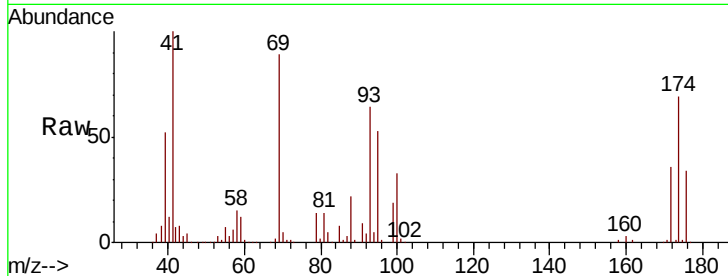
Tot Ion: 88 Resp: 44567

Ion Ratio Lower Upper

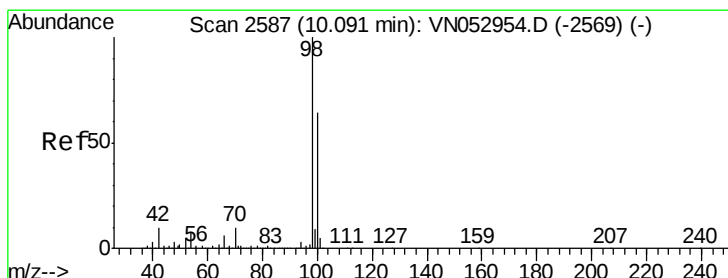
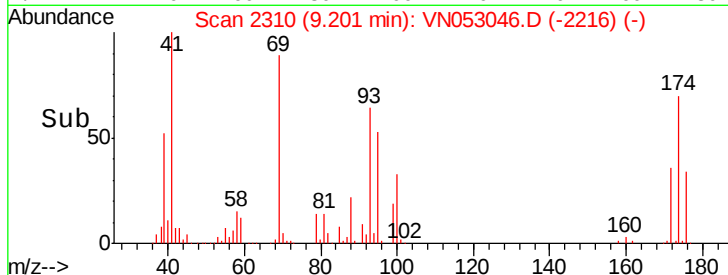
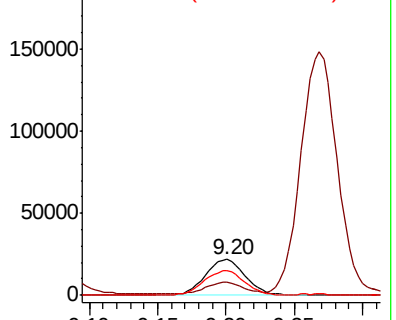
88 100

43 31.2 26.6 40.0

58 70.8 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: 384.330 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053046.D

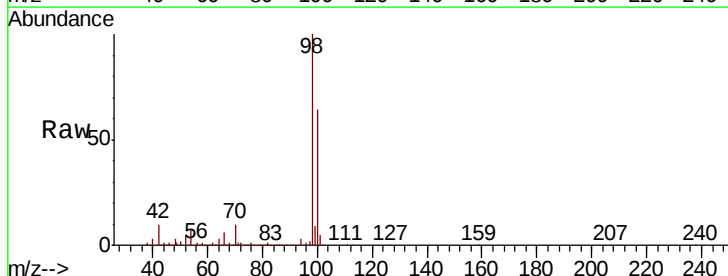
Acq: 20 Dec 2018 10:34

Tgt Ion: 98 Resp: 2287619

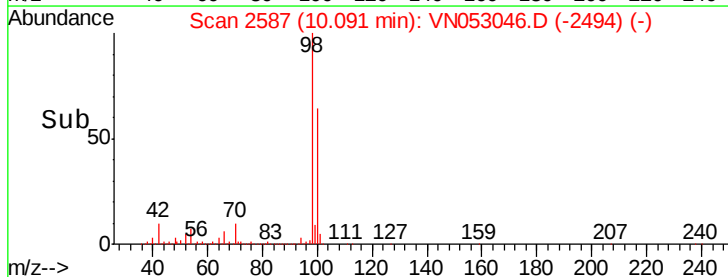
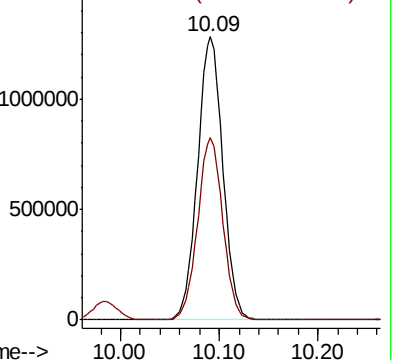
Ion Ratio Lower Upper

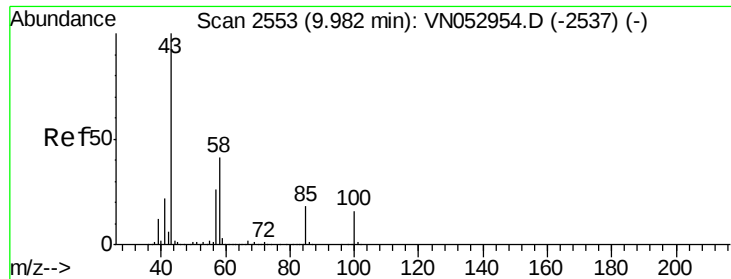
98 100

100 64.2 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: 106.168 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

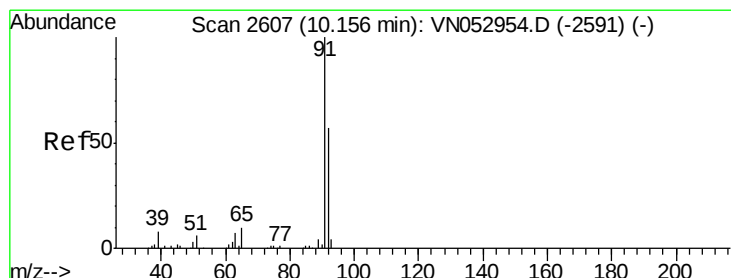
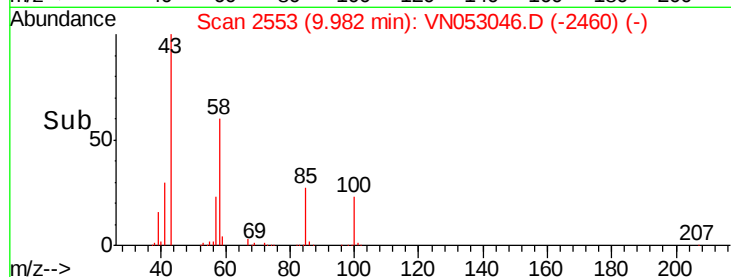
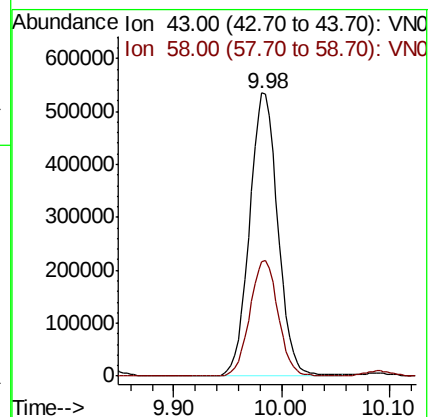
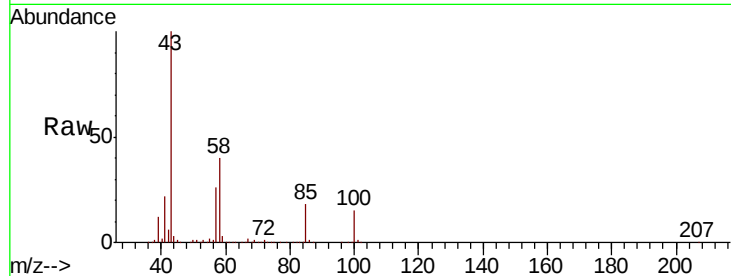
VN1220MBS01

Tot Ion: 43 Resp: 971303

Ion Ratio Lower Upper

43 100

58 40.9 32.2 48.4



#52

Toluene

Concen: 20.593 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053046.D

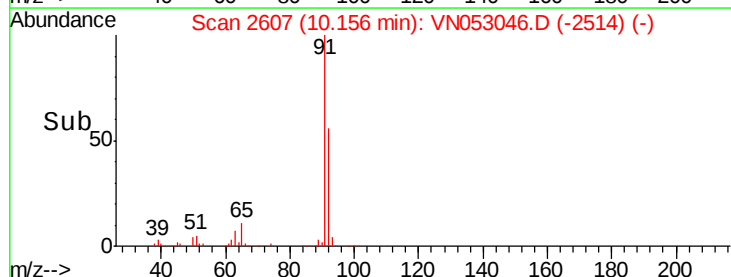
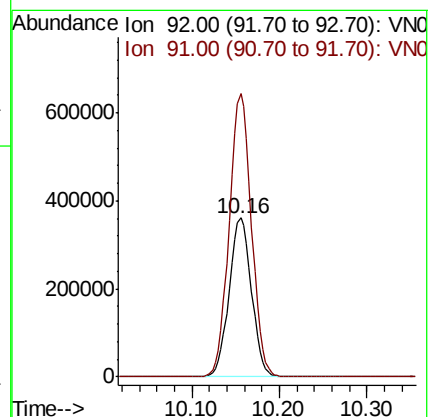
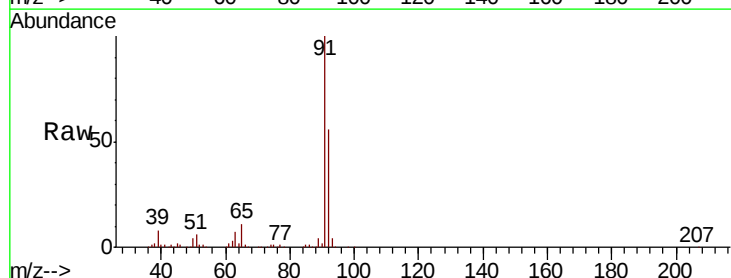
Acq: 20 Dec 2018 10:34

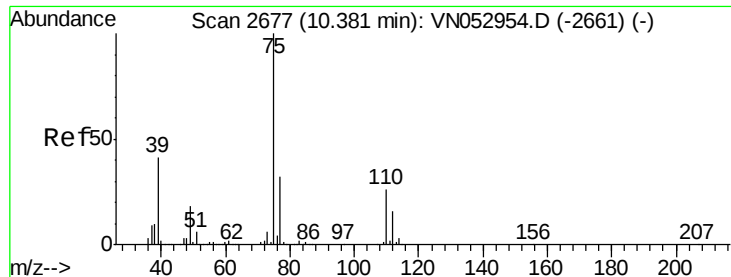
Tgt Ion: 92 Resp: 642507

Ion Ratio Lower Upper

92 100

91 176.7 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 19.309 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

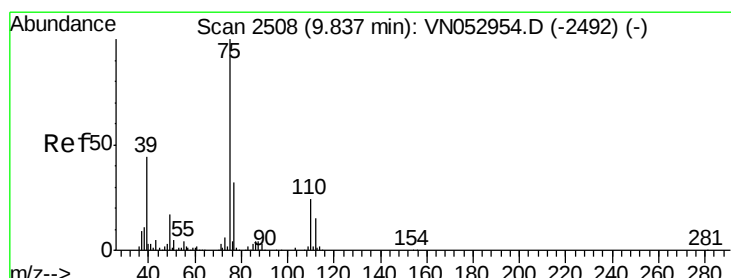
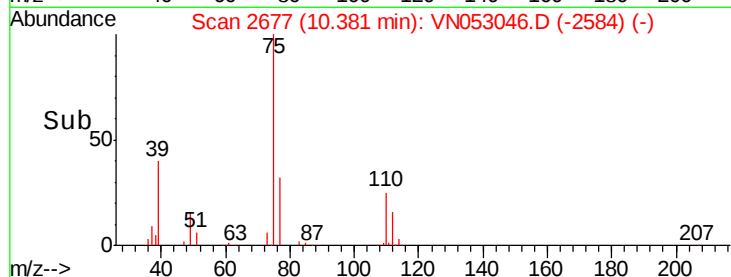
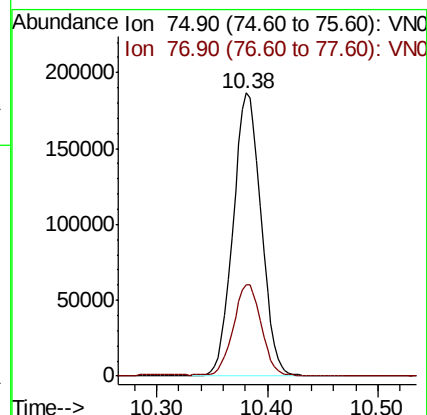
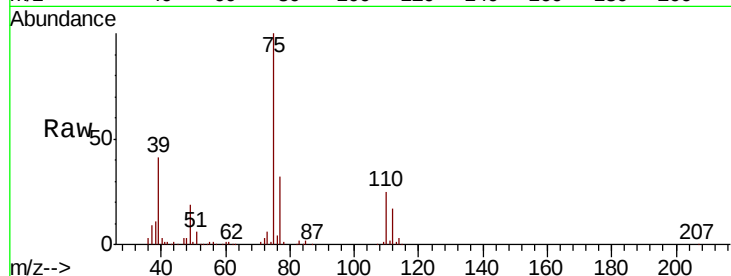
VN1220MBS01

Tot Ion: 75 Resp: 329652

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 20.141 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

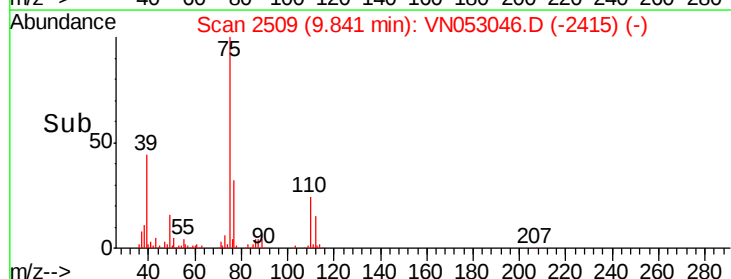
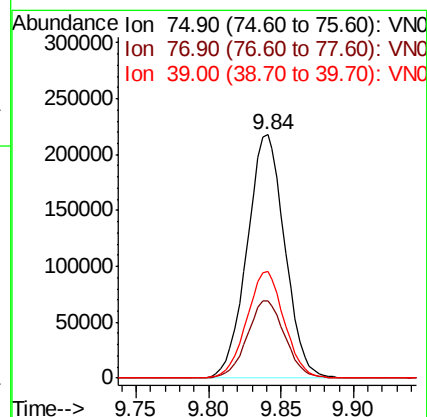
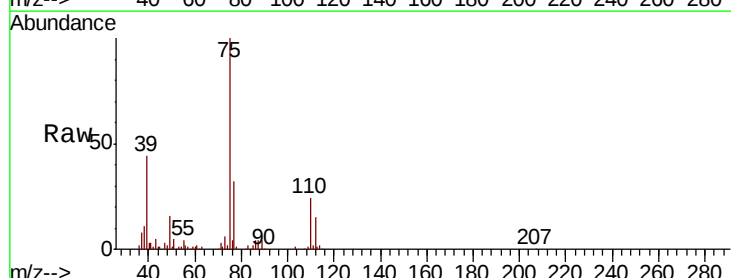
Tgt Ion: 75 Resp: 394682

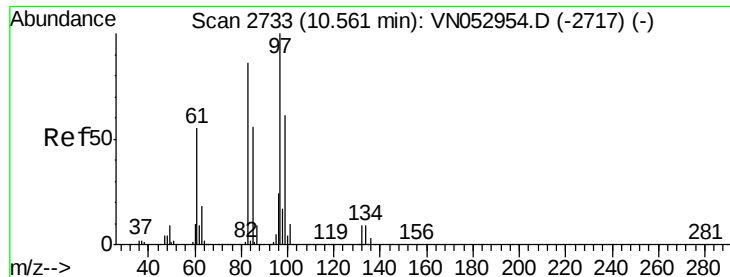
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 43.7 34.8 52.2

