

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053021.D
 Acq On : 19 Dec 2018 19:43
 Operator : MD\SY
 Sample : VN1219MBSD01
 Misc : 5.00µl/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD01

Quant Time: Dec 20 05:24:33 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	1139273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1764749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1544021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	662567	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	596222	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
35) Dibromofluoromethane	7.59	113	461287	57.22	ug/l	0.00
Spiked Amount			Recovery	=	114.44%	
50) Toluene-d8	10.09	98	2164388	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.40	95	717395	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	228927	19.854	ug/l	98
3) Chloromethane	2.06	50	265477	19.000	ug/l	99
4) Vinyl Chloride	2.19	62	278285	19.666	ug/l	98
5) Bromomethane	2.58	94	176778	18.031	ug/l	98
6) Chloroethane	2.71	64	162508	19.391	ug/l	99
7) Trichlorofluoromethane	3.03	101	355387	20.160	ug/l	99
8) Diethyl Ether	3.41	74	140782	21.169	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	223984	19.928	ug/l	97
10) Methyl Iodide	3.96	142	303682	19.240	ug/l	99
11) Tert butyl alcohol	4.77	59	72083	102.182	ug/l	99
12) 1,1-Dichloroethene	3.74	96	217262	20.008	ug/l	99
13) Acrolein	3.61	56	74202	116.005	ug/l	99
14) Allyl chloride	4.33	41	343234	20.406	ug/l	95
15) Acrylonitrile	4.99	53	394640	100.698	ug/l	99
16) Acetone	3.82	43	250639	110.568	ug/l	94
17) Carbon Disulfide	4.06	76	612219	17.288	ug/l	100
18) Methyl Acetate	4.33	43	206016	20.618	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	603116	20.755	ug/l	99
20) Methylene Chloride	4.55	84	247003	19.975	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	233038	19.974	ug/l	97
22) Diisopropyl ether	5.95	45	754562	21.017	ug/l	97
23) Vinyl Acetate	5.90	43	2168655	105.046	ug/l	99
24) 1,1-Dichloroethane	5.85	63	432220	20.260	ug/l	98
25) 2-Butanone	6.83	43	415827	109.304	ug/l	98
26) 2,2-Dichloropropane	6.83	77	267135	16.403	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	267111	20.223	ug/l	97
28) Bromochloromethane	7.19	49	186341	20.157	ug/l	94
29) Tetrahydrofuran	7.21	42	293439	103.275	ug/l	97
30) Chloroform	7.37	83	421509	20.113	ug/l	100
31) Cyclohexane	7.66	56	418424	20.287	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	348080	19.497	ug/l	99
36) 1,1-Dichloropropene	7.80	75	329531	19.455	ug/l	100
37) Ethyl Acetate	6.93	43	197217	20.856	ug/l	98
38) Carbon Tetrachloride	7.78	117	294863	18.992	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053021.D
 Acq On : 19 Dec 2018 19:43
 Operator : MD\SY
 Sample : VN1219MBSD01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD01

Quant Time: Dec 20 05:24:33 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)
39) Methylcyclohexane	9.08	83	391894	19.045	ug/l	98
40) Benzene	8.04	78	1006417	19.975	ug/l	99
41) Methacrylonitrile	7.17	41	117067	21.427	ug/l	94
42) 1,2-Dichloroethane	8.12	62	295048	19.823	ug/l	99
43) Isopropyl Acetate	8.16	43	380474	20.169	ug/l	99
44) Trichloroethene	8.84	130	282858	19.410	ug/l	96
45) 1,2-Dichloropropane	9.12	63	264746	20.174	ug/l	100
46) Dibromomethane	9.21	93	151043	19.757	ug/l	98
47) Bromodichloromethane	9.40	83	313077	19.265	ug/l	100
48) Methyl methacrylate	9.20	41	185904	20.260	ug/l	100
49) 1,4-Dioxane	9.20	88	43233	372.476	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	963464	105.212	ug/l	99
52) Toluene	10.16	92	611167	19.570	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	310971	18.198	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	372467	18.989	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	215737	19.802	ug/l	99
56) Ethyl methacrylate	10.43	69	292550	20.287	ug/l	97
57) 1,3-Dichloropropane	10.71	76	377161	20.188	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	819089	103.463	ug/l	98
59) 2-Hexanone	10.75	43	637684	102.924	ug/l	99
60) Dibromochloromethane	10.90	129	232554	18.648	ug/l	100
61) 1,2-Dibromoethane	11.00	107	215888	19.511	ug/l	99
64) Tetrachloroethene	10.63	164	327591	19.587	ug/l	99
65) Chlorobenzene	11.43	112	674234	19.699	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	232213	19.510	ug/l	99
67) Ethyl Benzene	11.51	91	1166381	19.816	ug/l	100
68) m/p-Xylenes	11.62	106	907572	40.559	ug/l	99
69) o-Xylene	11.95	106	419700	19.546	ug/l	98
70) Styrene	11.96	104	690036	19.708	ug/l	100
71) Bromoform	12.13	173	151076	17.570	ug/l #	100
73) Isopropylbenzene	12.25	105	1120049	21.606	ug/l	100
74) N-amyl acetate	12.07	43	320544	22.271	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	229961	22.611	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	315231	28.263	ug/l #	100
77) Bromobenzene	12.53	156	423208	31.406	ug/l	60
78) n-propylbenzene	12.59	91	1233091	20.885	ug/l	99
79) 2-Chlorotoluene	12.67	91	722618	19.746	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	875291	20.715	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	62848	18.161	ug/l	99
82) 4-Chlorotoluene	12.77	91	731629	20.423	ug/l	100
83) tert-Butylbenzene	12.99	119	760941	20.362	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	875592	20.613	ug/l	100
85) sec-Butylbenzene	13.17	105	1002258	19.828	ug/l	100
86) p-Isopropyltoluene	13.29	119	848526	19.428	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	466718	19.569	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	463449	19.188	ug/l	99
89) n-Butylbenzene	13.62	91	679203	18.076	ug/l	99
90) Hexachloroethane	13.87	117	119779	17.871	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	438093	19.517	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33674	19.149	ug/l	97

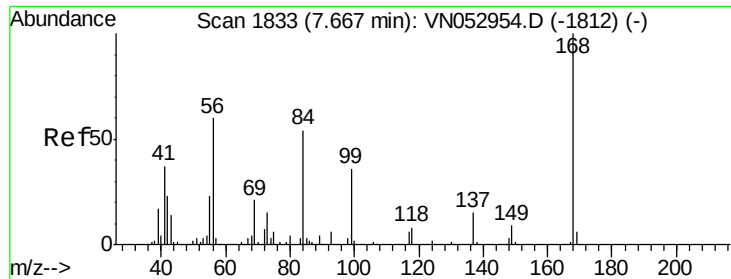
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
Data File : VN053021.D
Acq On : 19 Dec 2018 19:43
Operator : MD\SY
Sample : VN1219MBSD01
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 26 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD01

Quant Time: Dec 20 05:24:33 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)
93) 1,2,4-Trichlorobenzene	14.91	180	233157	19.968	ug/l	99
94) Hexachlorobutadiene	15.01	225	126798	18.801	ug/l	99
95) Naphthalene	15.13	128	545650	21.612	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	213436	20.236	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: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

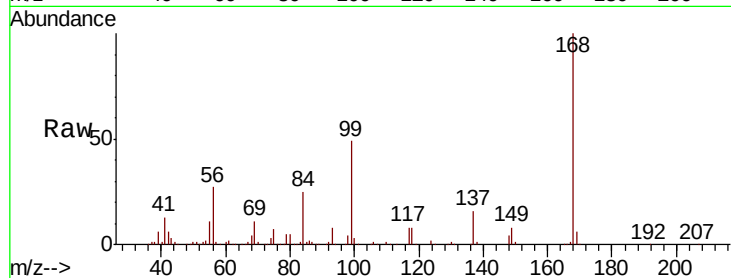
VN1219MBSD01

Tot Ion:168 Resp: 1139273

Ion Ratio Lower Upper

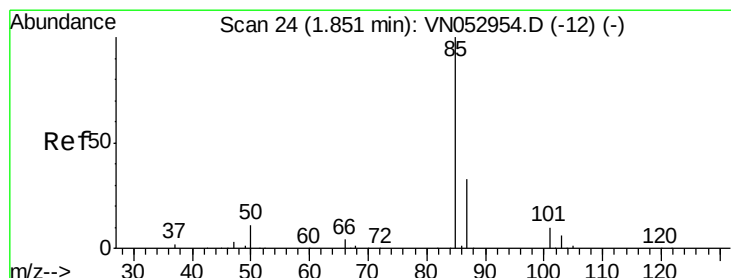
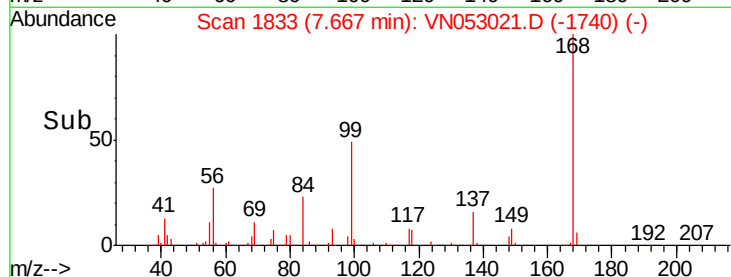
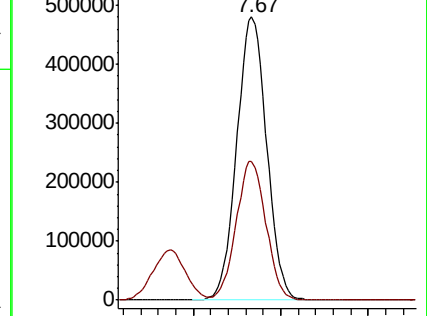
168 100

99 48.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.854 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053021.D

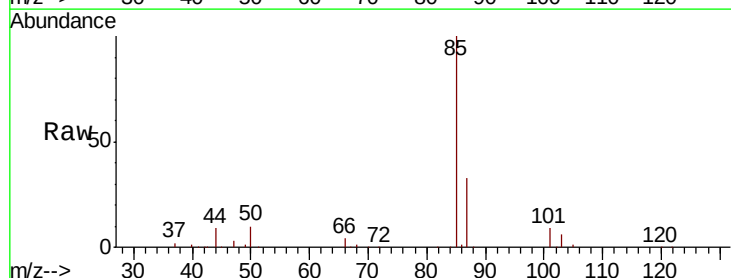
Acq: 19 Dec 2018 19:43

Tgt Ion: 85 Resp: 228927

Ion Ratio Lower Upper

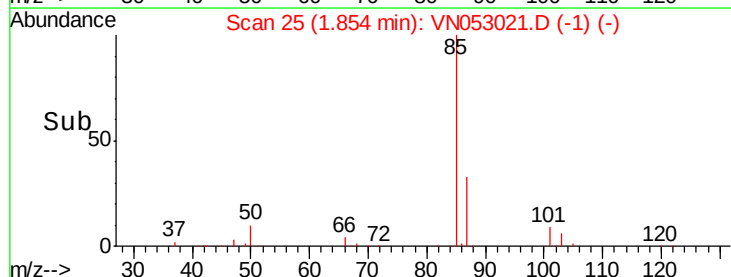
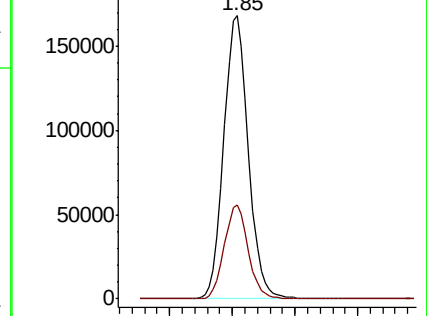
85 100

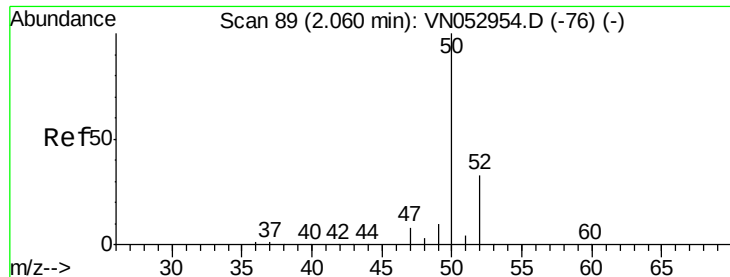
87 33.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.000 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

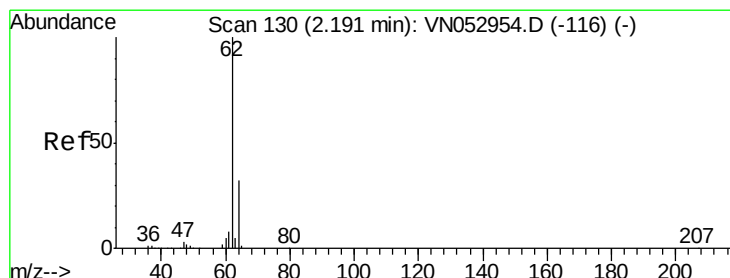
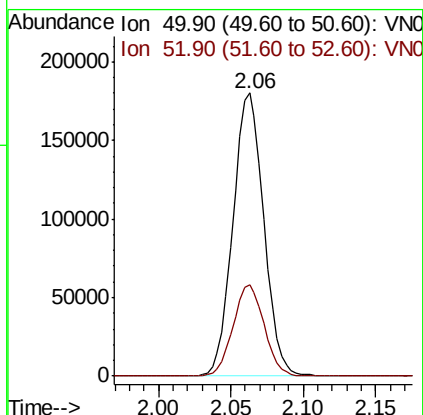
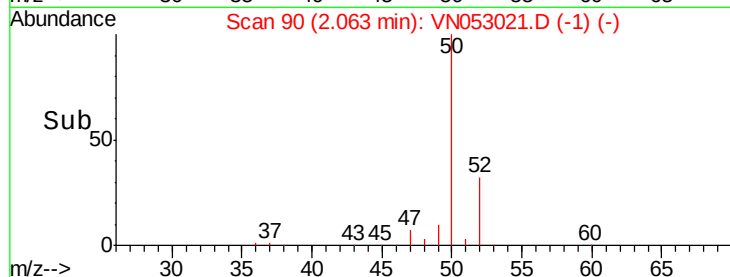
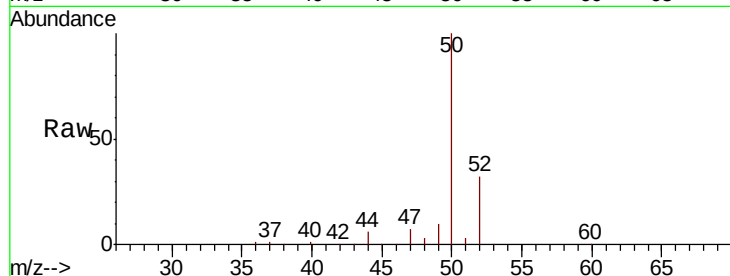
VN1219MBSD01

Tot Ion: 50 Resp: 265477

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.4



#4

Vinyl Chloride

Concen: 19.666 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053021.D

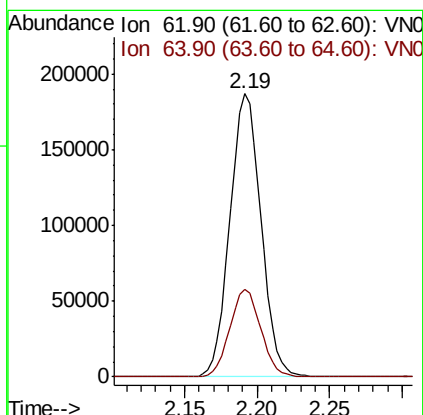
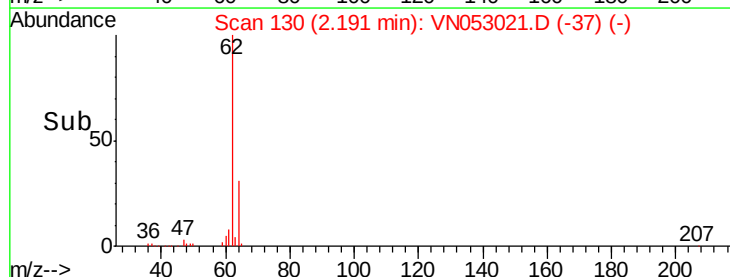
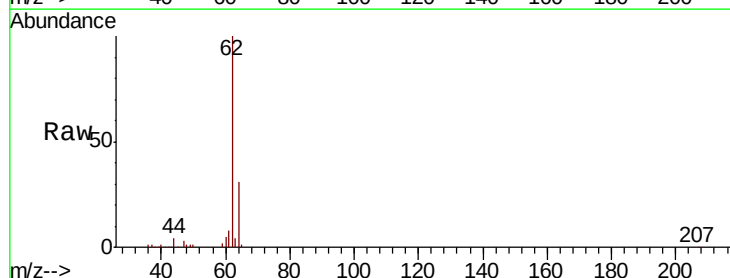
Acq: 19 Dec 2018 19:43

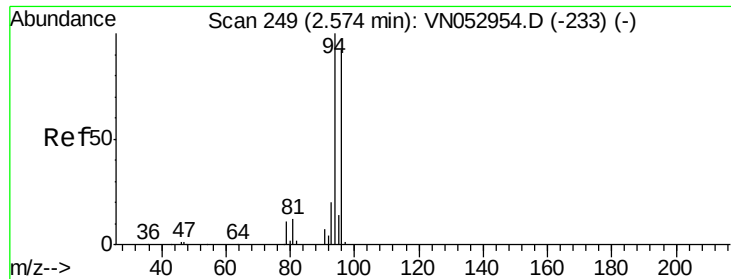
Tgt Ion: 62 Resp: 278285

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 18.031 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

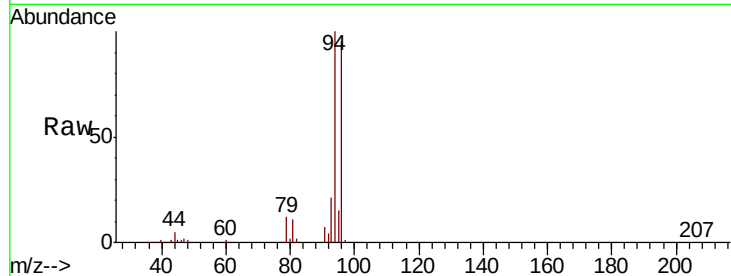
VN1219MBS01

Tot Ion: 94 Resp: 176778

Ion Ratio Lower Upper

94 100

96 95.4 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

100000

80000

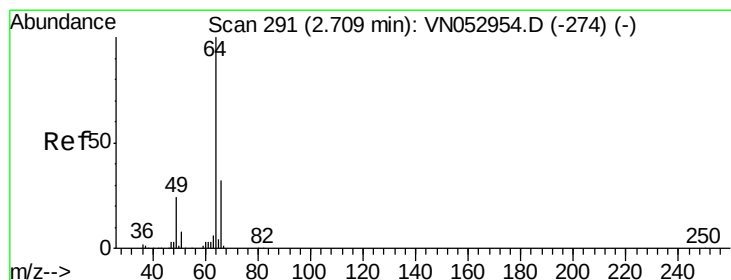
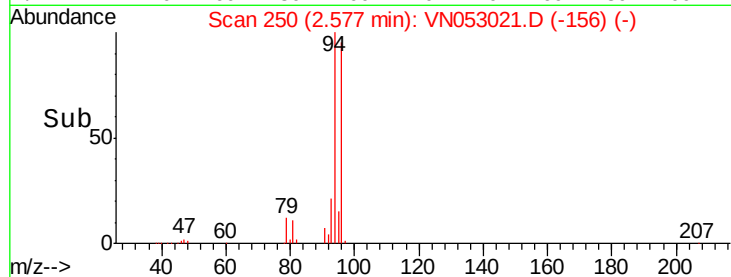
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 19.391 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053021.D

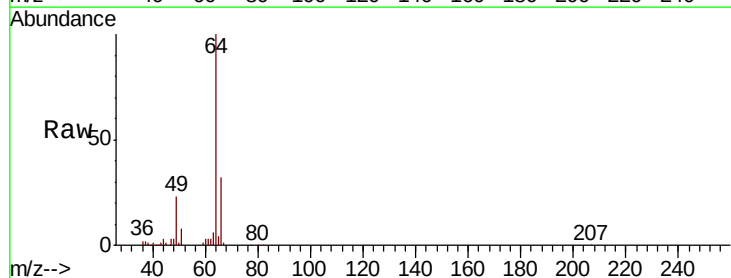
Acq: 19 Dec 2018 19:43

Tgt Ion: 64 Resp: 162508

Ion Ratio Lower Upper

64 100

66 32.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

100000

80000

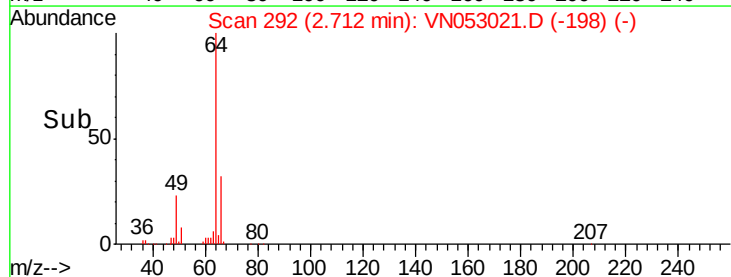
60000

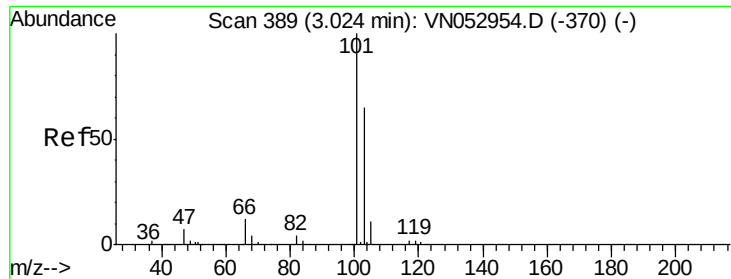
40000

20000

0

Time-->



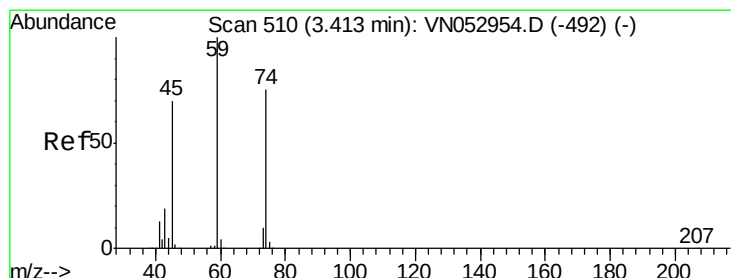
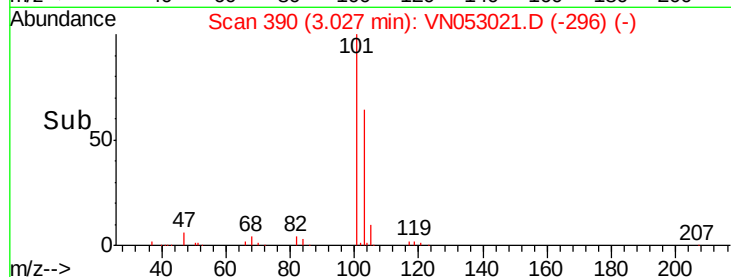
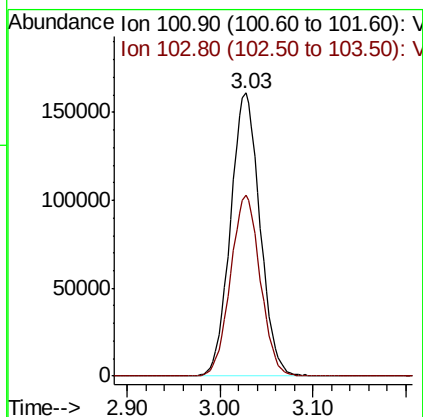
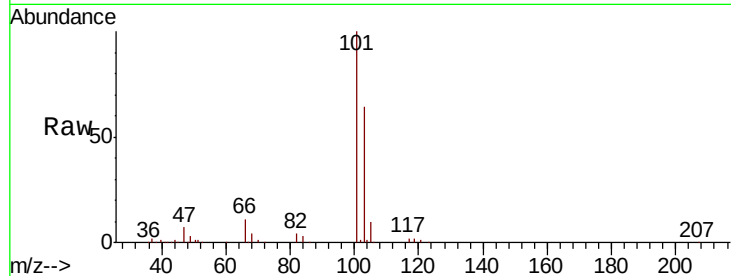


#7

Trichlorofluoromethane
 Concen: 20.160 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD01