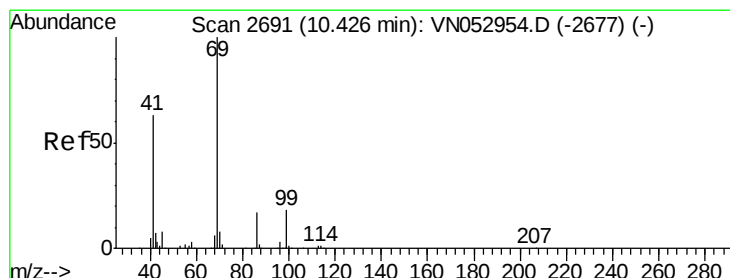
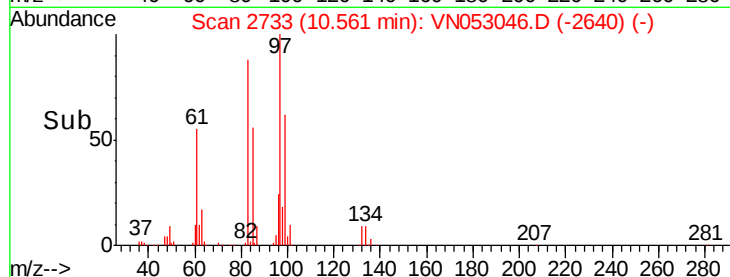
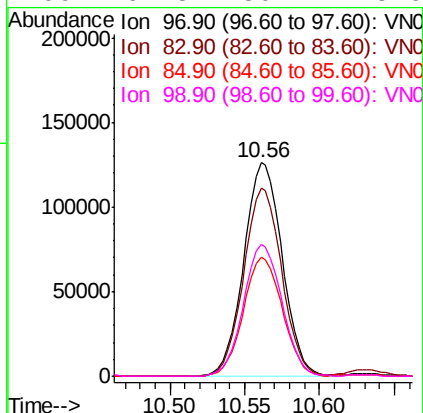
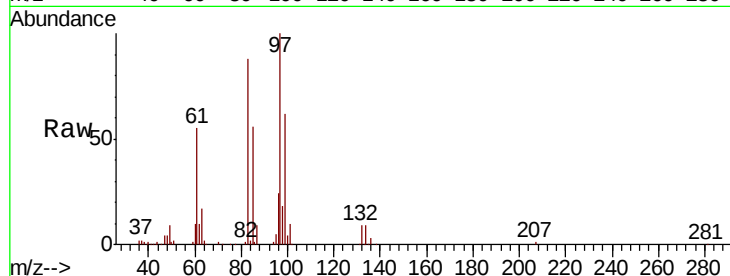




#55
 1,1,2-Trichloroethane
 Concen: 20.736 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

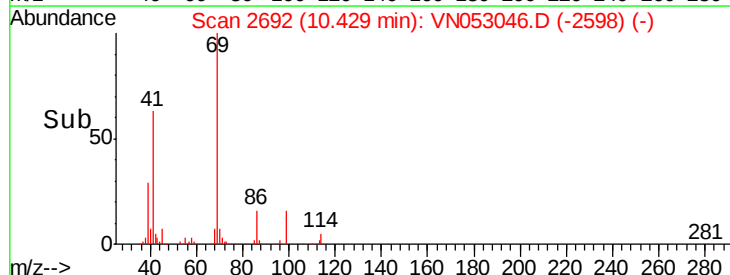
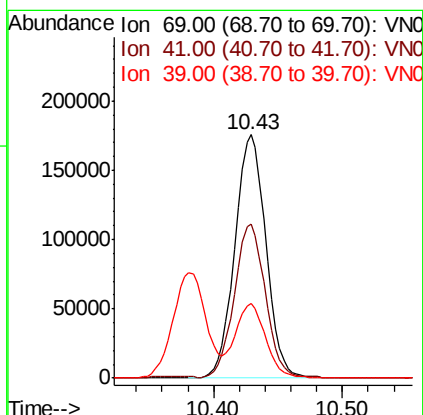
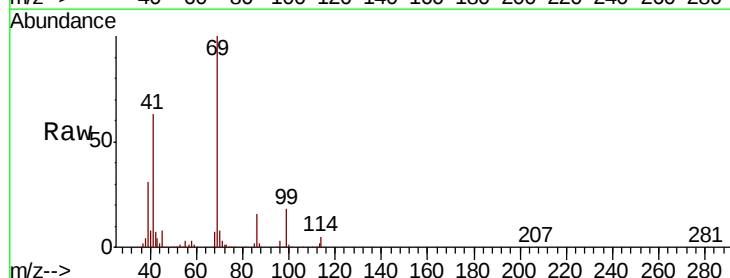
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

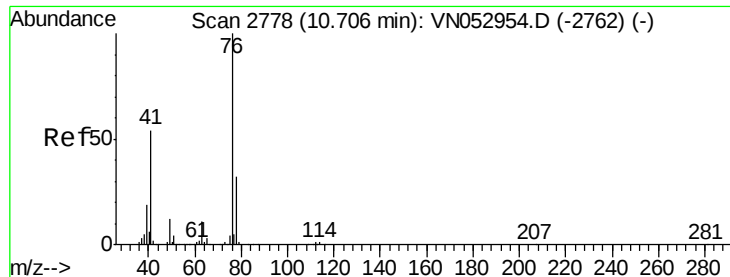
Tot Ion:	97	Resp:	225702
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.9	106.3
85	55.6	45.4	68.2
99	61.8	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 20.420 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion:	69	Resp:	294183
Ion	Ratio	Lower	Upper
69	100		
41	62.7	51.7	77.5
39	29.9	24.6	37.0





#57

1,3-Dichloropropane

Concen: 20.766 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

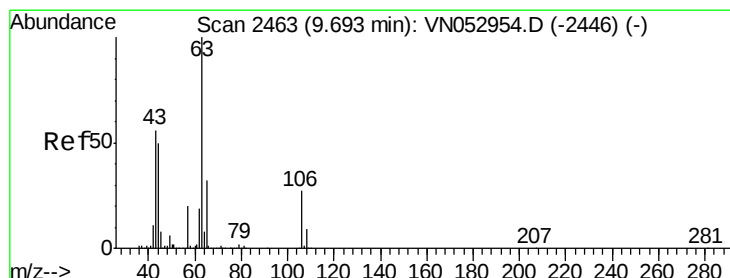
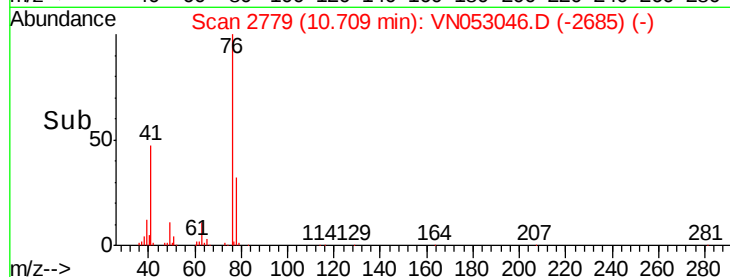
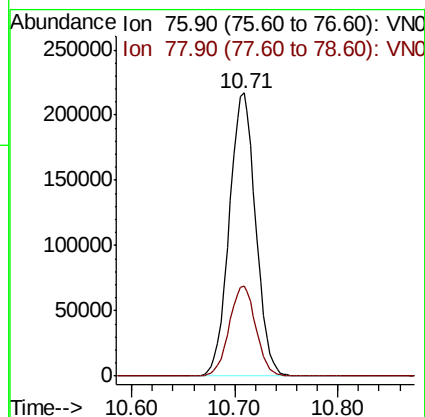
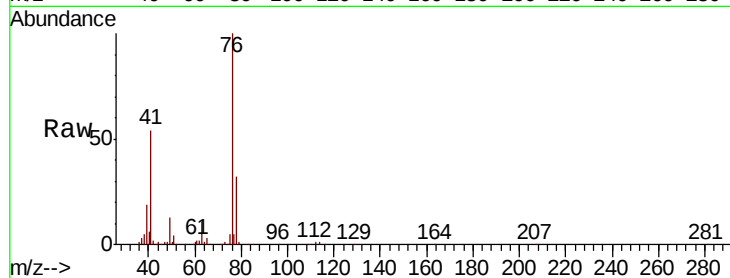
VN1220MBS01

Tot Ion: 76 Resp: 387591

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 104.119 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053046.D

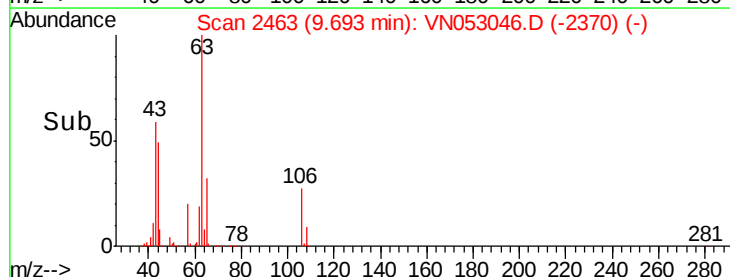
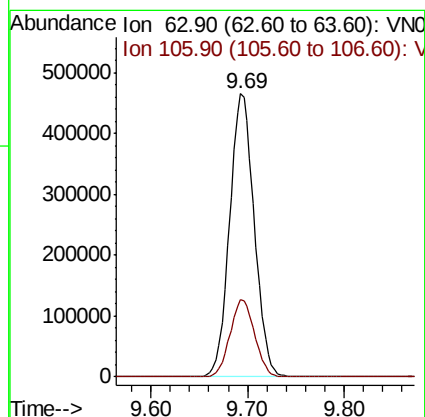
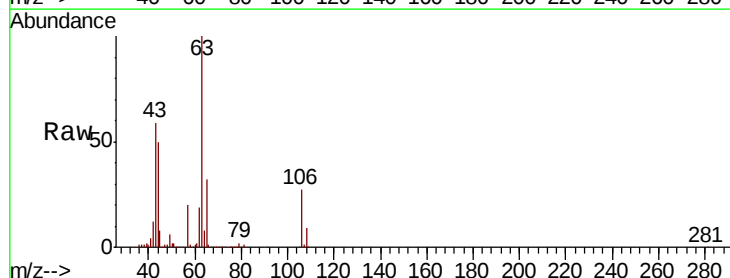
Acq: 20 Dec 2018 10:34

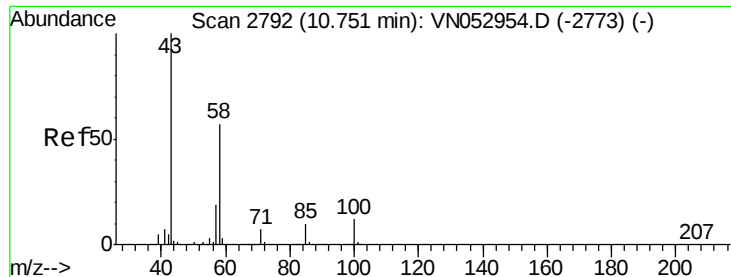
Tgt Ion: 63 Resp: 823505

Ion Ratio Lower Upper

63 100

106 27.3 21.0 31.6

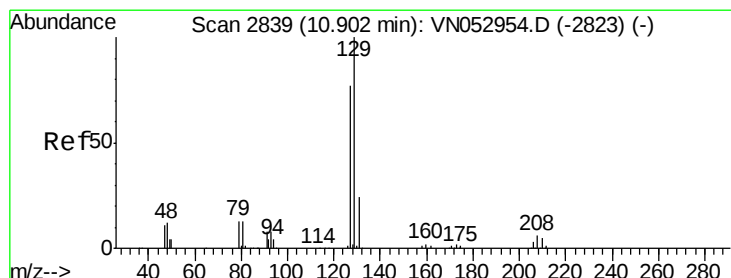
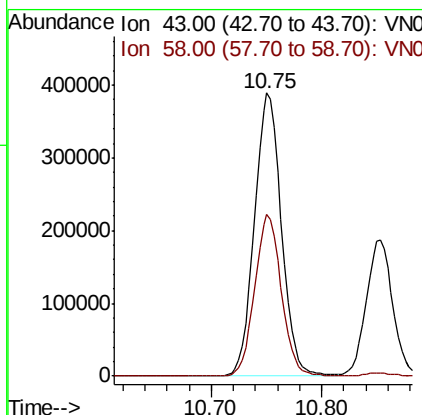
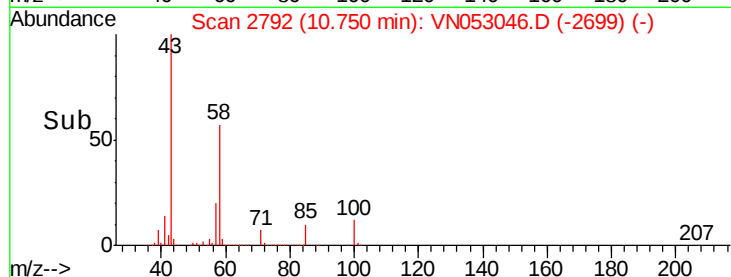
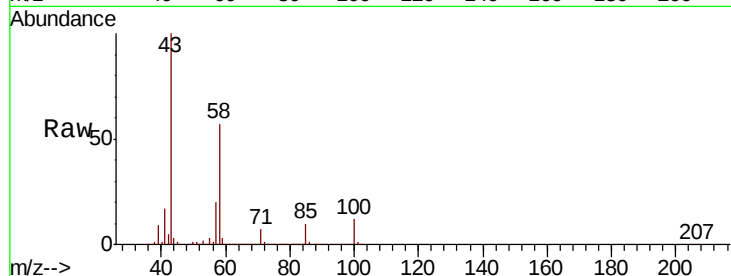




#59
2-Hexanone
Concen: 106.313 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

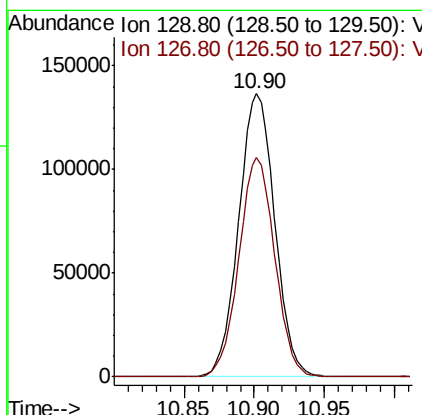
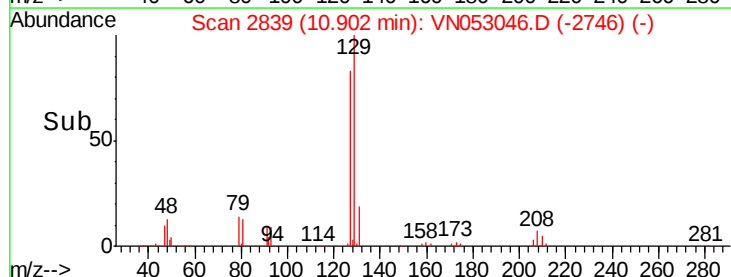
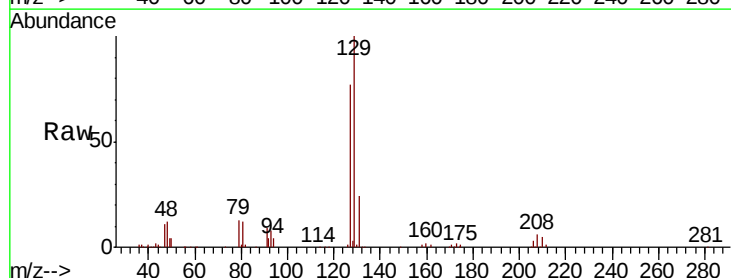
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