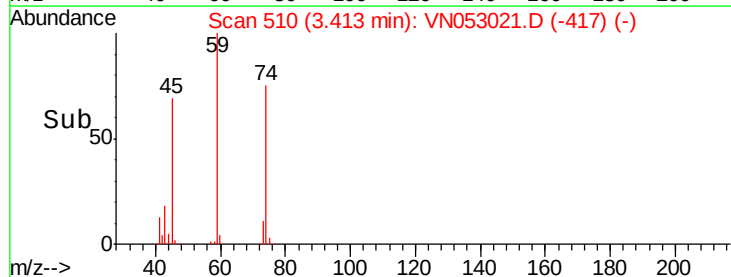
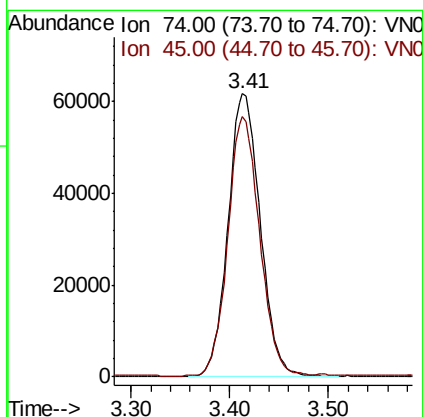
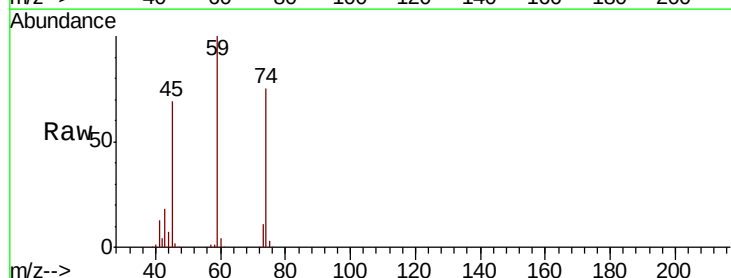
Tot Ion:101 Resp: 355387
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.8 77.6

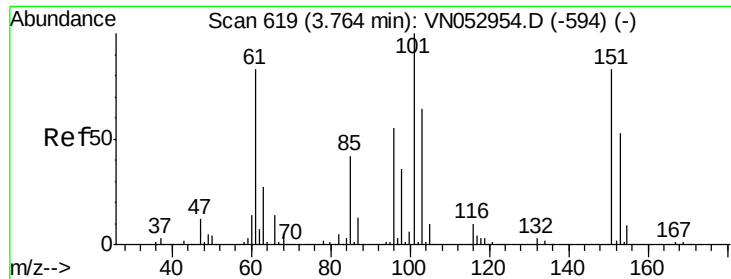


#8

Diethyl Ether
 Concen: 21.169 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

Tgt Ion: 74 Resp: 140782
 Ion Ratio Lower Upper
 74 100
 45 91.6 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.928 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD01

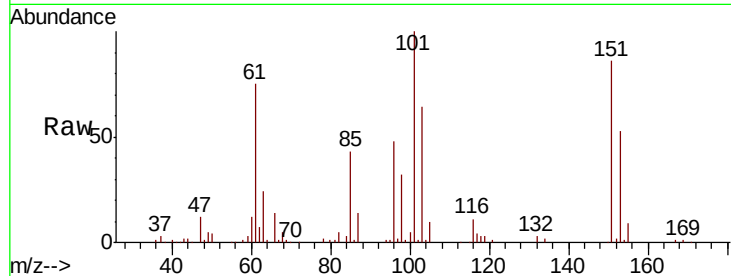
Tot Ion:101 Resp: 223984

Ion Ratio Lower Upper

101 100

85 41.2 33.6 50.4

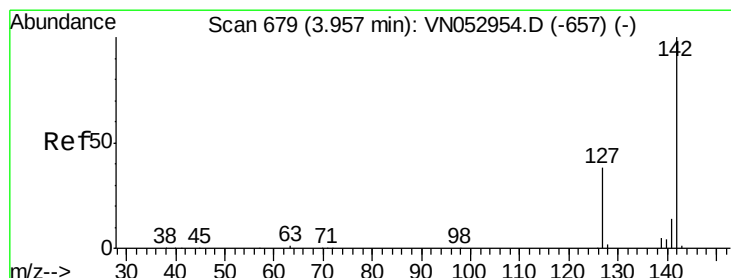
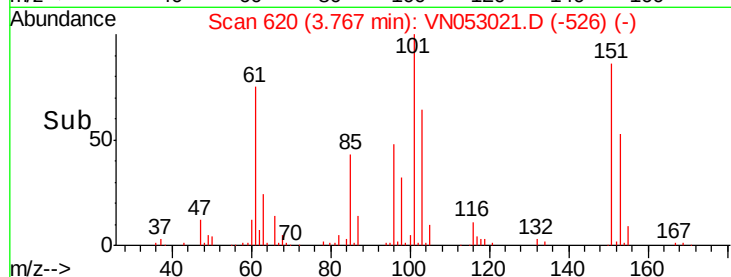
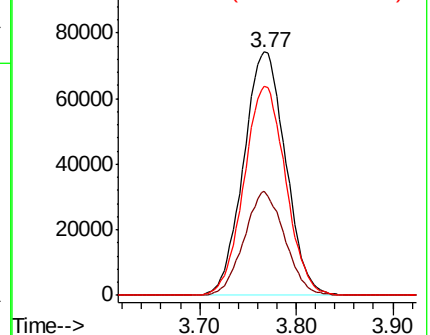
151 85.1 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.240 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

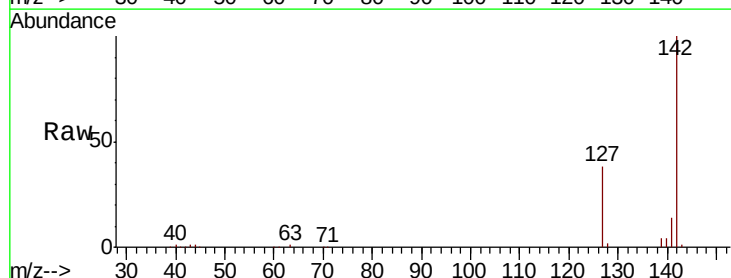
Tgt Ion:142 Resp: 303682

Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.6

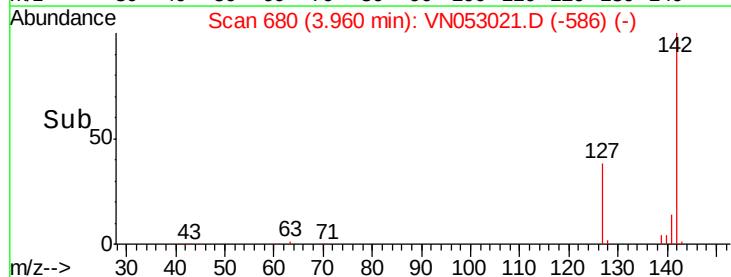
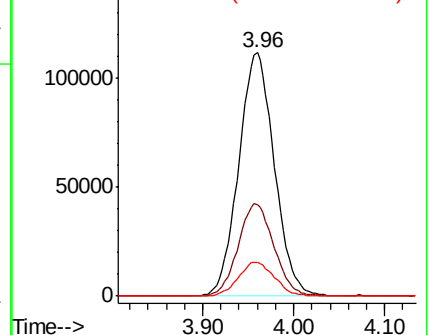
141 14.1 11.2 16.8

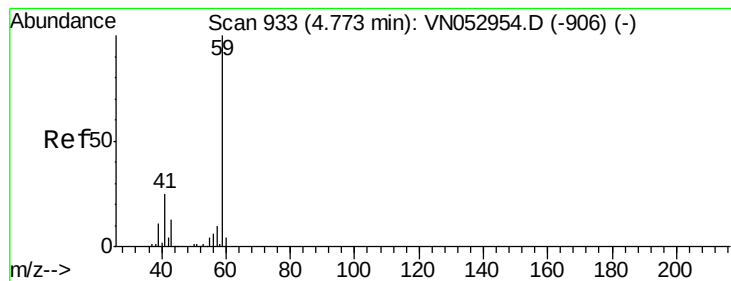


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



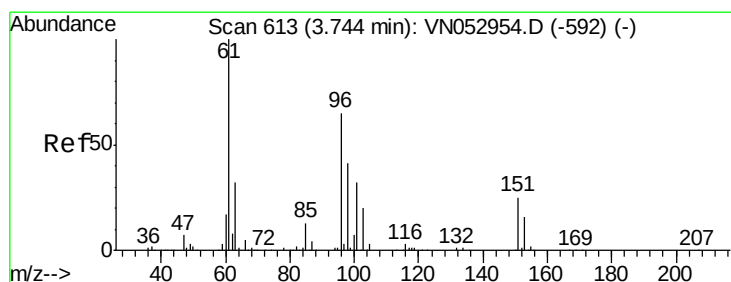
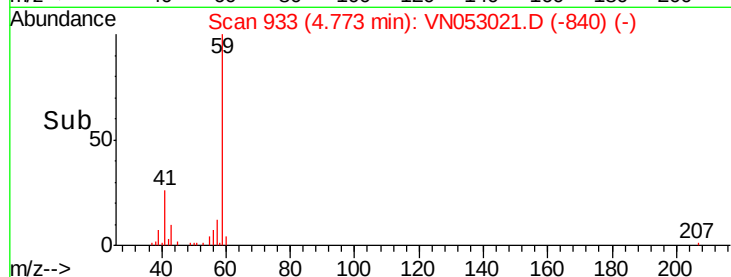
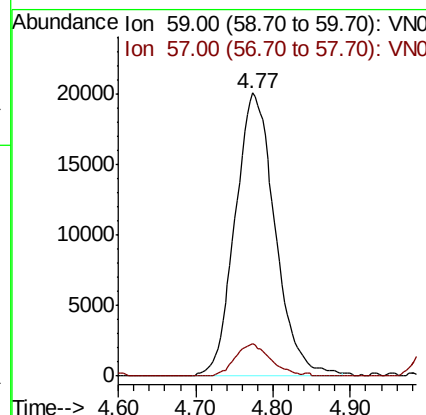
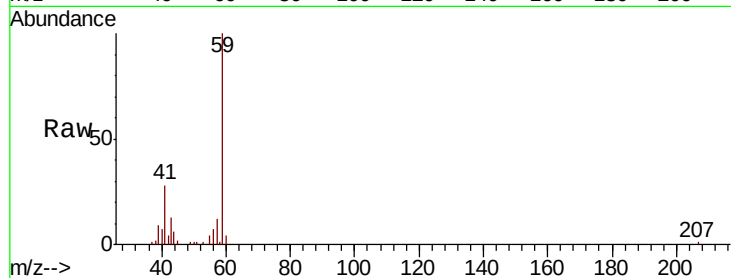


#11

Tert butyl alcohol
 Concen: 102.182 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD01

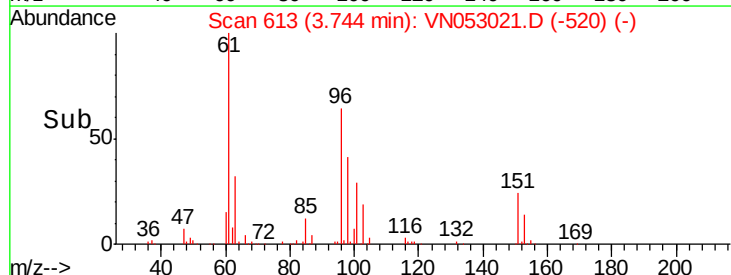
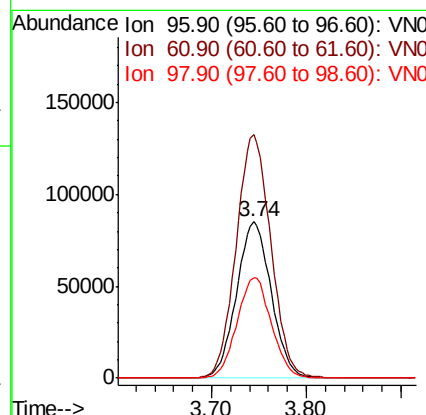
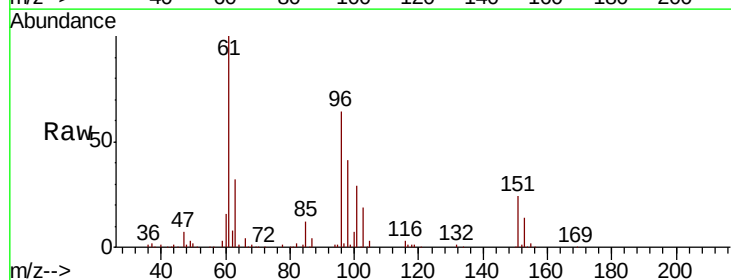
Tot Ion: 59 Resp: 72083
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.7 11.5

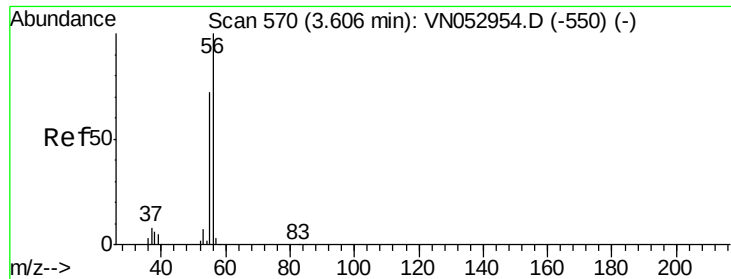


#12

1,1-Dichloroethene
 Concen: 20.008 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

Tgt Ion: 96 Resp: 217262
 Ion Ratio Lower Upper
 96 100
 61 155.9 125.6 188.4
 98 64.4 50.6 75.8





#13

Acrolein

Concen: 116.005 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

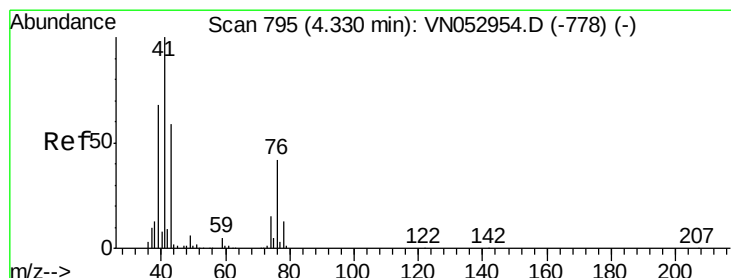
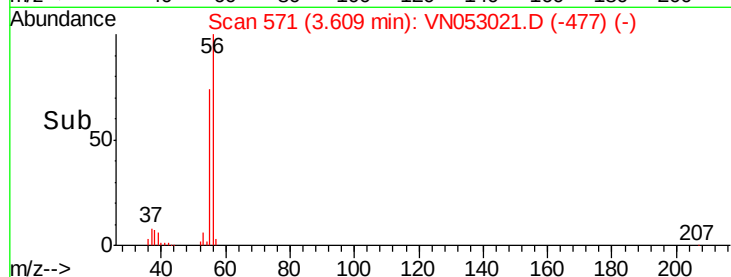
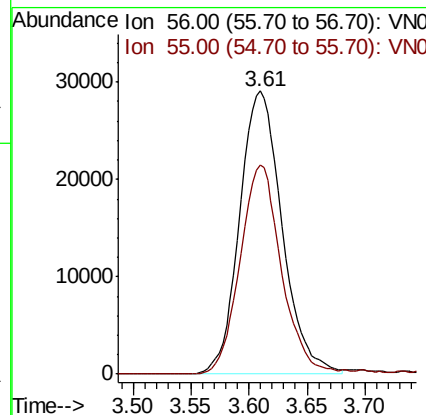
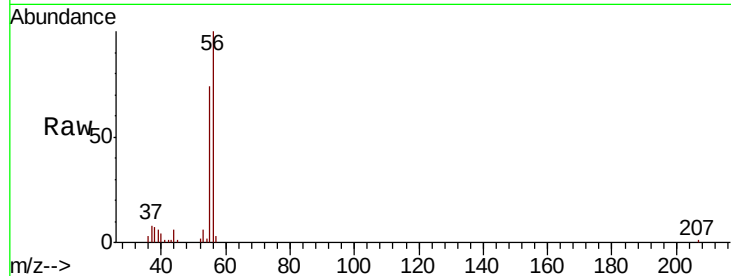
VN1219MBSD01

Tot Ion: 56 Resp: 74202

Ion Ratio Lower Upper

56 100

55 71.7 56.6 85.0



#14

Allyl chloride

Concen: 20.406 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

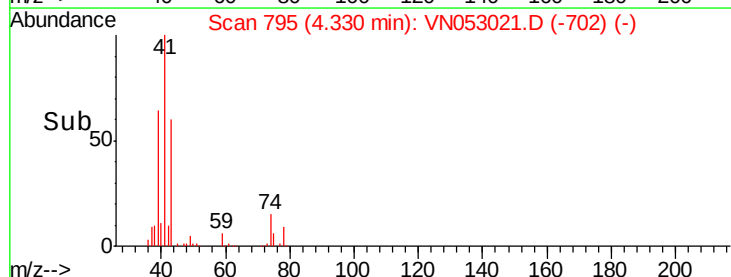
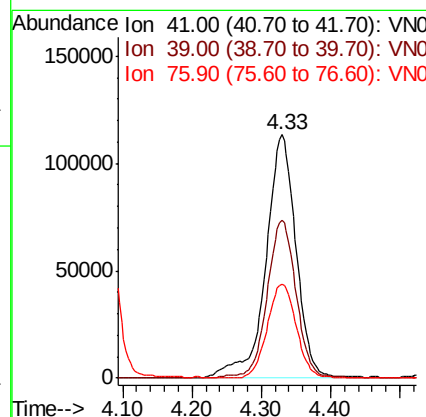
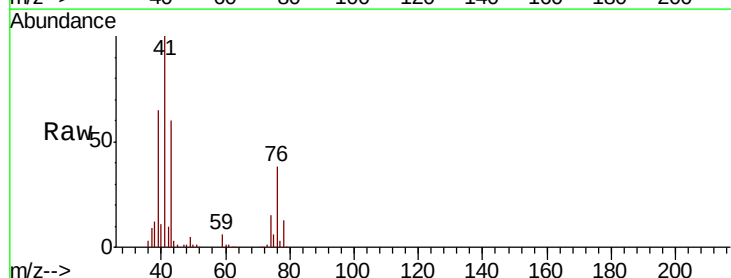
Tgt Ion: 41 Resp: 343234

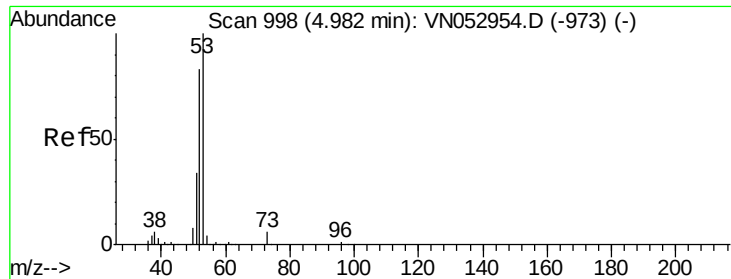
Ion Ratio Lower Upper

41 100

39 62.7 54.1 81.1

76 36.3 30.3 45.5





#15

Acrylonitrile

Concen: 100.698 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS01

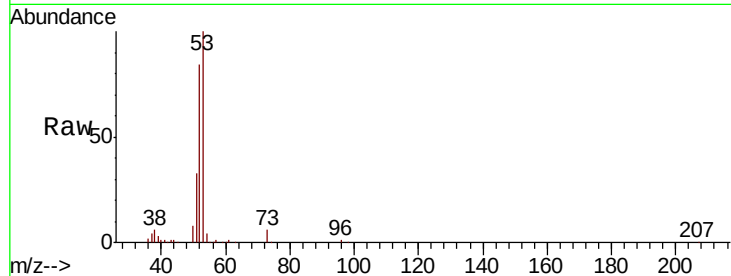
Tot Ion: 53 Resp: 394640

Ion Ratio Lower Upper

53 100

52 82.7 65.1 97.7

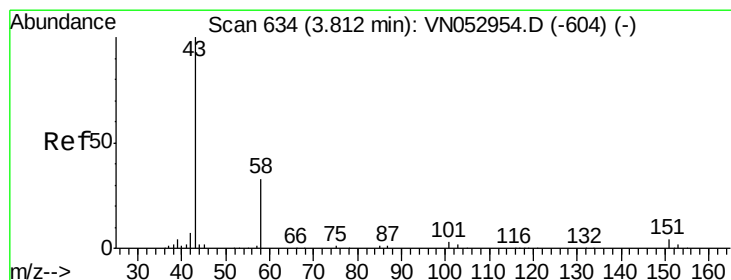
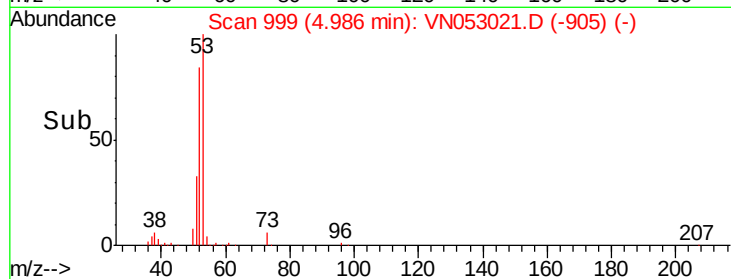
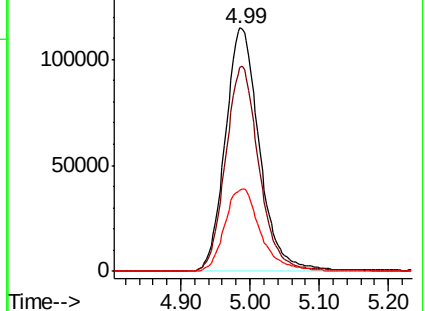
51 35.6 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 110.568 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053021.D

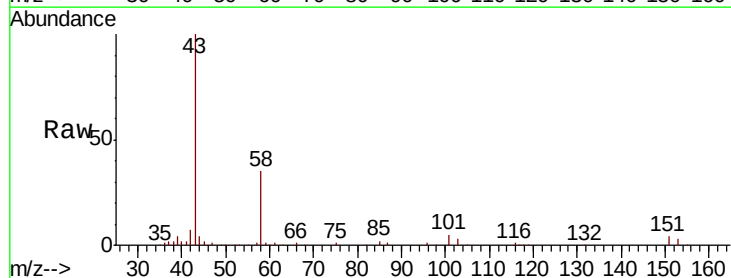
Acq: 19 Dec 2018 19:43

Tgt Ion: 43 Resp: 250639

Ion Ratio Lower Upper

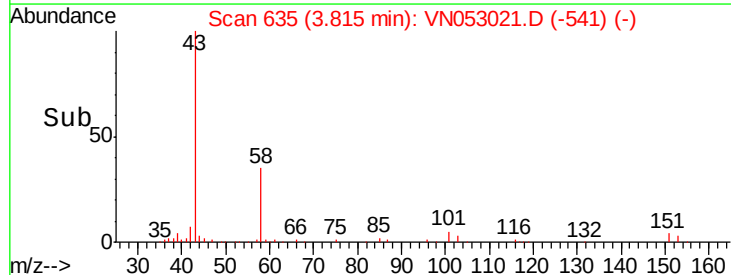
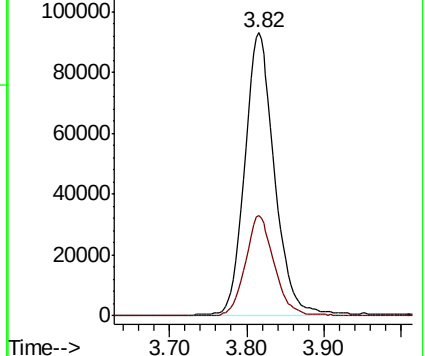
43 100

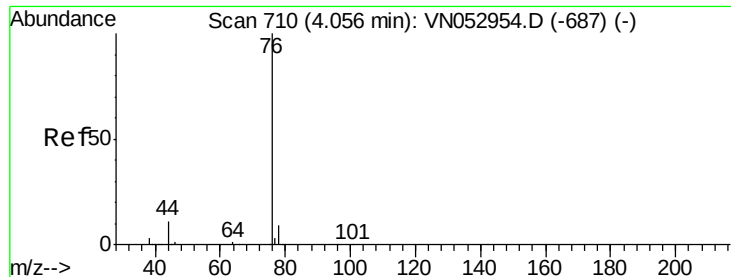
58 35.3 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.288 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampled :