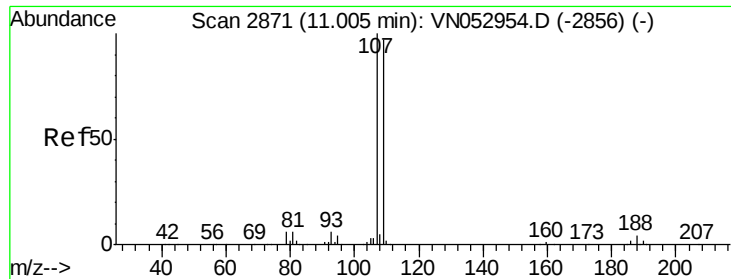
Tot Ion: 43 Resp: 658066
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3



#60
Dibromochloromethane
Concen: 19.695 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 129 Resp: 245392
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0

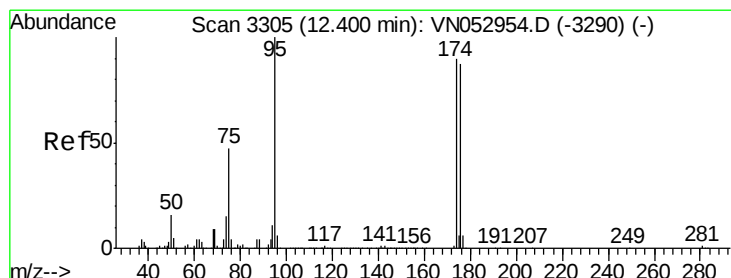
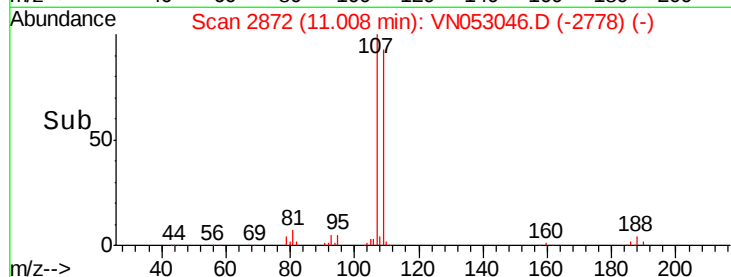
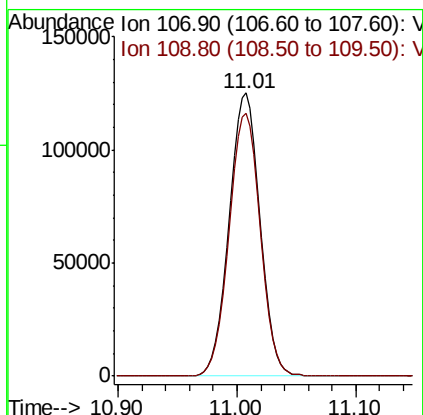
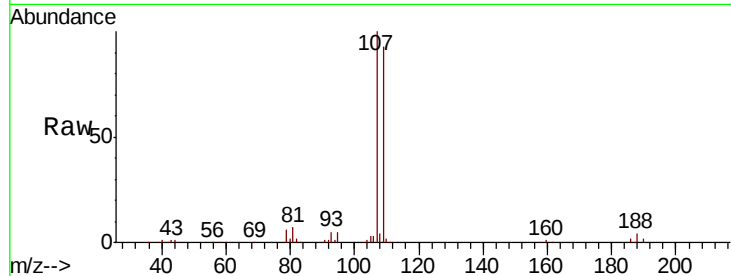




#61
1,2-Dibromoethane
Concen: 20.323 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

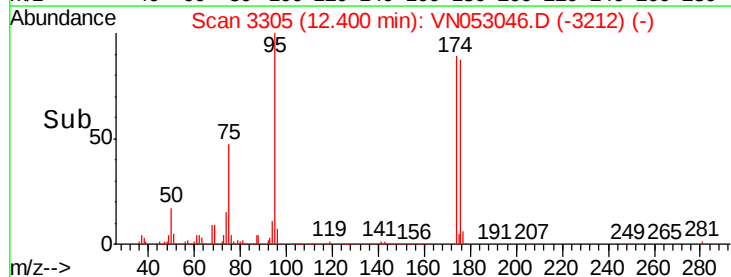
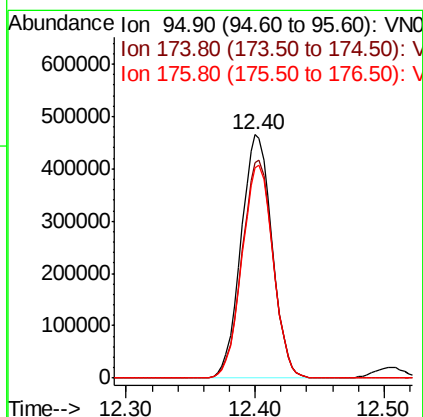
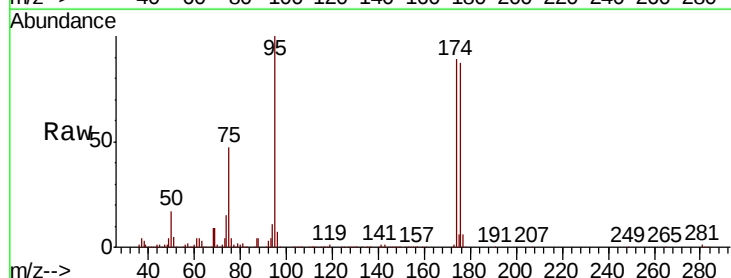
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

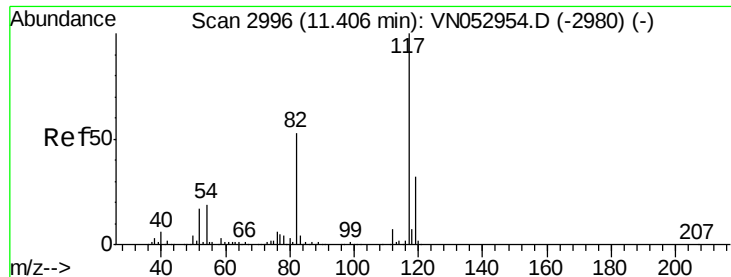
Tot Ion:107 Resp: 224660
Ion Ratio Lower Upper
107 100
109 94.3 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 20.323 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion: 95 Resp: 778207
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.8
176 88.0 0.0 173.8

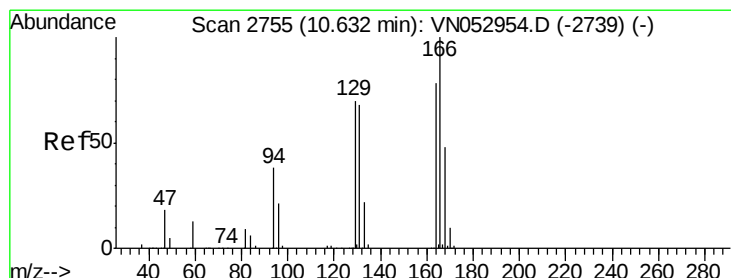
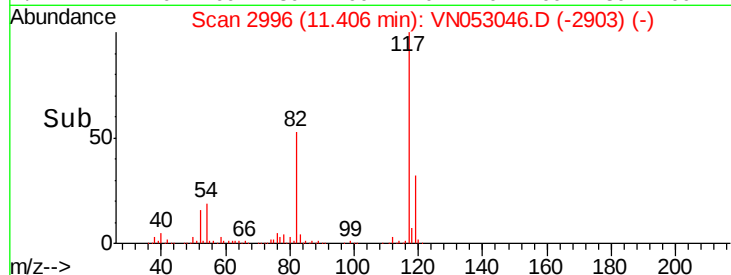
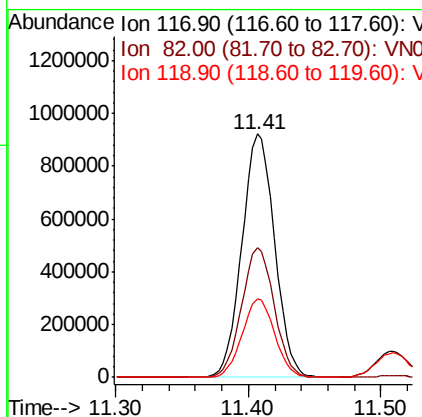
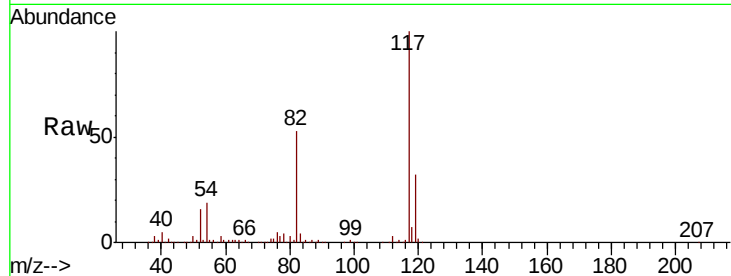




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

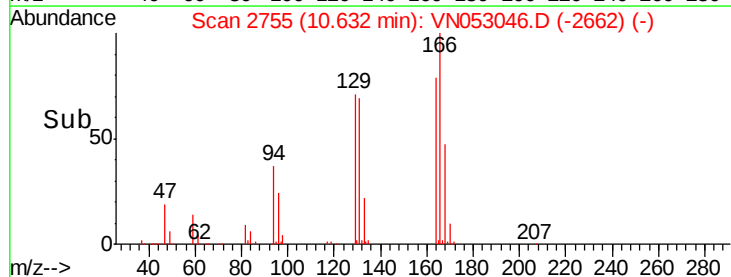
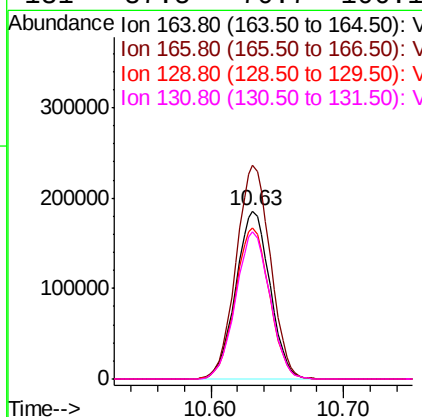
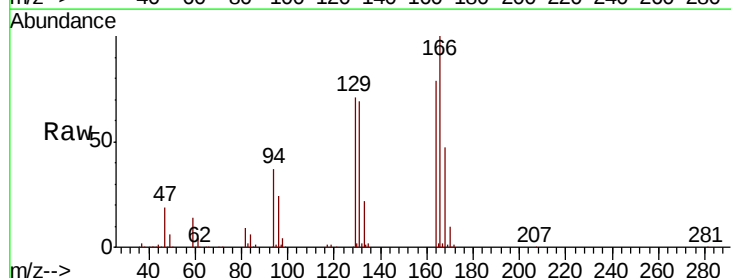
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

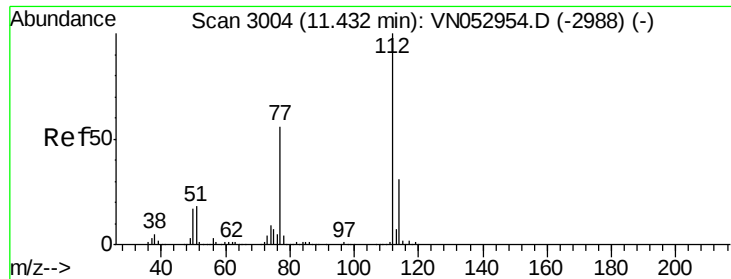
Tot Ion:117 Resp: 1577899
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 19.397 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion:164 Resp: 331533
Ion Ratio Lower Upper
164 100
166 126.9 102.9 154.3
129 89.8 73.7 110.5
131 87.5 70.7 106.1





#65

Chlorobenzene

Concen: 20.298 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

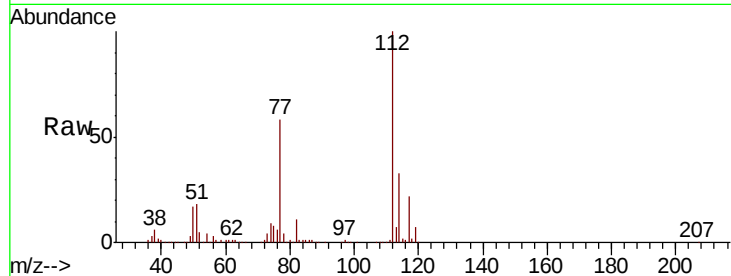
VN1220MBS01

Tot Ion:112 Resp: 709960

Ion Ratio Lower Upper

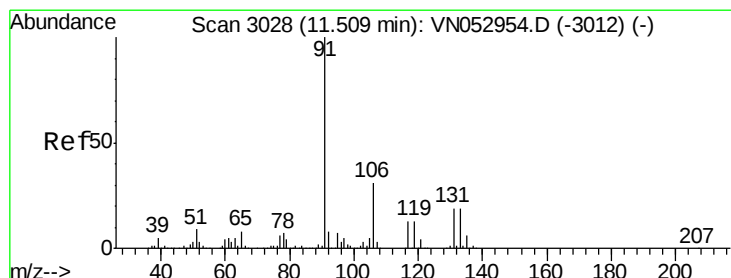
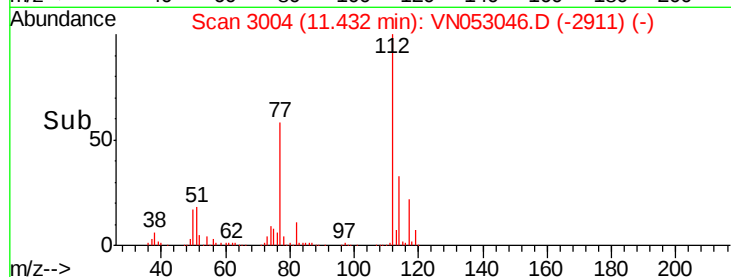
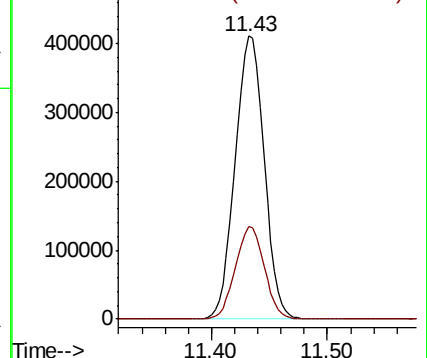
112 100

114 32.6 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.141 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

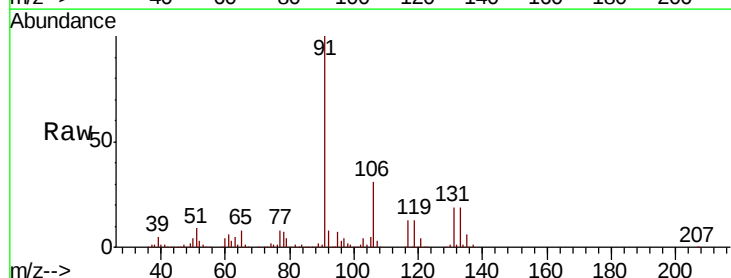
Tgt Ion:131 Resp: 244977

Ion Ratio Lower Upper

131 100

133 97.0 47.6 142.9

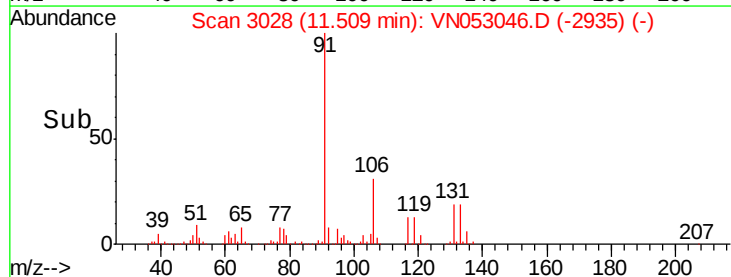
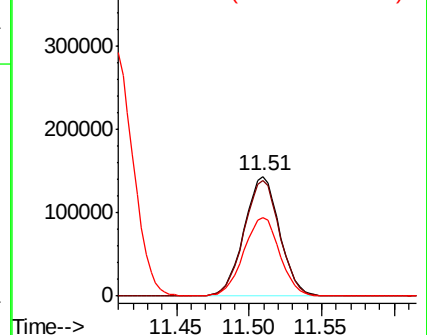
119 66.7 33.3 99.8