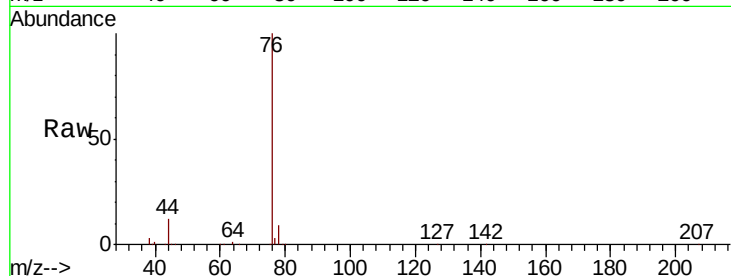
VN1219MBSD01

Tot Ion: 76 Resp: 612219

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN053021.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN053021.D (-617) (-)

4.06

250000

200000

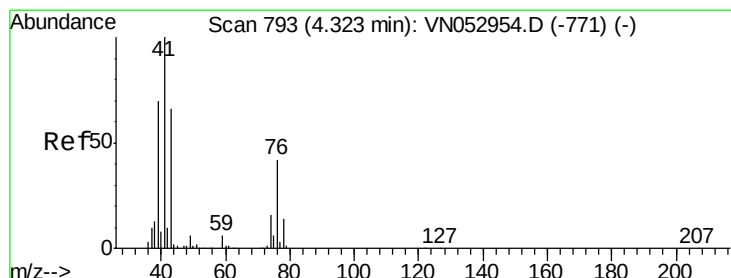
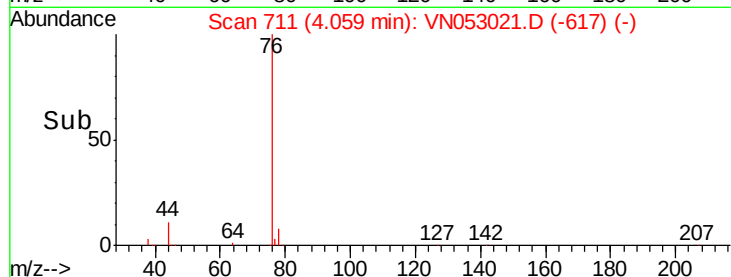
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.618 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053021.D

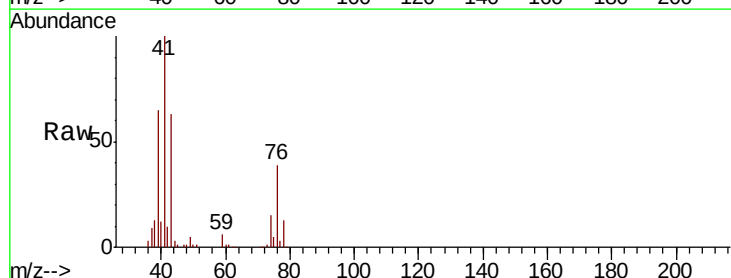
Acq: 19 Dec 2018 19:43

Tgt Ion: 43 Resp: 206016

Ion Ratio Lower Upper

43 100

74 24.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN053021.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN053021.D (-700) (-)

4.33

80000

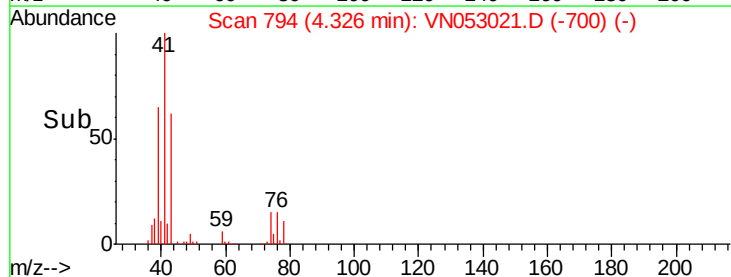
60000

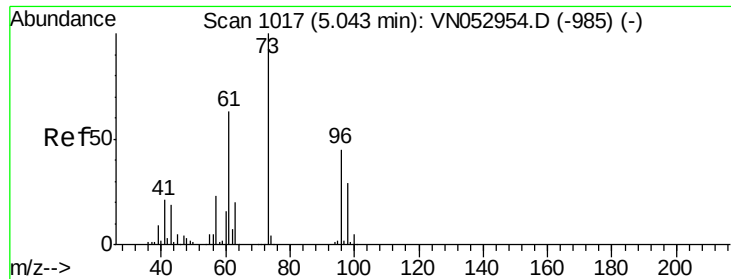
40000

20000

0

Time-->

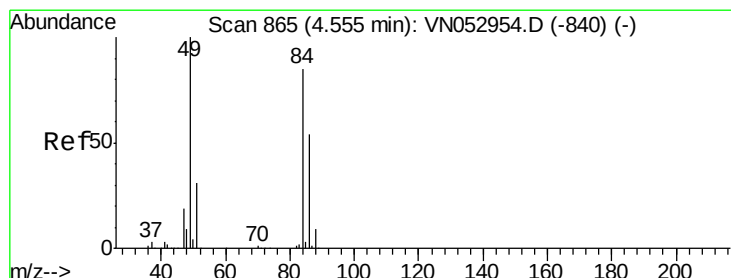
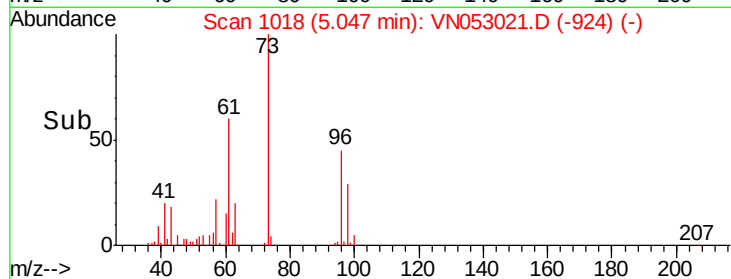
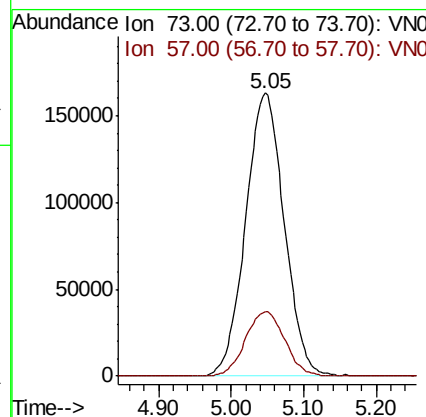
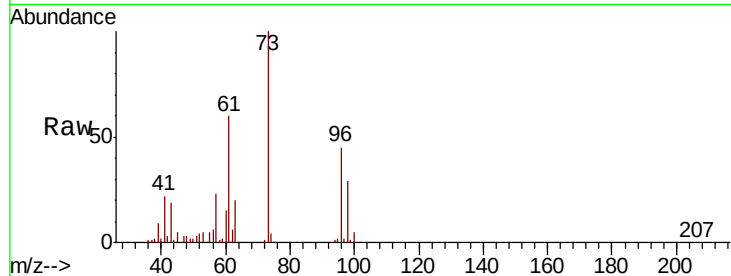




#19
Methyl tert-butyl Ether
Concen: 20.755 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

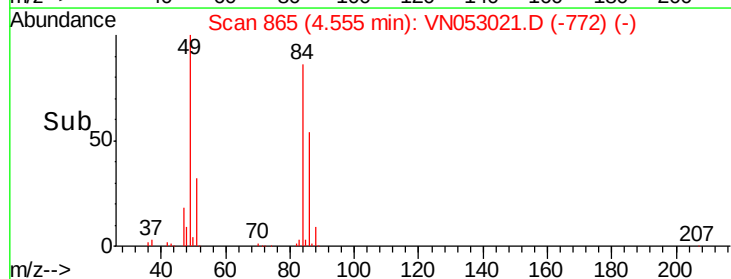
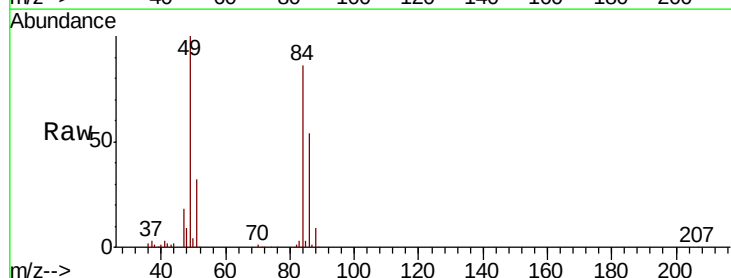
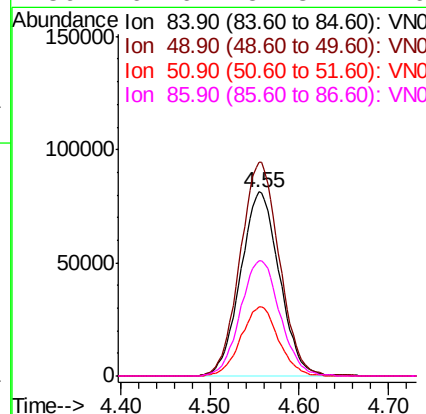
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD01

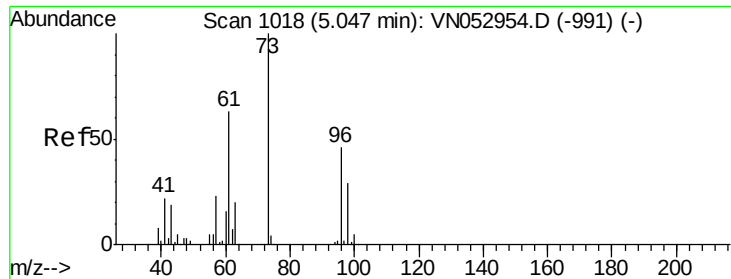
Tot Ion: 73 Resp: 603116
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6



#20
Methylene Chloride
Concen: 19.975 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Tgt Ion: 84 Resp: 247003
Ion Ratio Lower Upper
84 100
49 115.9 96.8 145.2
51 37.2 29.9 44.9
86 62.6 51.8 77.6

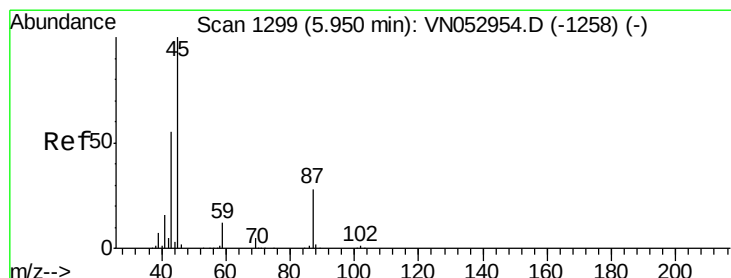
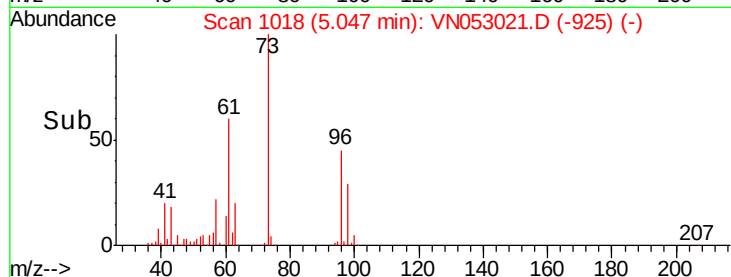
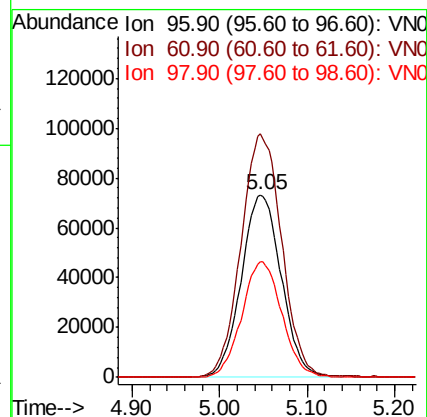
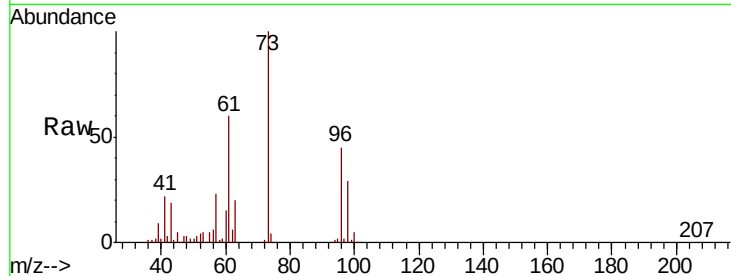




#21
trans-1,2-Dichloroethene
Concen: 19.974 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

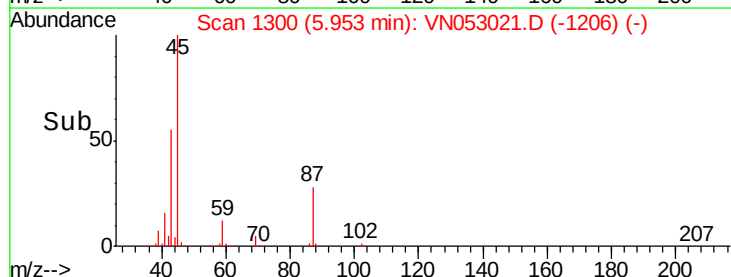
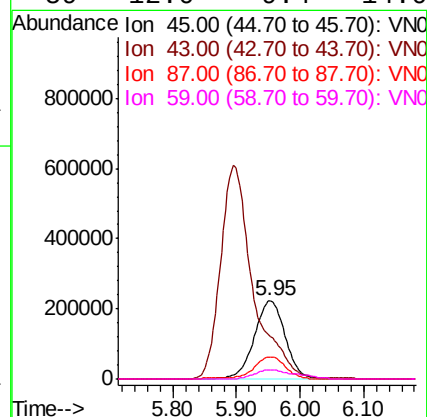
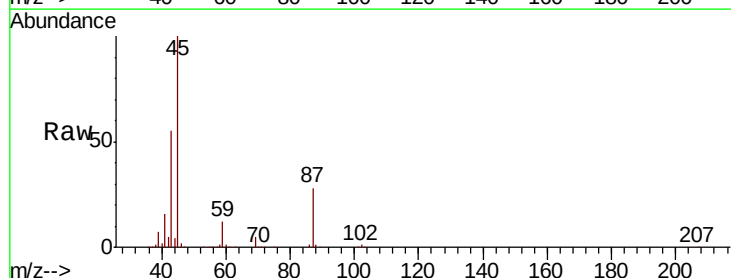
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

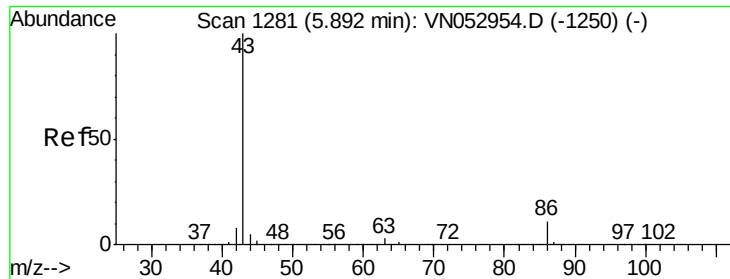
Tot Ion: 96 Resp: 233038
Ion Ratio Lower Upper
96 100
61 133.3 110.8 166.2
98 63.5 51.4 77.2



#22
Diisopropyl ether
Concen: 21.017 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Tgt Ion: 45 Resp: 754562
Ion Ratio Lower Upper
45 100
43 53.7 45.5 68.3
87 28.3 22.0 33.0
59 12.0 9.4 14.0





#23

Vinyl Acetate

Concen: 105.046 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

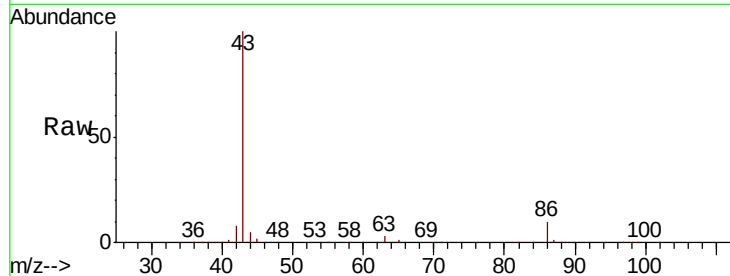
VN1219MBSD01

Tot Ion: 43 Resp: 2168655

Ion Ratio Lower Upper

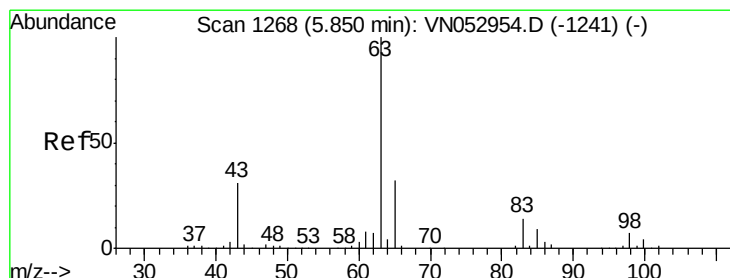
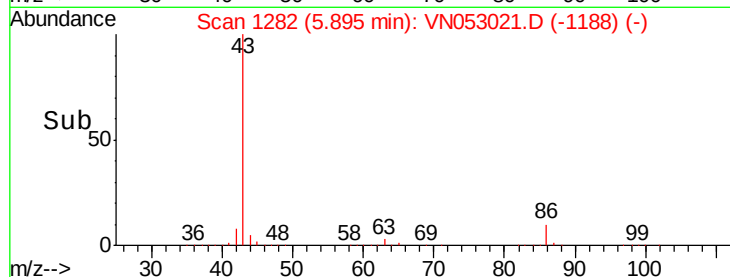
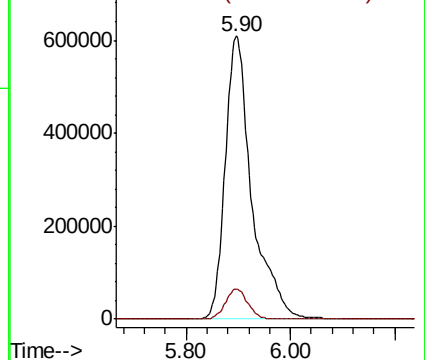
43 100

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



#24

1,1-Dichloroethane

Concen: 20.260 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

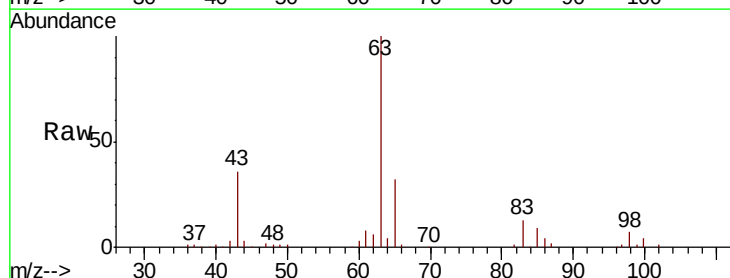
Tgt Ion: 63 Resp: 432220

Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.4

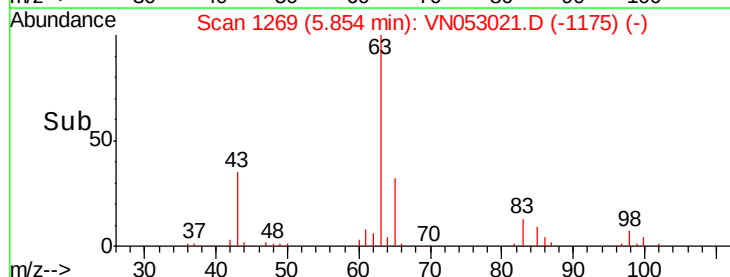
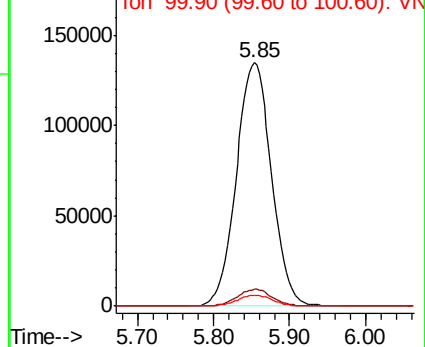
100 4.4 2.0 5.8

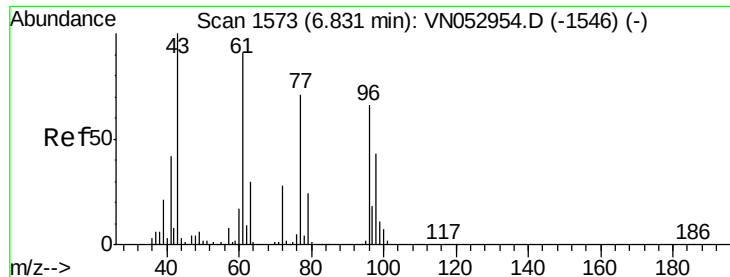


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 109.304 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

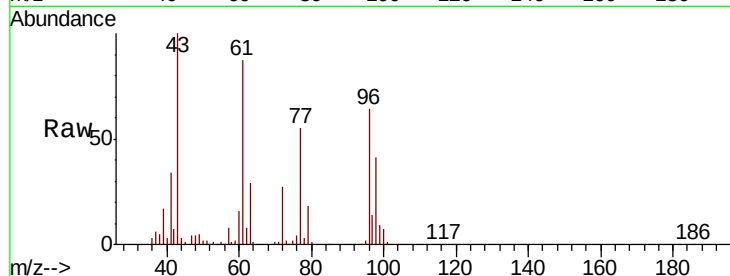
VN1219MBSD01

Tot Ion: 43 Resp: 415827

Ion Ratio Lower Upper

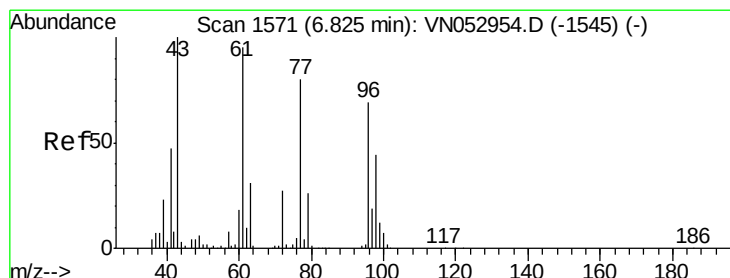
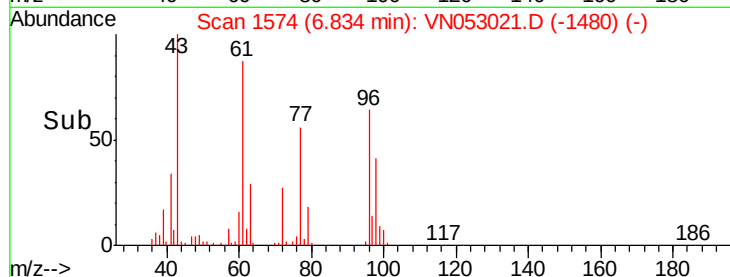
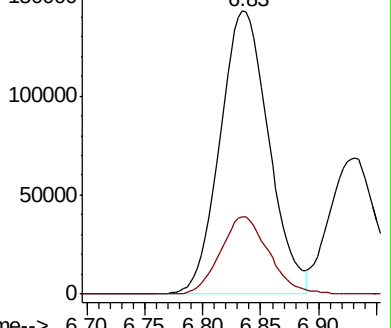
43 100

72 27.5 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 16.403 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053021.D

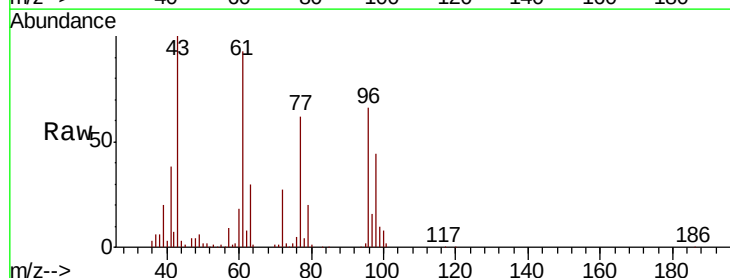
Acq: 19 Dec 2018 19:43

Tgt Ion: 77 Resp: 267135

Ion Ratio Lower Upper

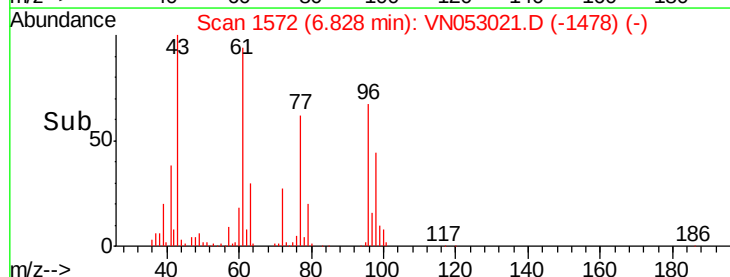
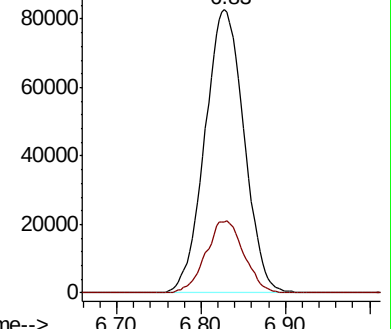
77 100