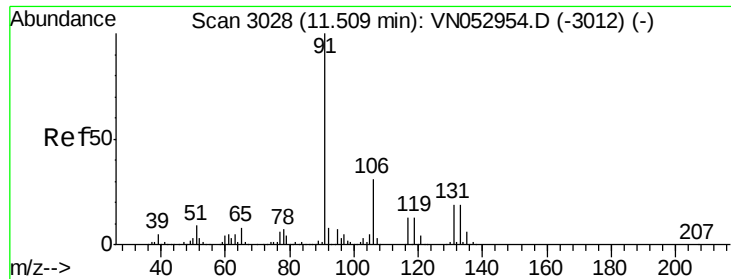


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.278 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampled :

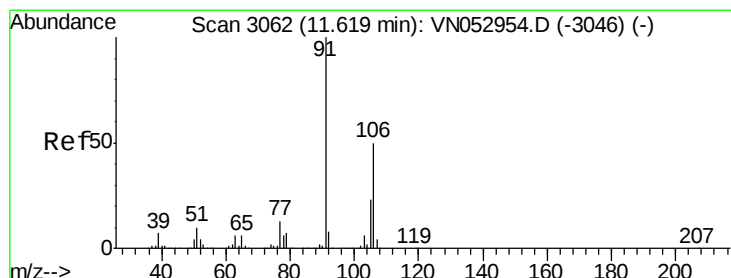
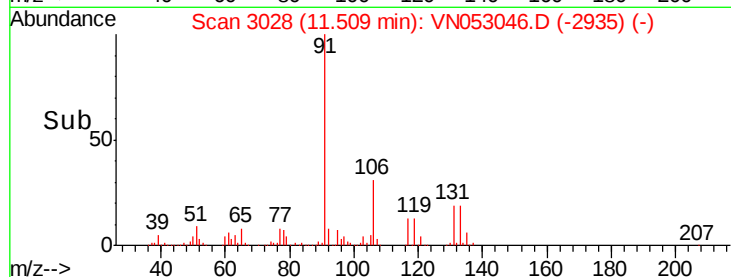
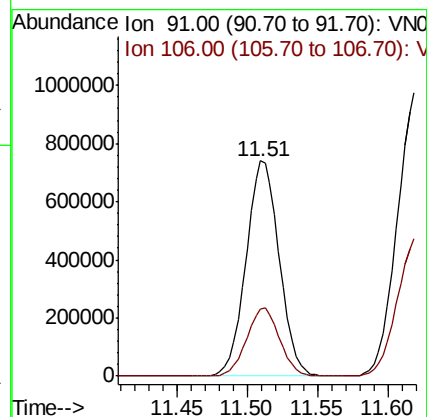
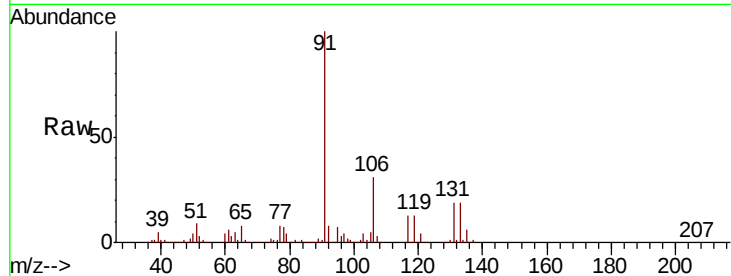
VN1220MBS01

Tot Ion: 91 Resp: 1219780

Ion Ratio Lower Upper

91 100

106 31.3 24.9 37.3



#68

m/p-Xylenes

Concen: 40.376 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053046.D

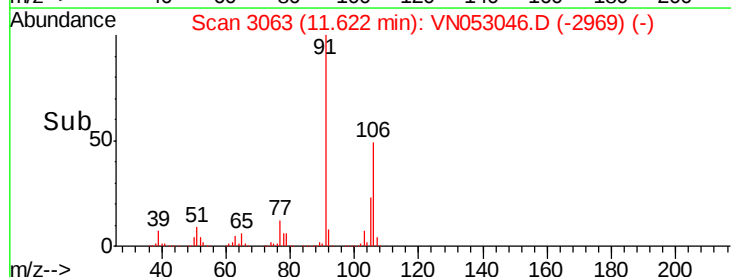
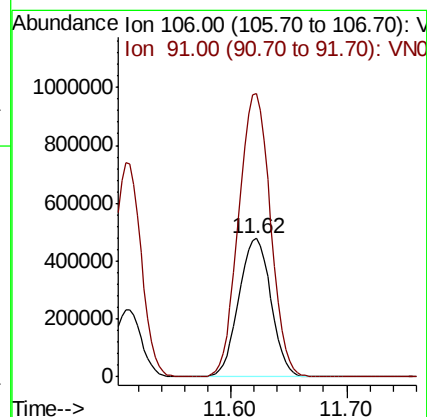
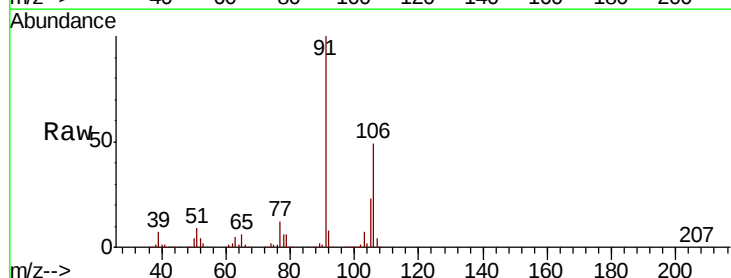
Acq: 20 Dec 2018 10:34

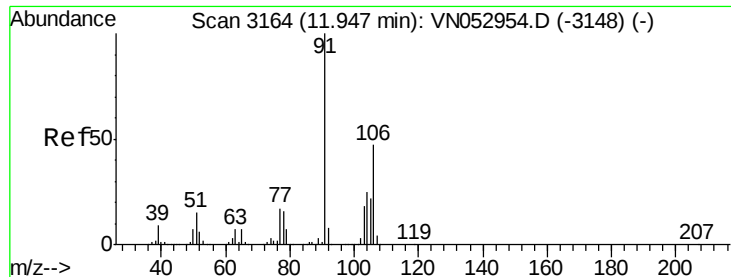
Tgt Ion: 106 Resp: 923286

Ion Ratio Lower Upper

106 100

91 202.2 162.2 243.4

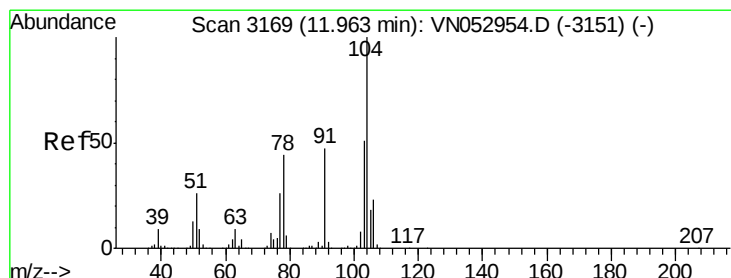
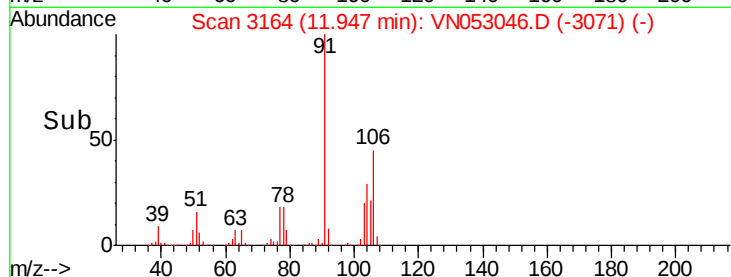
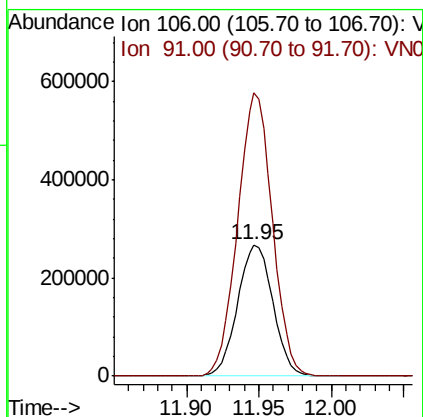
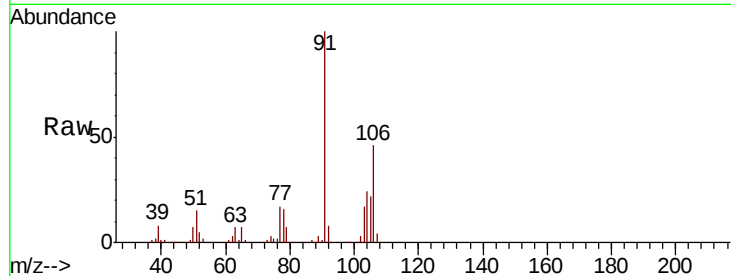




#69
o-Xylene
Concen: 20.591 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

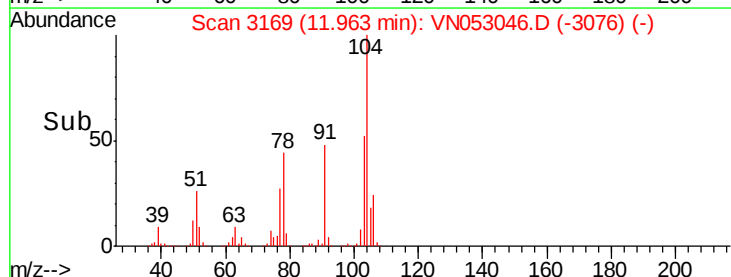
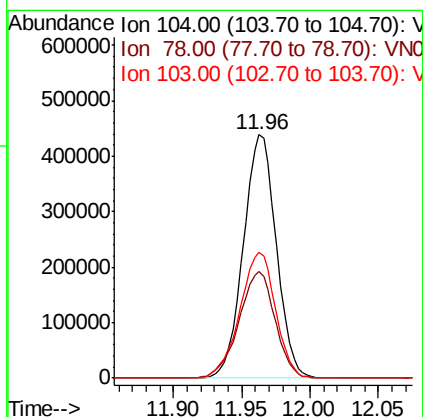
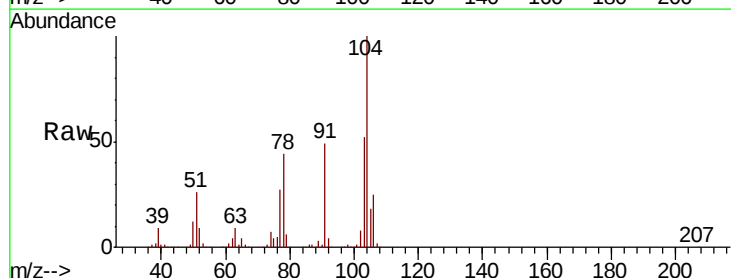
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

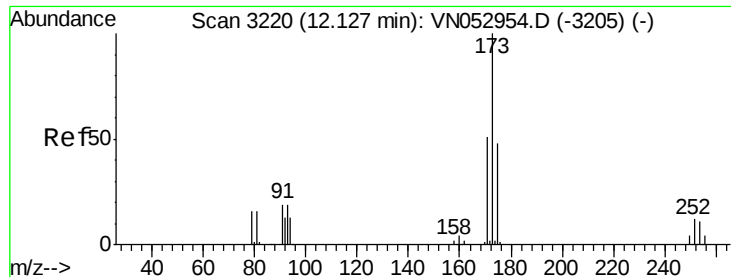
Tot Ion:106 Resp: 451834
Ion Ratio Lower Upper
106 100
91 211.5 106.6 319.8



#70
Styrene
Concen: 20.507 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053046.D
Acq: 20 Dec 2018 10:34

Tgt Ion:104 Resp: 733749
Ion Ratio Lower Upper
104 100
78 48.1 38.9 58.3
103 56.1 44.3 66.5





#71

Bromoform

Concen: 18.545 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

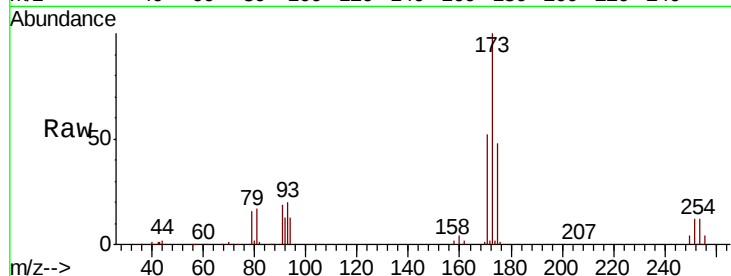
Tot Ion:173 Resp: 162952

Ion Ratio Lower Upper

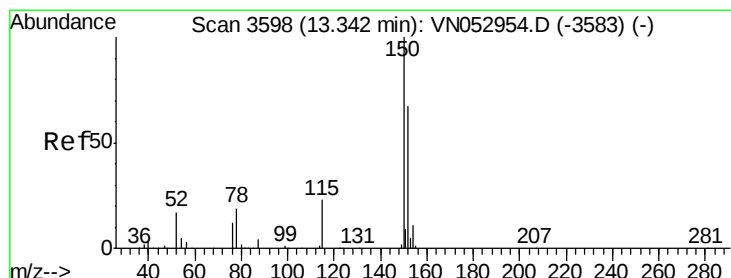
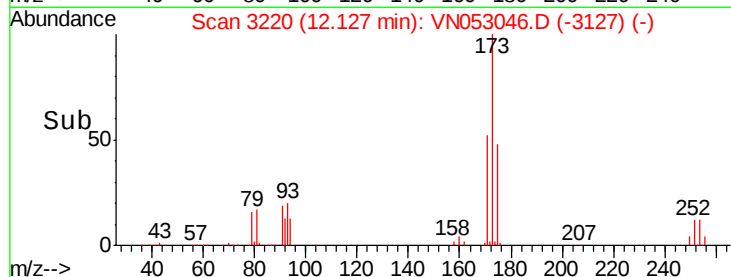
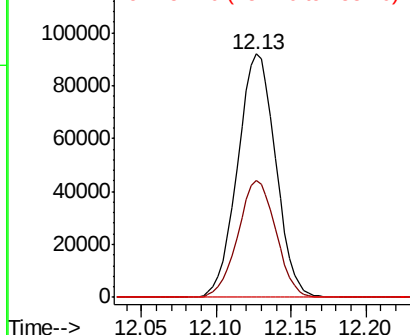
173 100

175 47.9 24.3 72.9

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

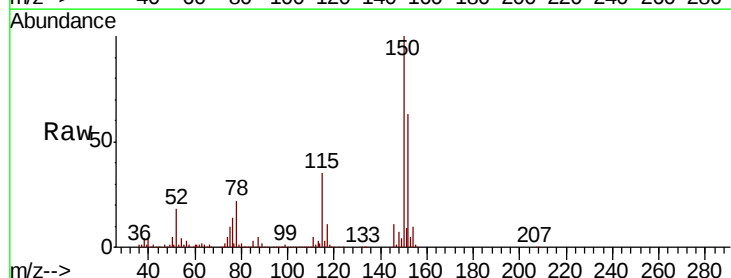
Tgt Ion:152 Resp: 696228

Ion Ratio Lower Upper

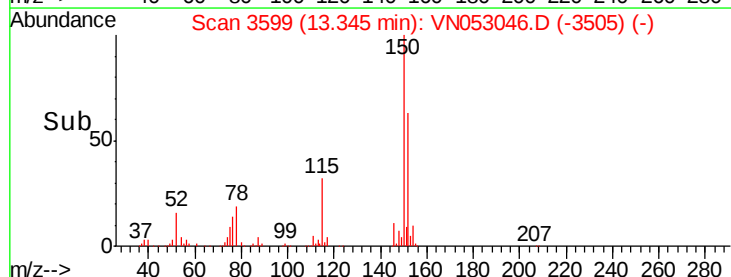
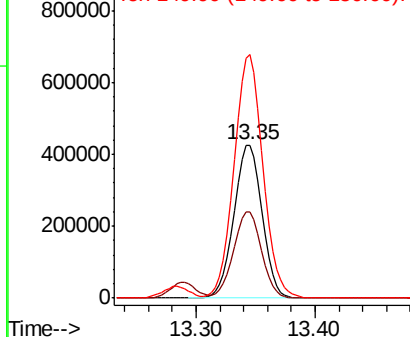
152 100