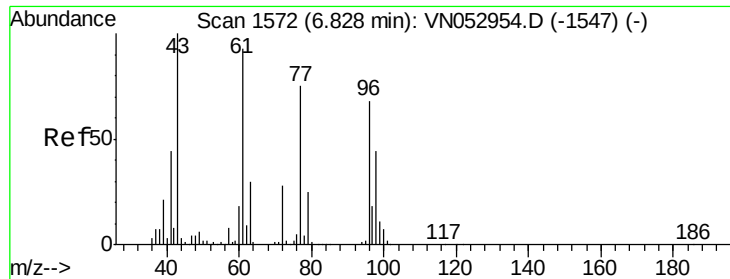
97 24.7 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.223 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBS01

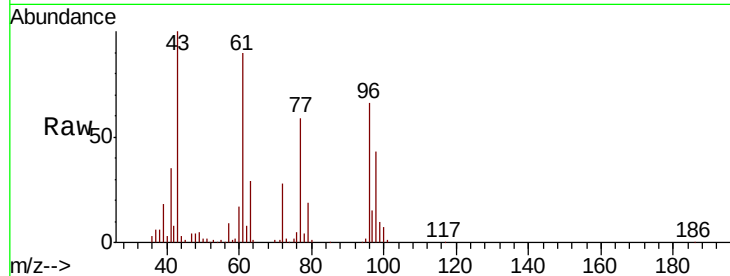
Tot Ion: 96 Resp: 267111

Ion Ratio Lower Upper

96 100

61 137.5 0.0 284.2

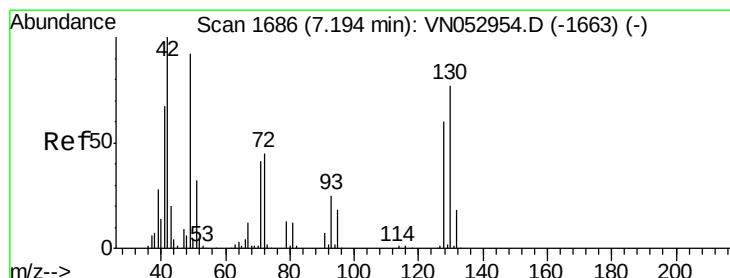
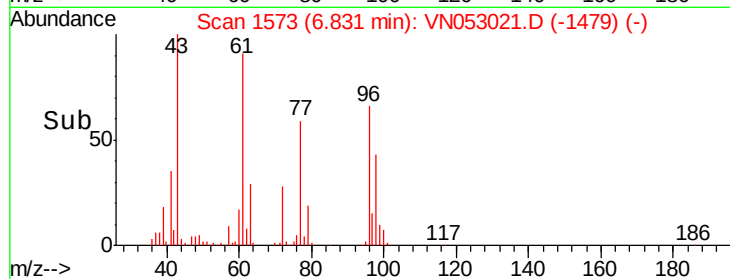
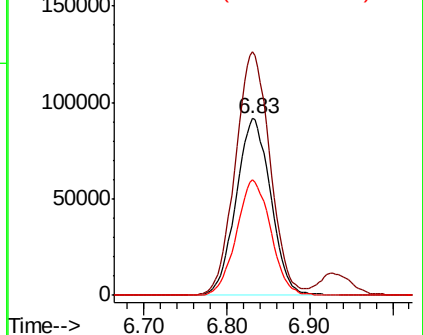
98 64.6 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.157 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

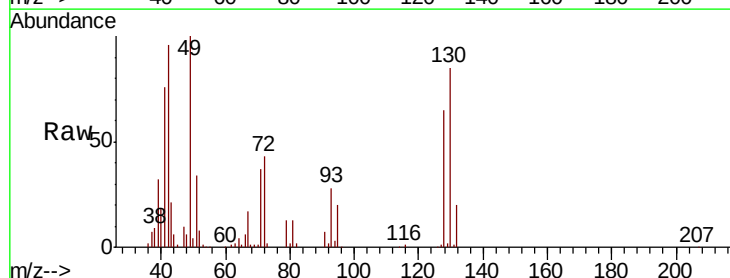
Tgt Ion: 49 Resp: 186341

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

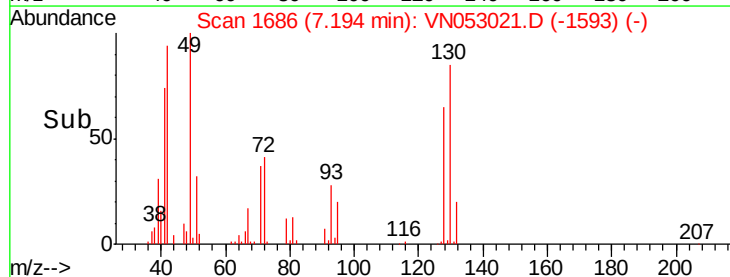
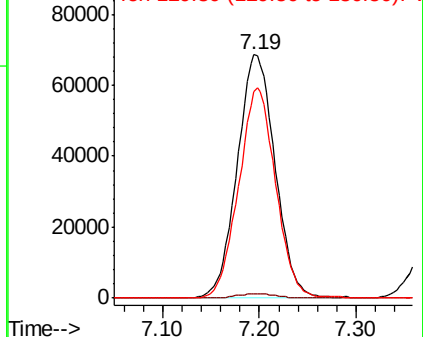
130 84.2 63.3 94.9

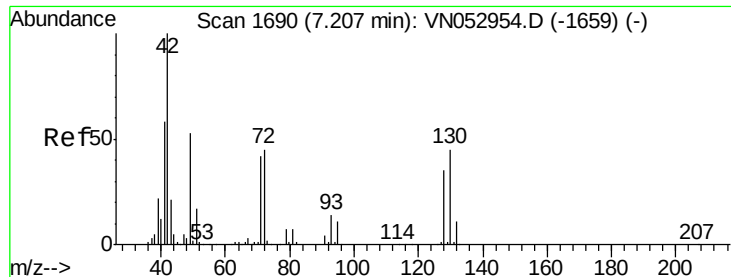


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

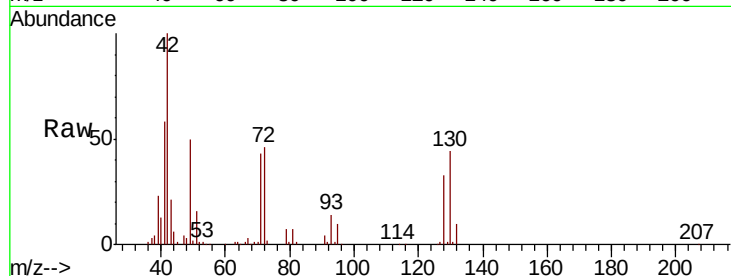




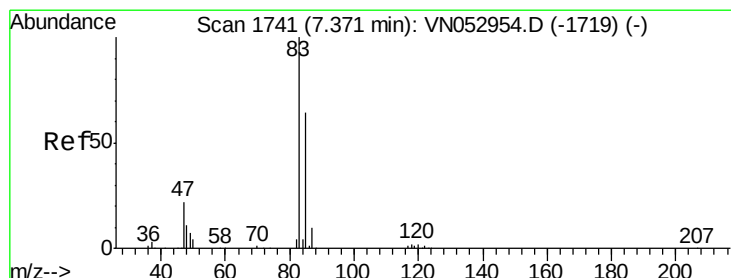
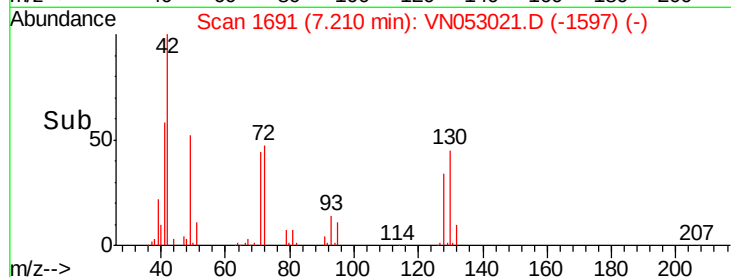
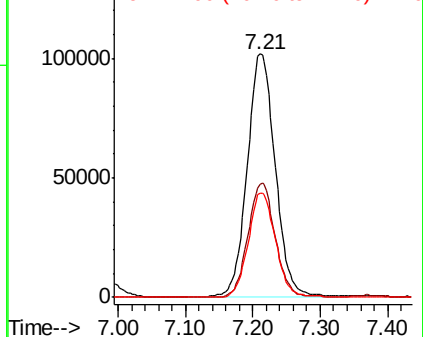
#29
Tetrahydrofuran
Concen: 103.275 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Instrument :
MSVOA_N
ClientSampled :
VN1219MBSD01

Tot Ion: 42 Resp: 293439
Ion Ratio Lower Upper
42 100
72 45.8 34.7 52.1
71 41.8 32.3 48.5

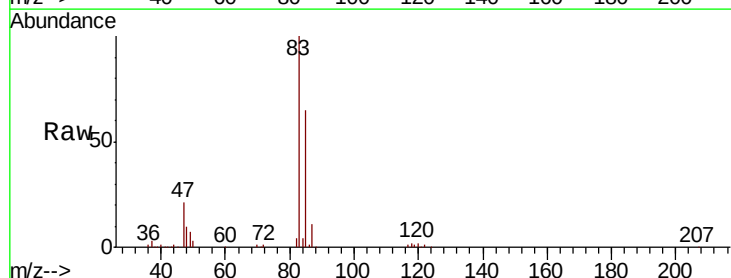


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

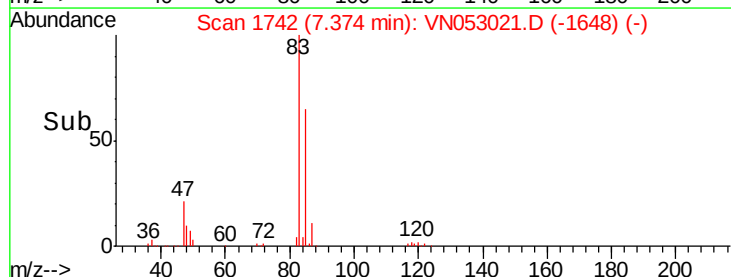
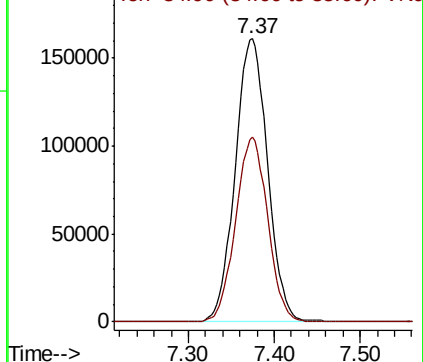


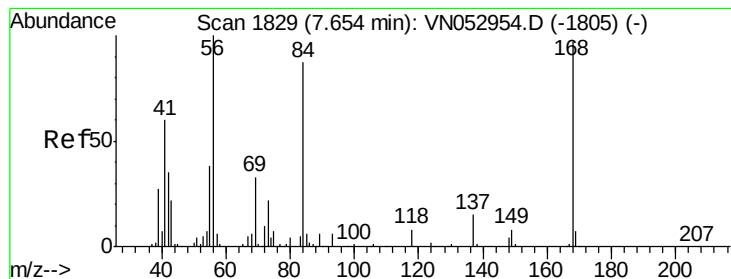
#30
Chloroform
Concen: 20.113 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Tgt Ion: 83 Resp: 421509
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: 20.287 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD01