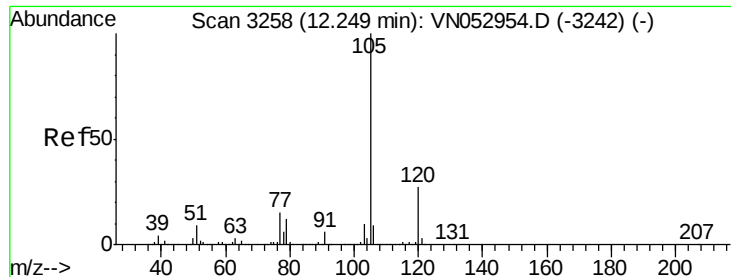
115 55.9 28.3 85.0

150 163.3 0.0 347.8



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





#73

Isopropylbenzene

Concen: 22.109 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

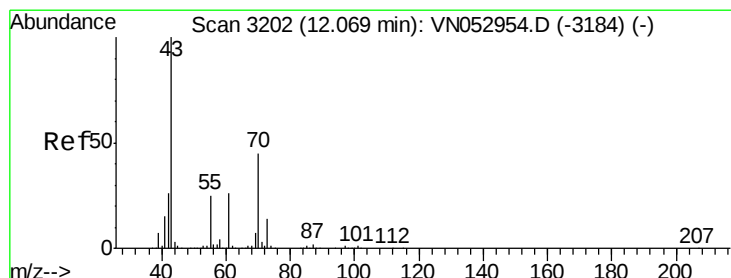
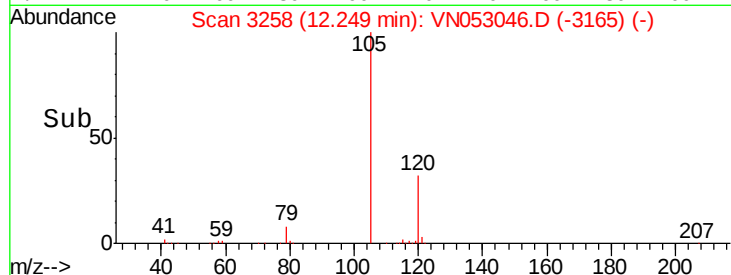
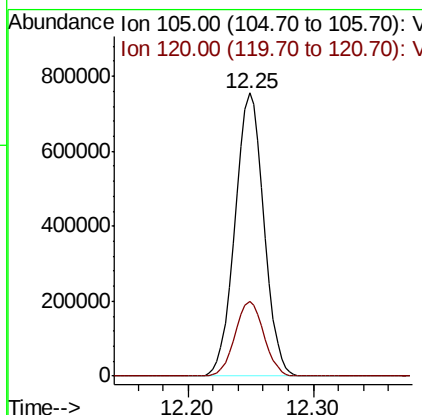
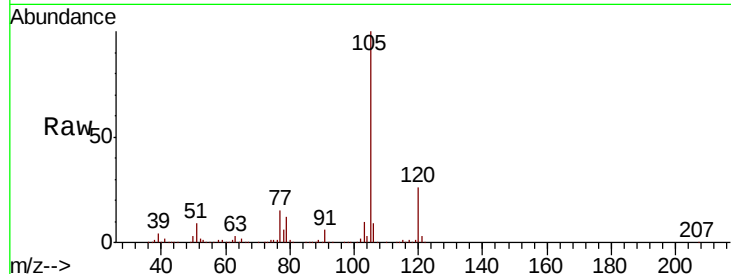
Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBS01

Tot Ion:105 Resp: 1204345

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.3	39.9



#74

N-ethyl acetate

Concen: 21.248 ug/l

RT: 12.07 min Scan# 3202

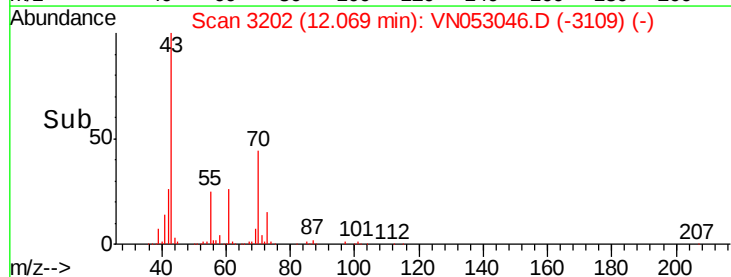
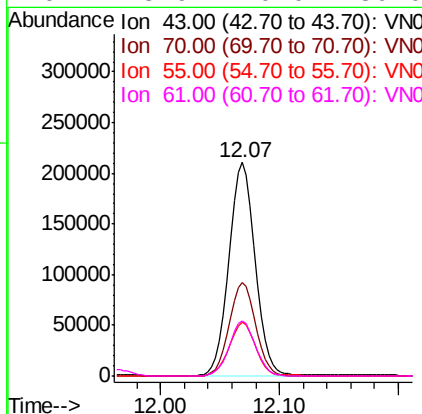
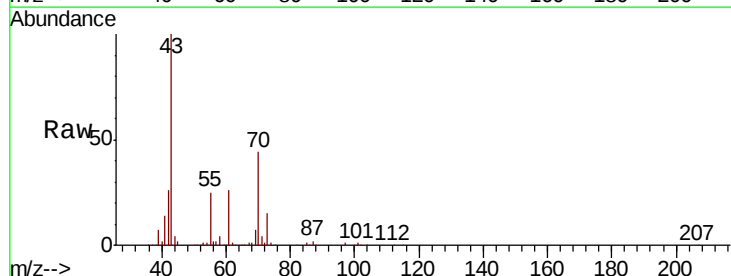
Delta R.T. -0.00 min

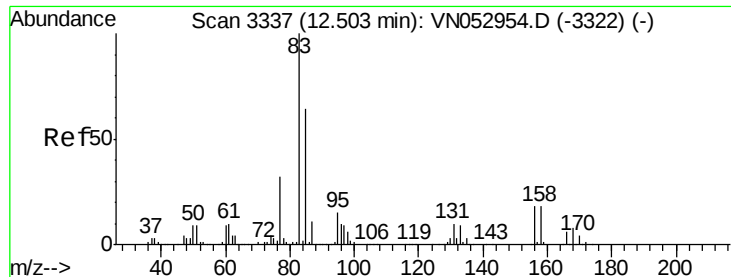
Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Tgt Ion: 43 Resp: 321359

Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.2	51.4
55	25.6	20.3	30.5
61	25.9	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.025 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

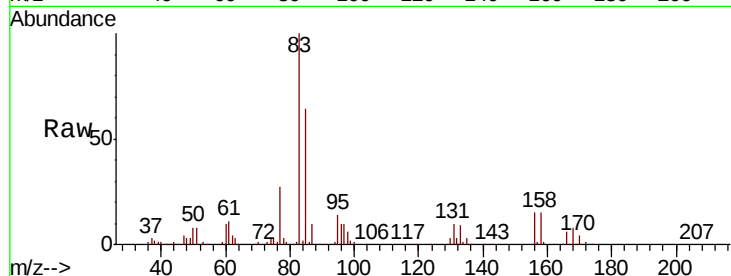
Tot Ion: 83 Resp: 246062

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

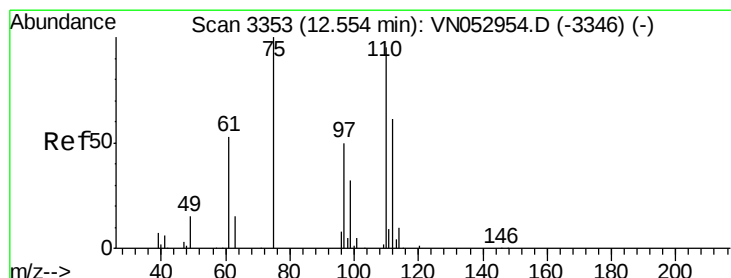
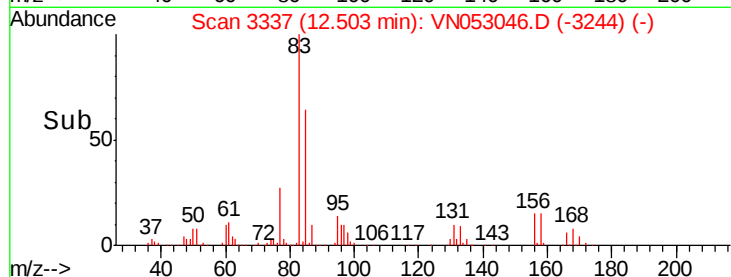
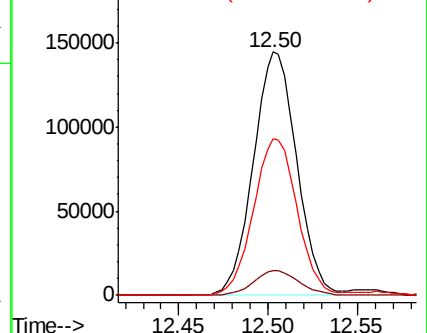
85 64.7 32.4 97.0



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: 28.201 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053046.D

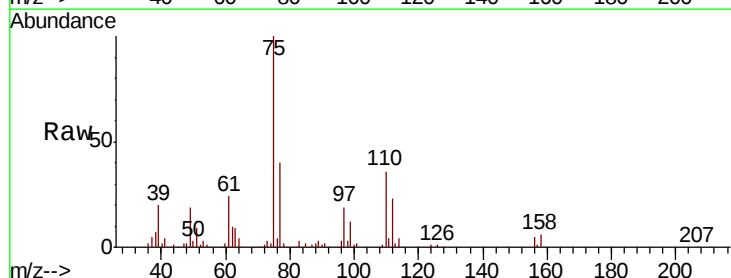
Acq: 20 Dec 2018 10:34

Tgt Ion: 75 Resp: 330523

Ion Ratio Lower Upper

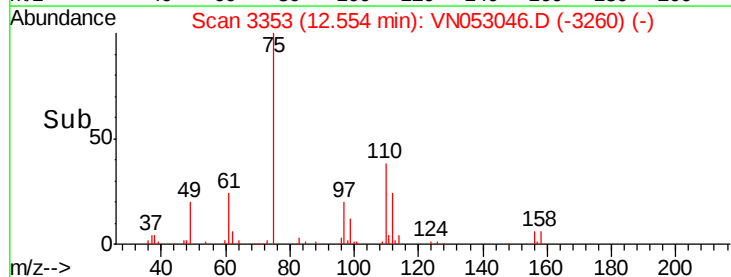
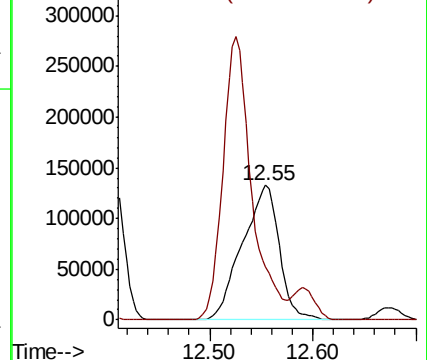
75 100

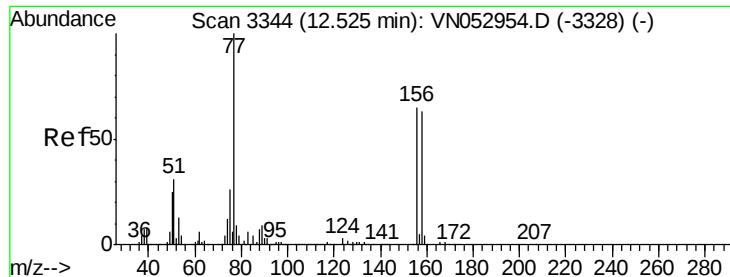
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.618 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

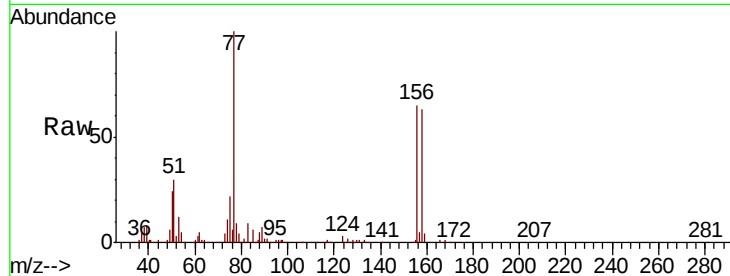
Tot Ion:156 Resp: 306117

Ion Ratio Lower Upper

156 100

77 175.9 91.3 273.8

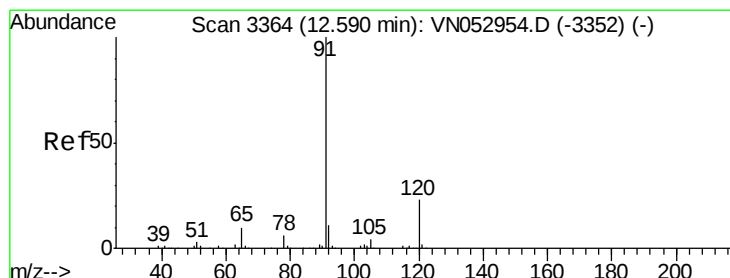
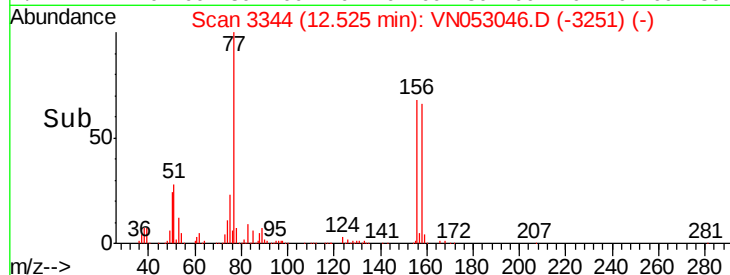
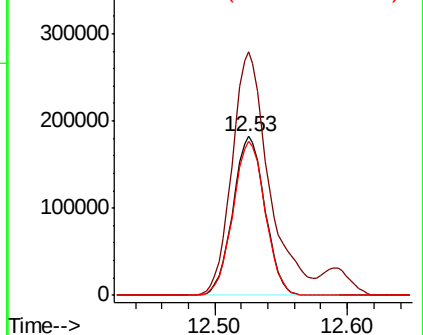
158 97.2 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.281 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053046.D

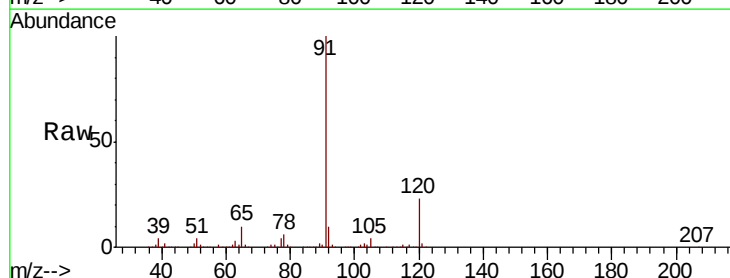
Acq: 20 Dec 2018 10:34

Tgt Ion: 91 Resp: 1320315

Ion Ratio Lower Upper

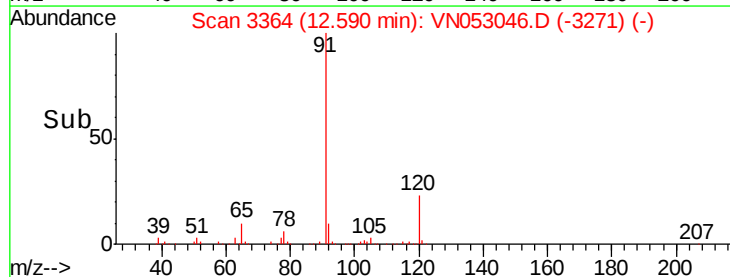
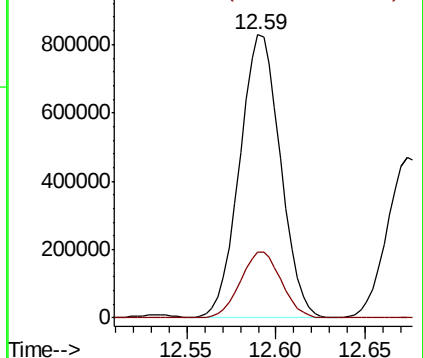
91 100

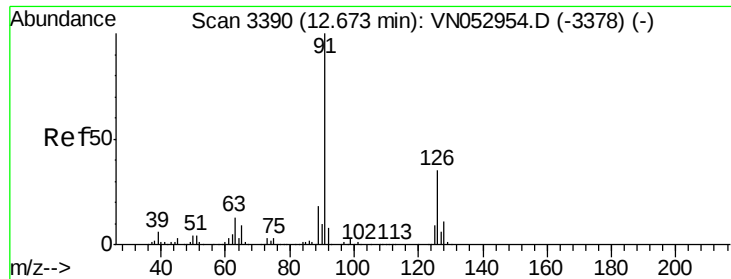
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.441 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

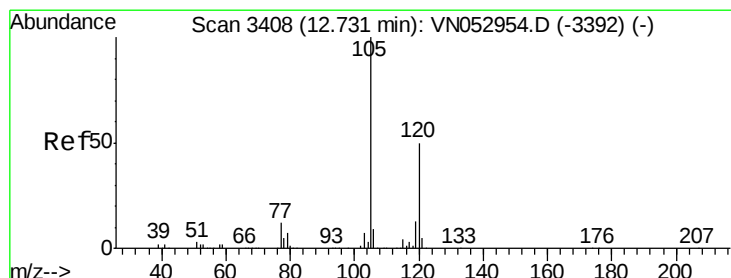
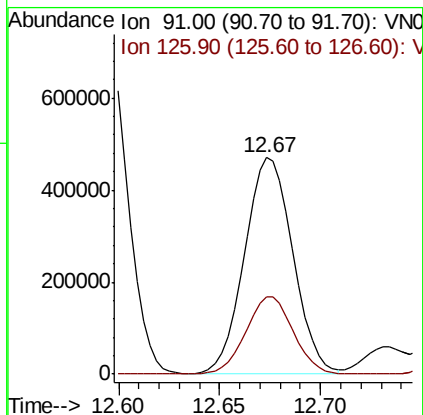
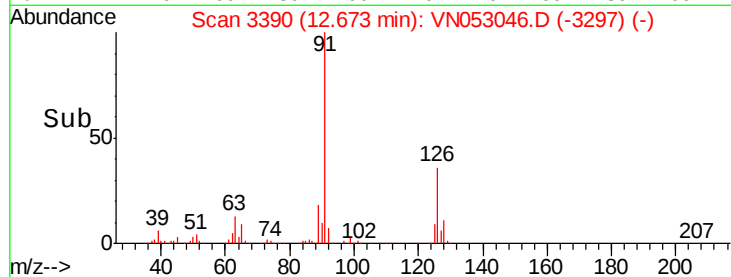
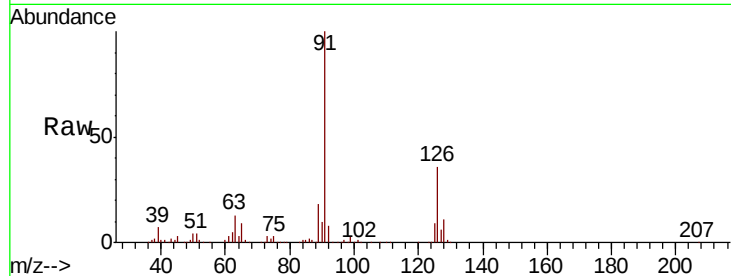
VN1220MBS01

Tot Ion: 91 Resp: 786077

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 21.093 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053046.D

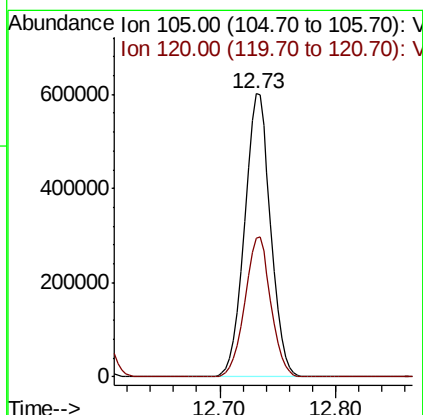
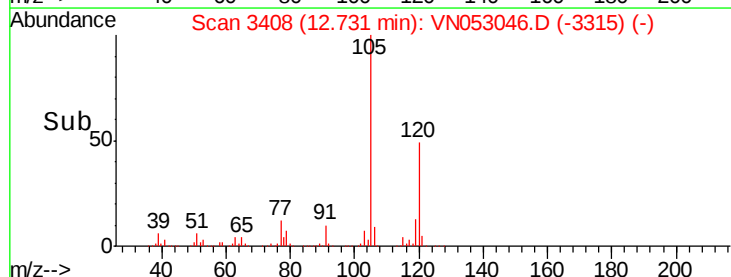
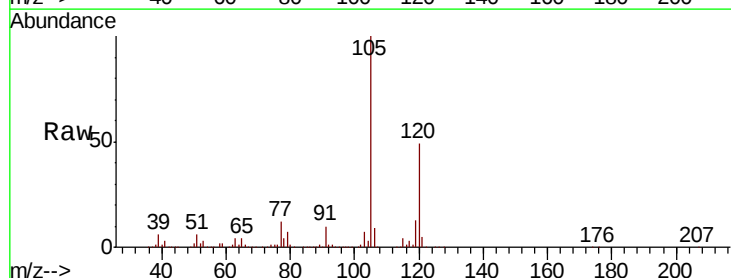
Acq: 20 Dec 2018 10:34

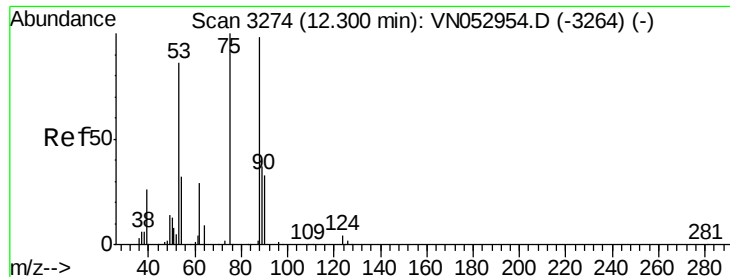
Tgt Ion:105 Resp: 936562

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.645 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

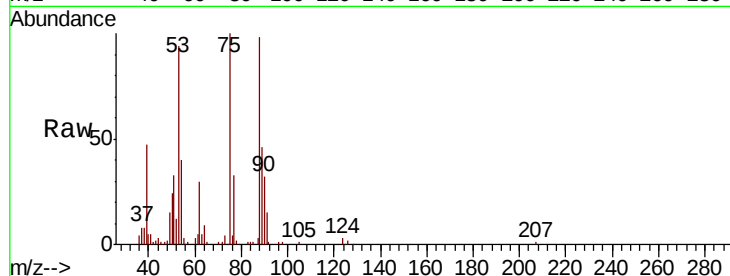
Tot Ion: 75 Resp: 71437

Ion Ratio Lower Upper

75 100

53 95.1 74.7 112.1

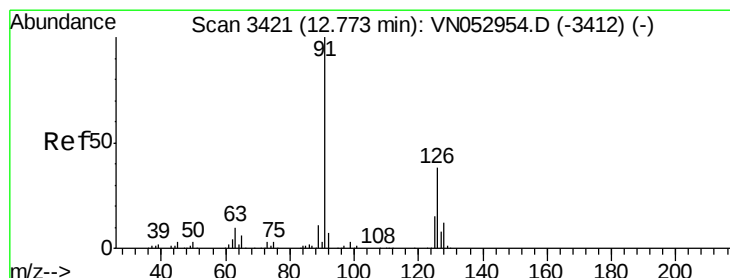
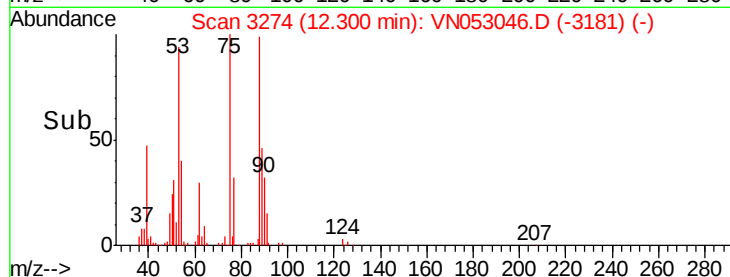
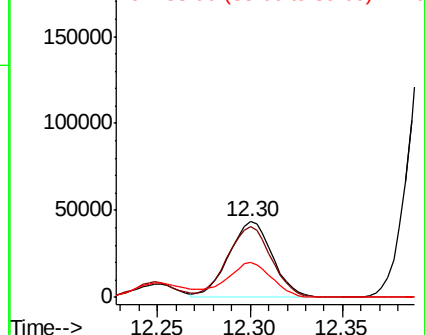
89 46.3 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.904 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053046.D

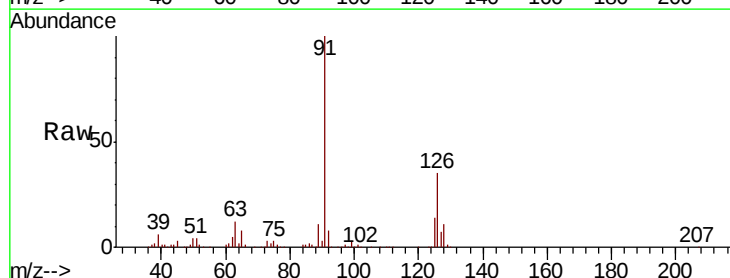
Acq: 20 Dec 2018 10:34

Tgt Ion: 91 Resp: 786918

Ion Ratio Lower Upper

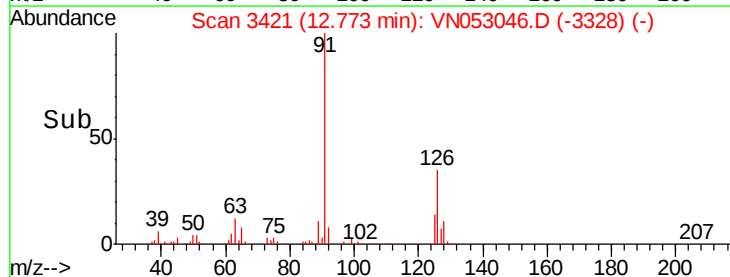
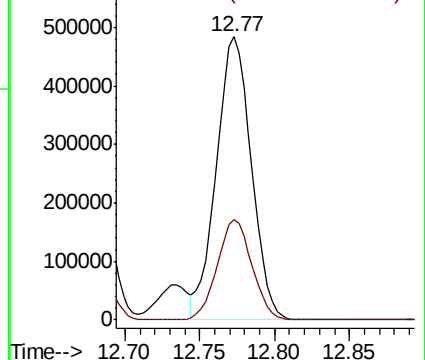
91 100

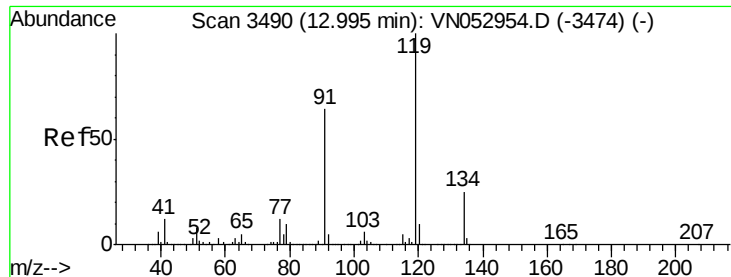
126 35.3 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

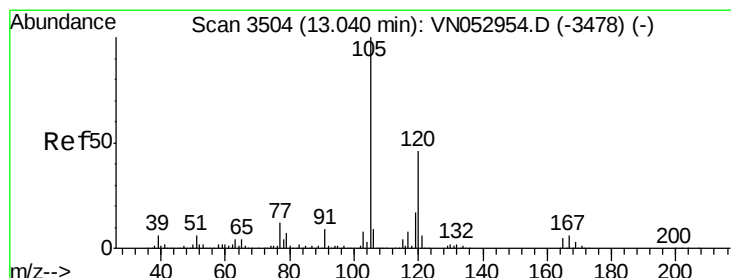
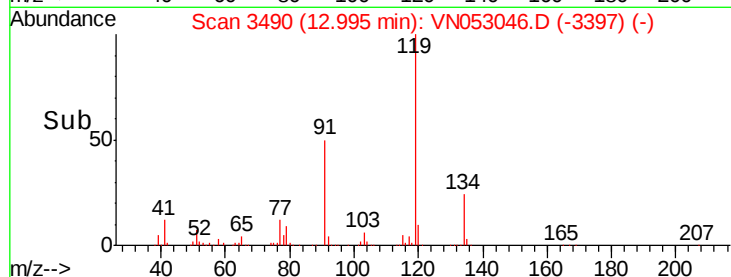
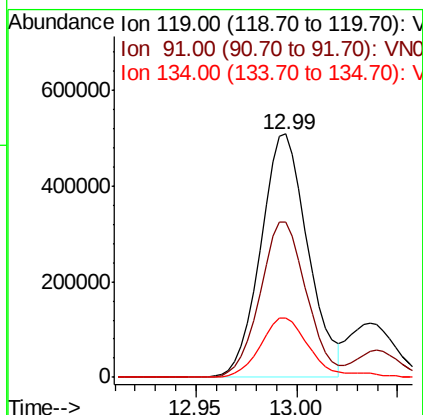
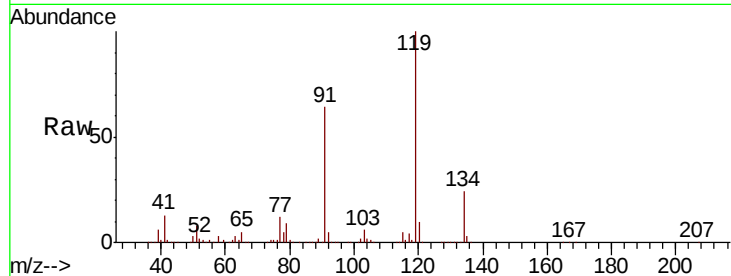




#83
 tert-Butylbenzene
 Concen: 21.118 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

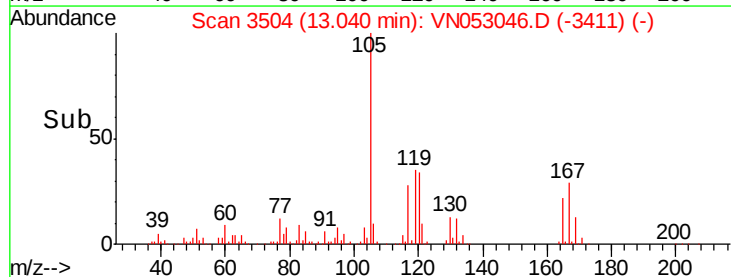
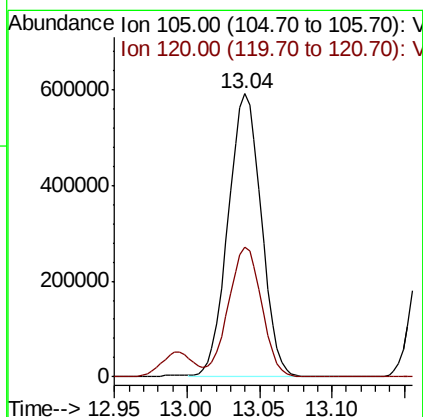
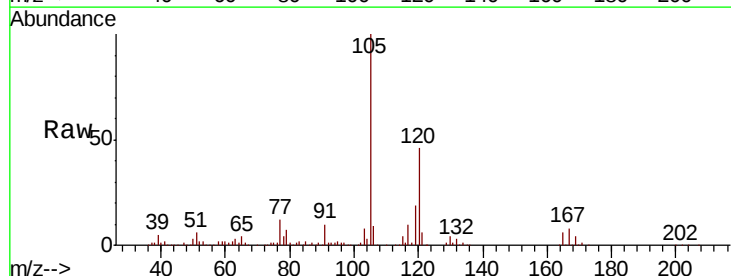
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

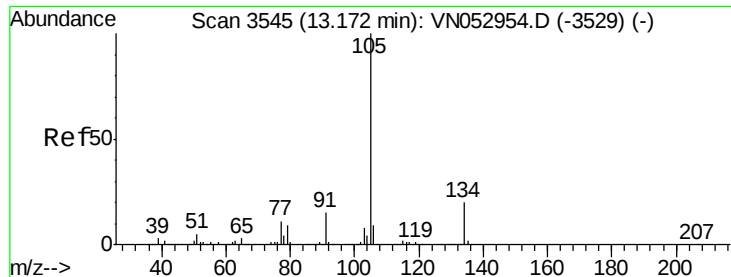
Tot Ion:119 Resp: 829261
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.9 95.5
 134 25.7 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.992 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion:105 Resp: 936968
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.8

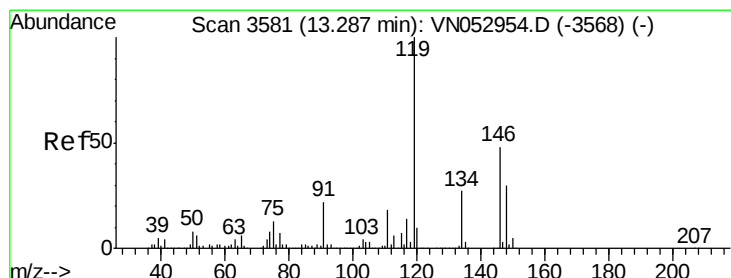
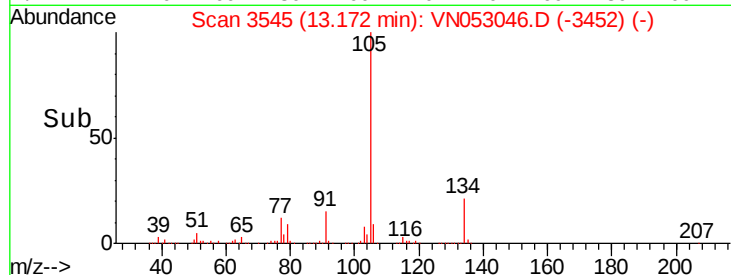
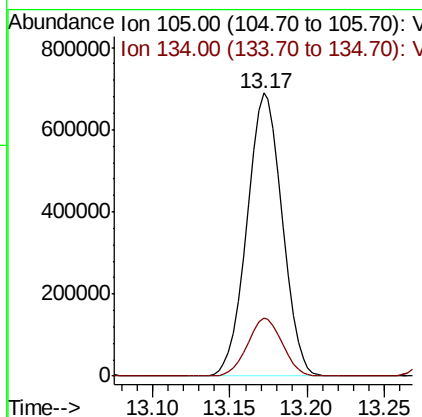
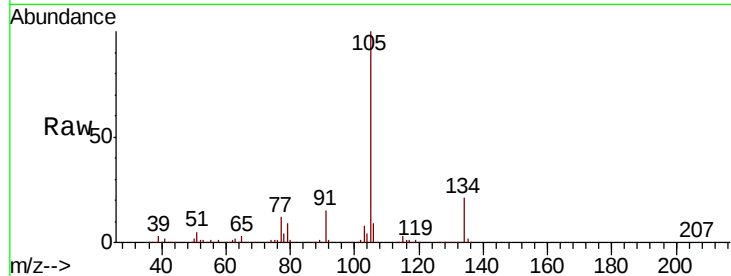




#85
 sec-Butylbenzene
 Concen: 20.557 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

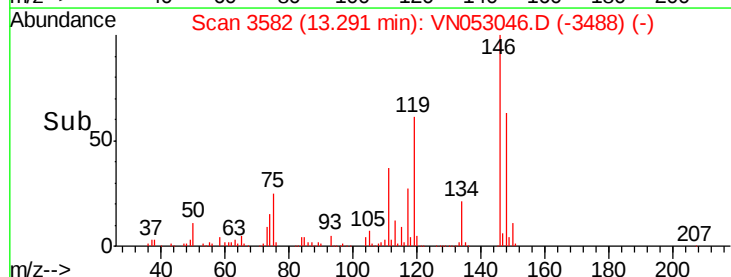
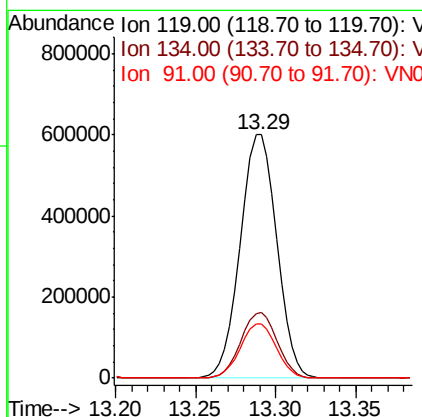
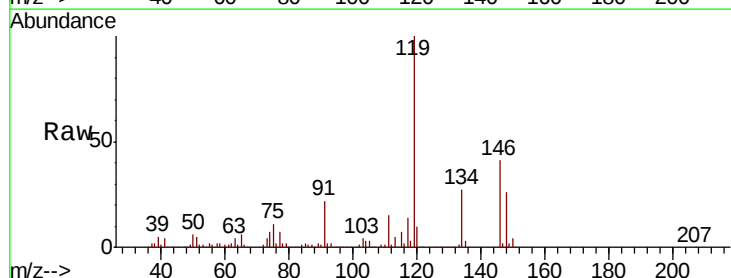
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

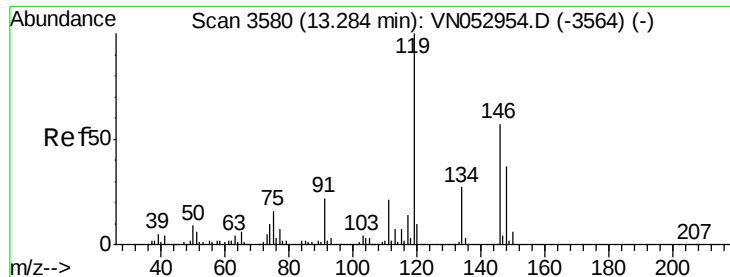
Tot Ion:105 Resp: 1091851
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 20.298 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion:119 Resp: 931599
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.1 11.1 33.3

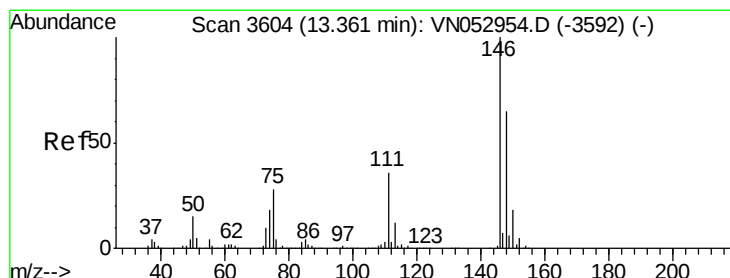
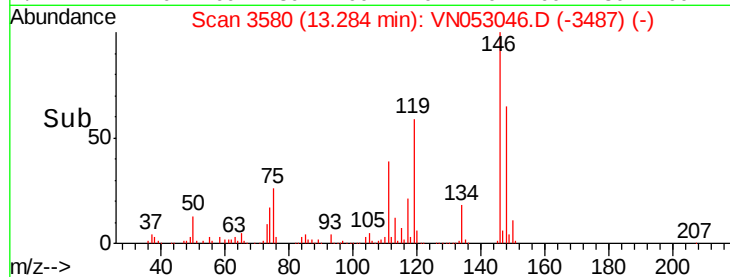
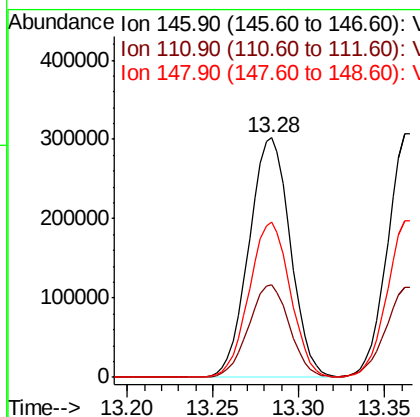
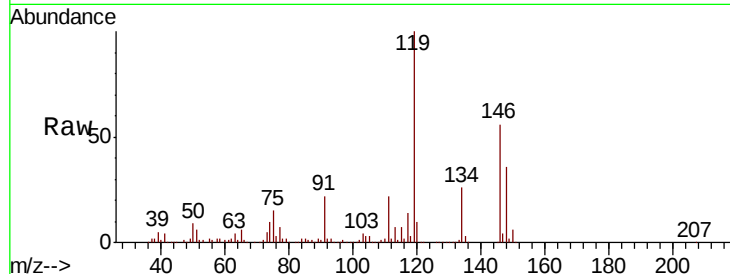




#87
 1,3-Dichlorobenzene
 Concen: 20.092 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

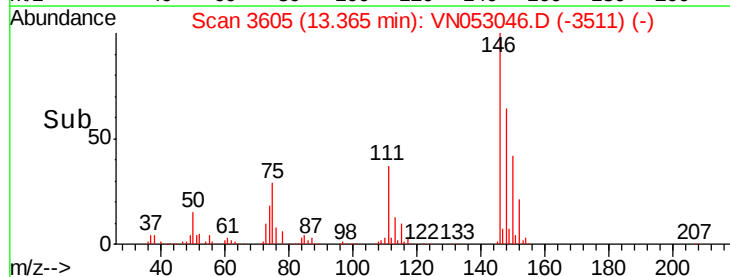
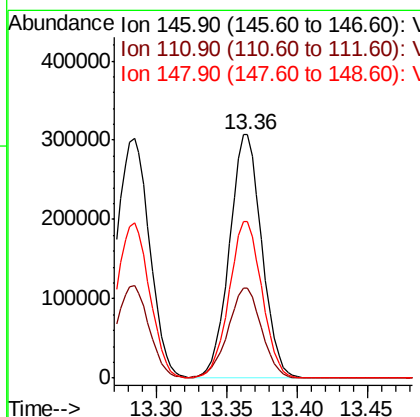
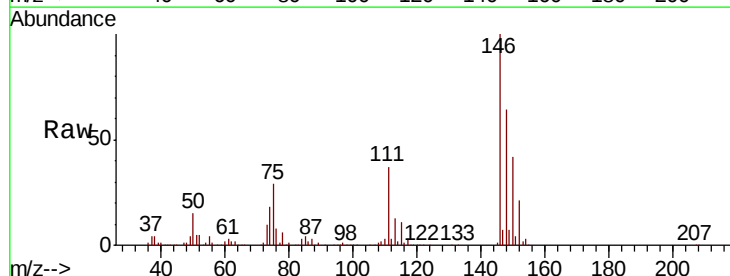
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

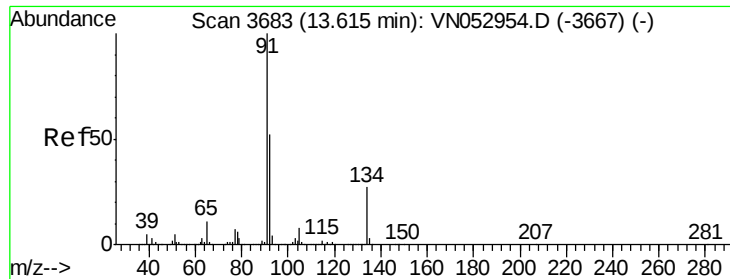
Tot Ion:146 Resp: 503534
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 64.2 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.410 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion:146 Resp: 492608
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.6 55.8
 148 65.0 32.1 96.5





#89

n-Butylbenzene

Concen: 18.511 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

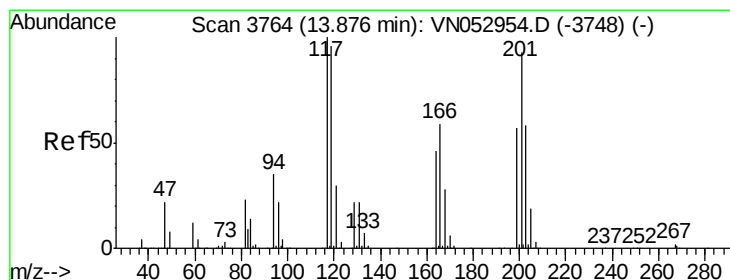
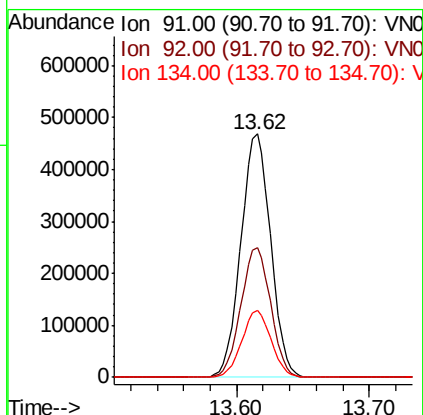
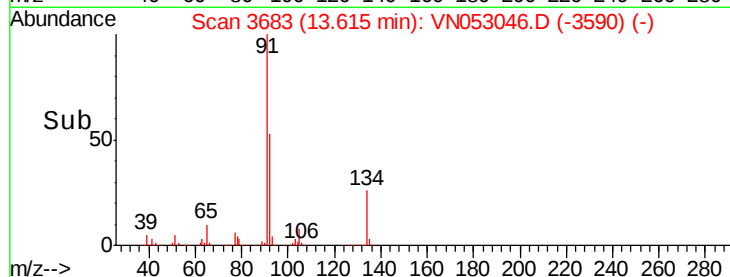
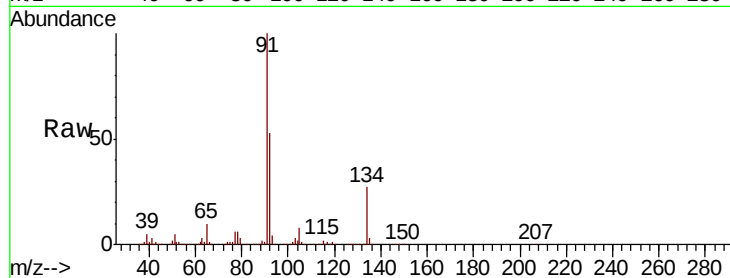
Tot Ion: 91 Resp: 730914

Ion Ratio Lower Upper

91 100

92 53.1 26.3 78.9

134 27.0 13.3 39.8



#90

Hexachloroethane

Concen: 18.886 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053046.D

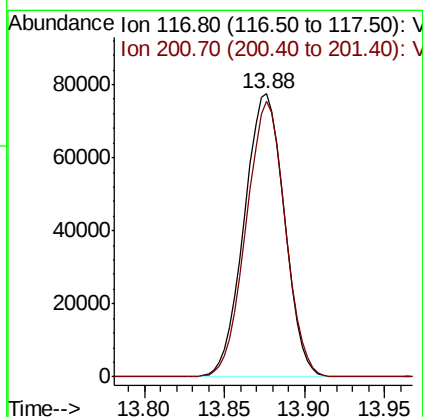
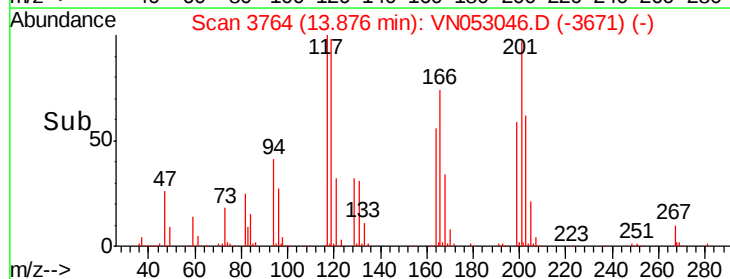
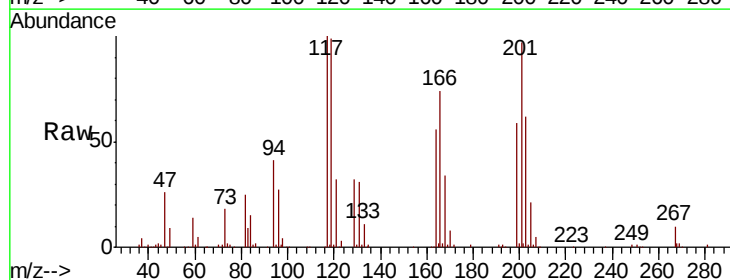
Acq: 20 Dec 2018 10:34

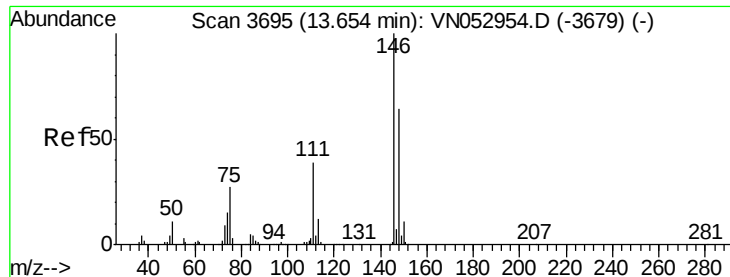
Tgt Ion: 117 Resp: 133011

Ion Ratio Lower Upper

117 100

201 94.8 45.7 137.1





#91

1,2-Dichlorobenzene

Concen: 19.857 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

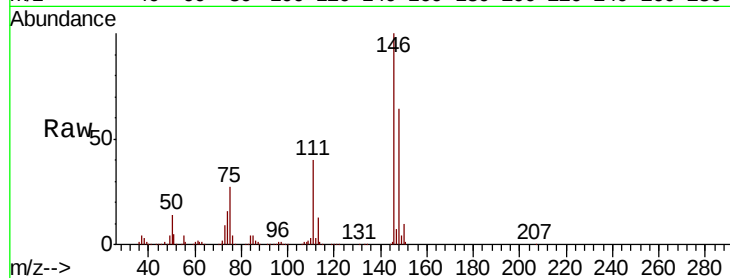
Tot Ion:146 Resp: 468369

Ion Ratio Lower Upper

146 100

111 40.1 19.7 59.0

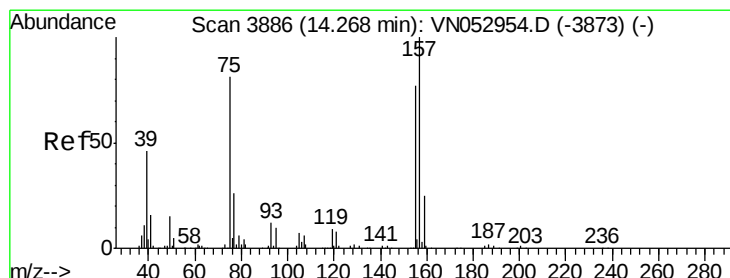
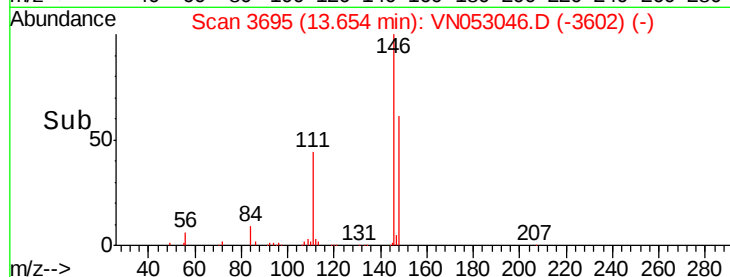
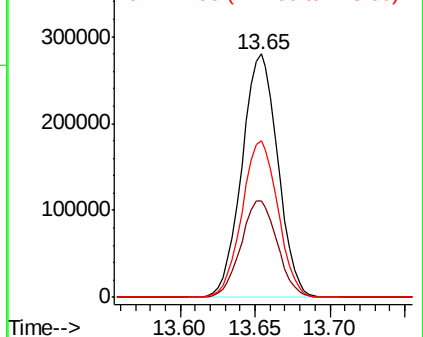
148 64.3 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.413 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

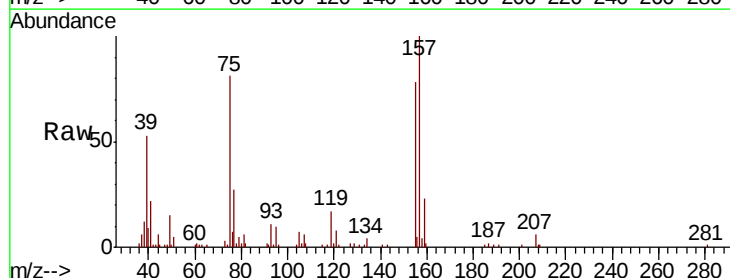
Tgt Ion: 75 Resp: 34024

Ion Ratio Lower Upper

75 100

155 95.5 48.2 144.6

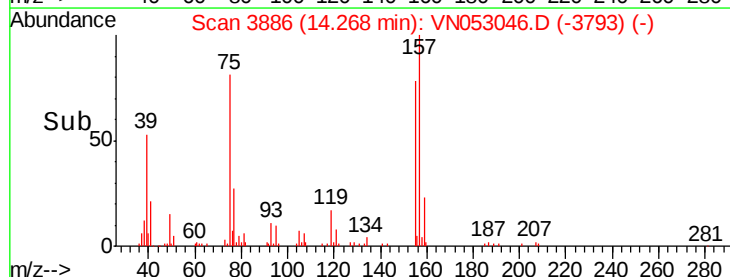
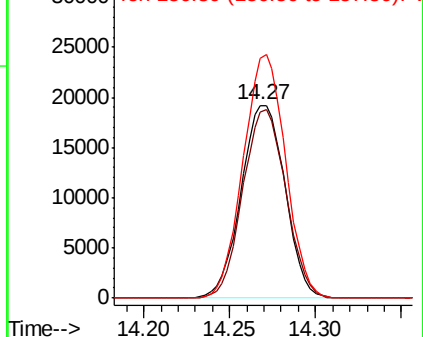
157 122.1 61.2 183.5

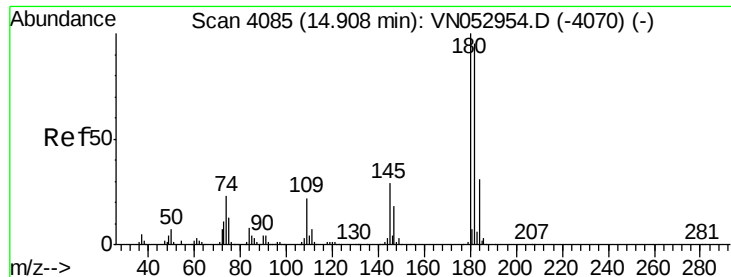


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

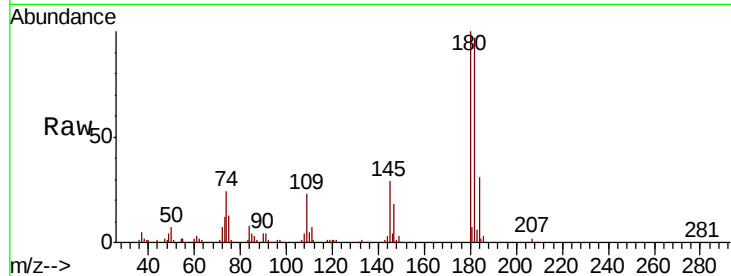




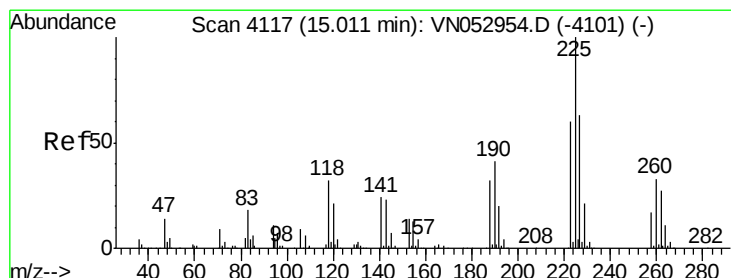
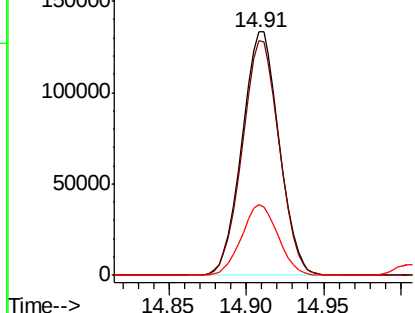
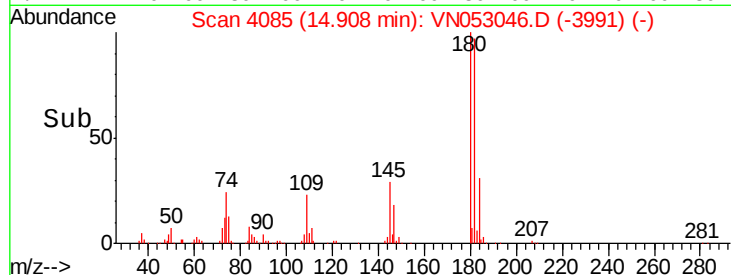
#93
 1,2,4-Trichlorobenzene
 Concen: 18.172 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBS01

Tot Ion:180 Resp: 222288
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.8 143.3
 145 28.5 14.2 42.6

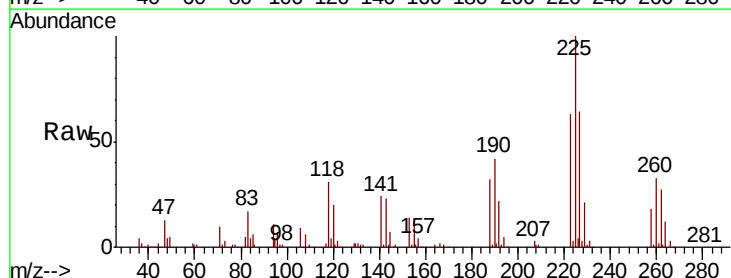


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

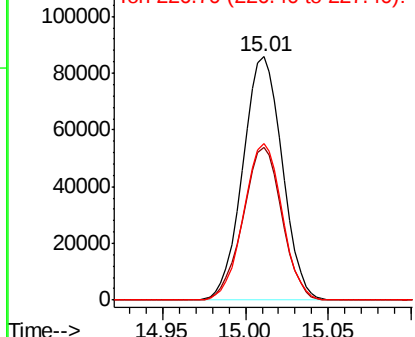
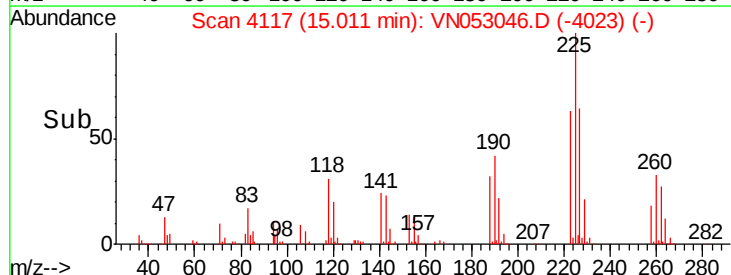


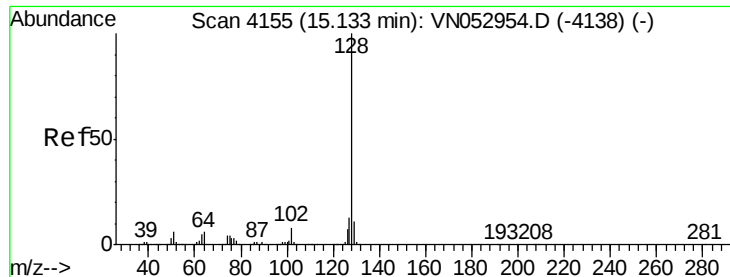
#94
 Hexachlorobutadiene
 Concen: 20.275 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053046.D
 Acq: 20 Dec 2018 10:34

Tgt Ion:225 Resp: 142229
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.5 94.5
 227 63.0 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: 17.868 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN1220MBS01

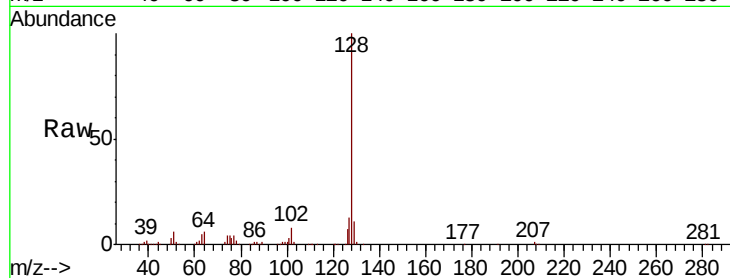
Tot Ion:128 Resp: 468465

Ion Ratio Lower Upper

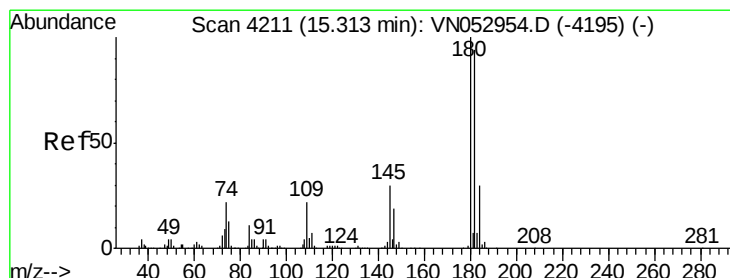
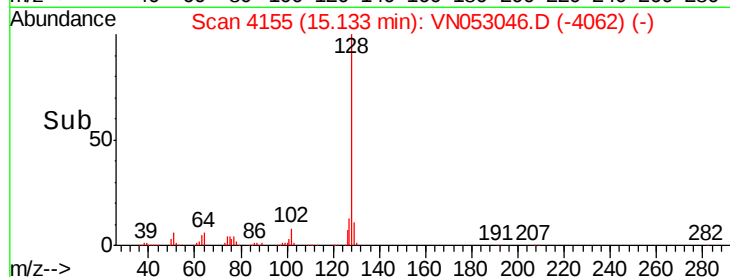
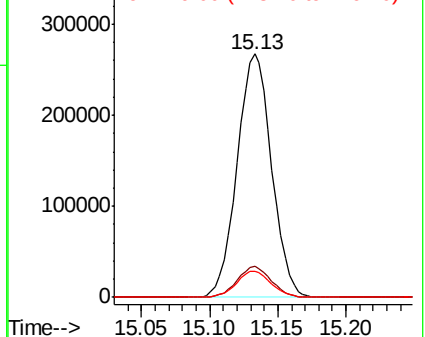
128 100

127 12.5 10.2 15.4

129 10.8 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: 18.312 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053046.D

Acq: 20 Dec 2018 10:34

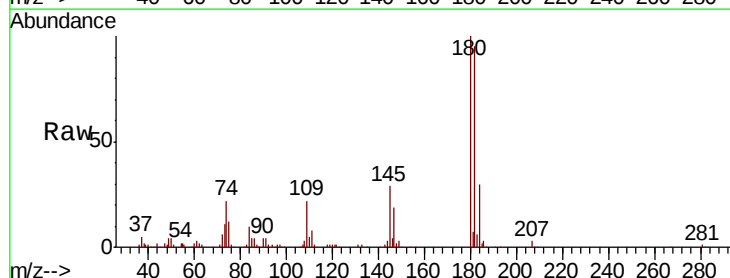
Tgt Ion:180 Resp: 202411

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.7

145 29.7 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