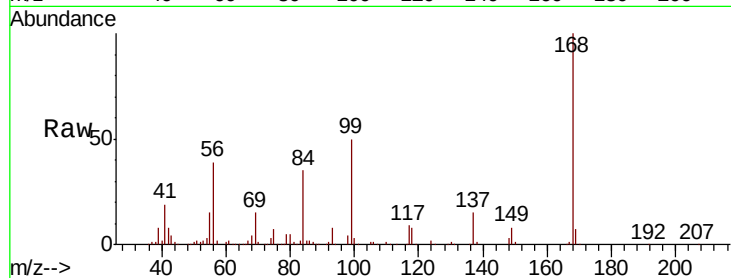
Tot Ion: 56 Resp: 418424

Ion Ratio Lower Upper

56 100

69 37.5 26.6 39.8

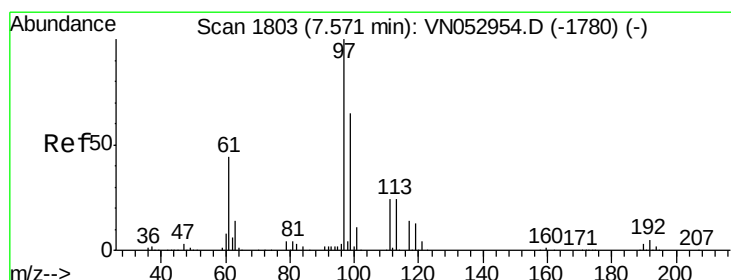
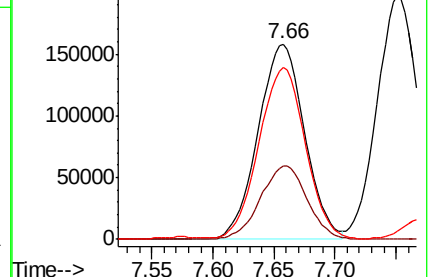
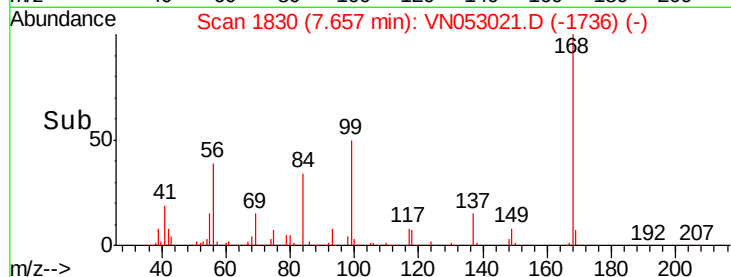
84 87.0 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053021.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053021.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053021.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 19.497 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

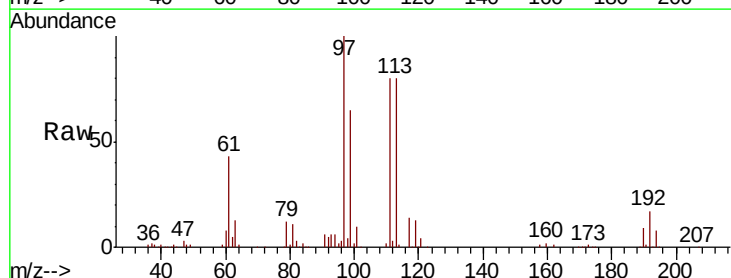
Tgt Ion: 97 Resp: 348080

Ion Ratio Lower Upper

97 100

99 64.6 51.1 76.7

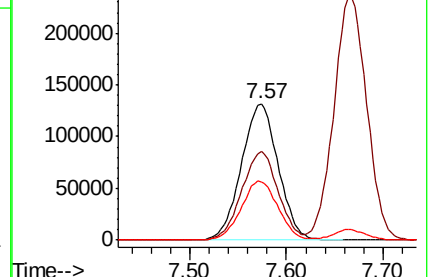
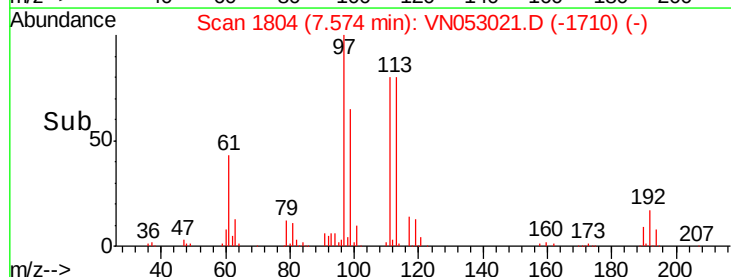
61 43.5 35.0 52.6

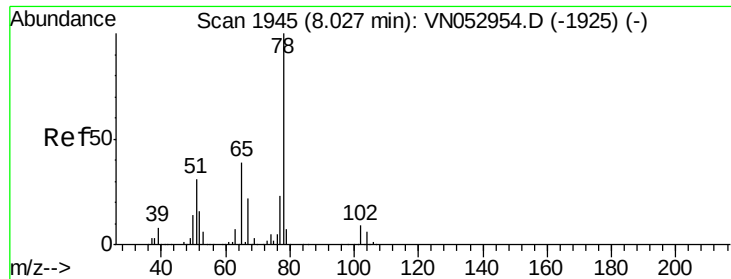


Abundance Ion 96.90 (96.60 to 97.60): VN053021.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053021.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053021.D (-1710) (-)

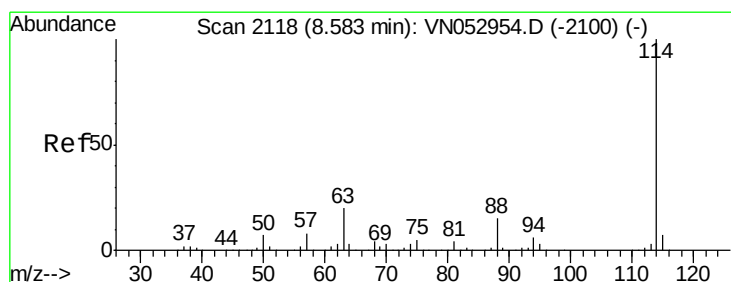
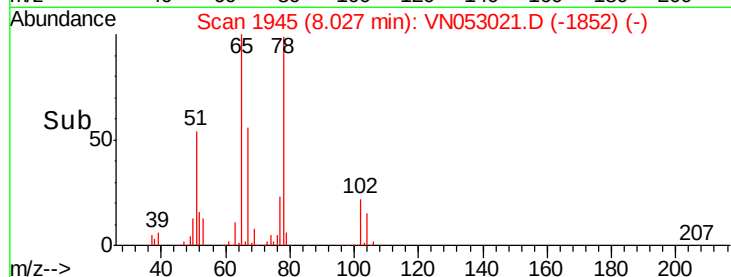
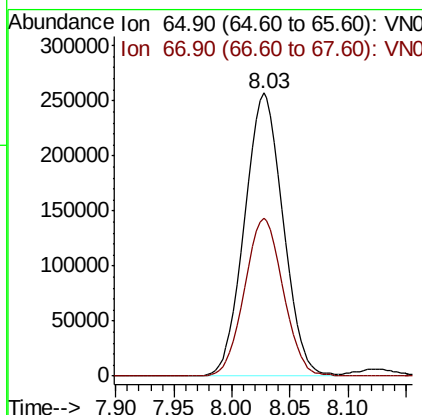
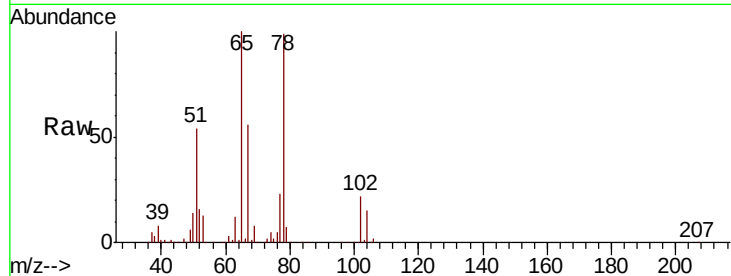




#33
 1,2-Dichloroethane-d4
 Concen: 19.497 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

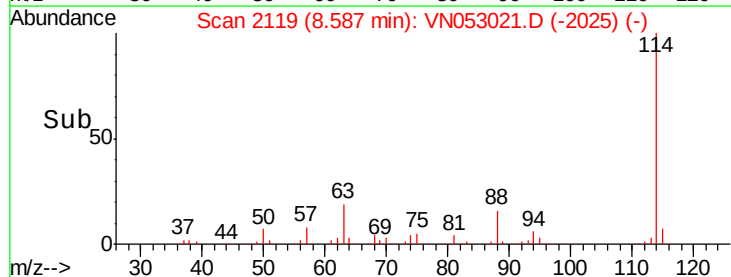
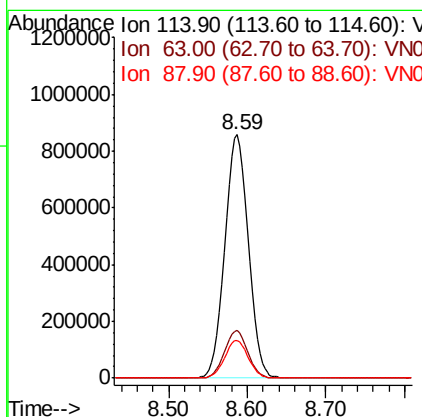
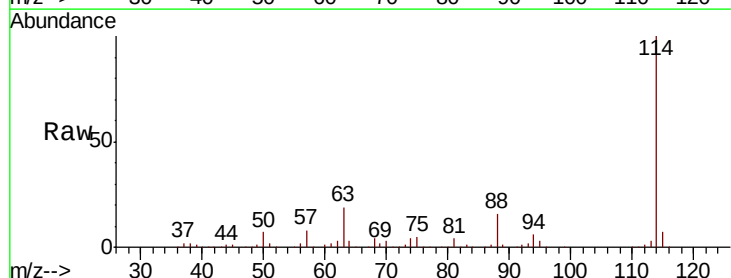
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD01

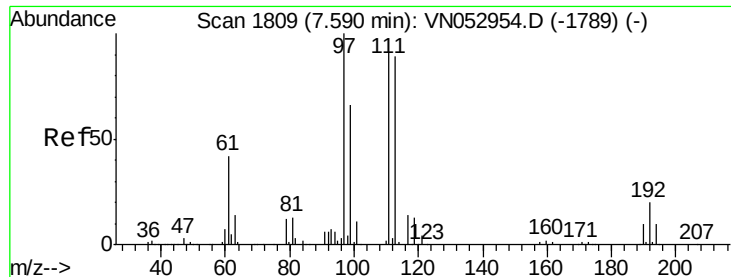
Tot Ion: 65 Resp: 596222
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

Tgt Ion: 114 Resp: 1764749
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.6 0.0 31.0

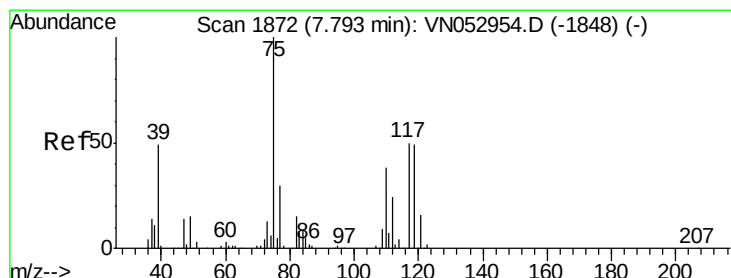
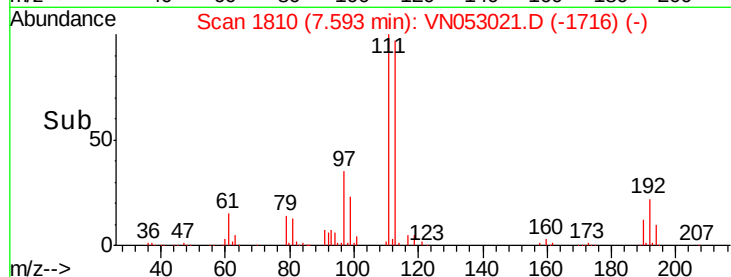
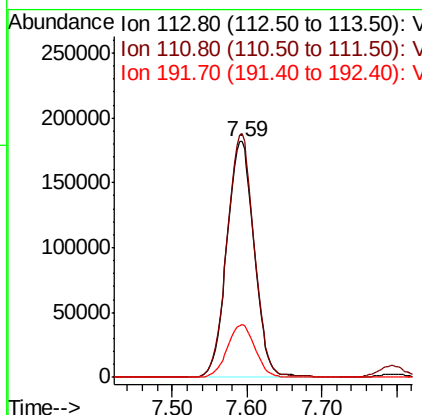
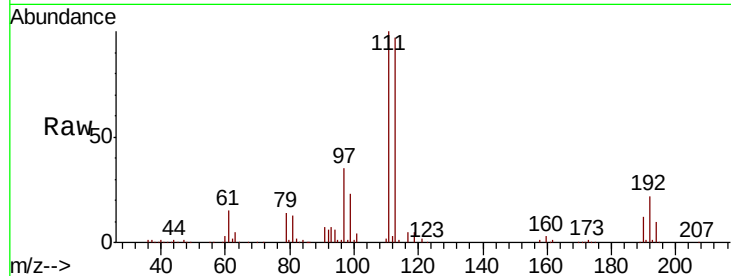




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

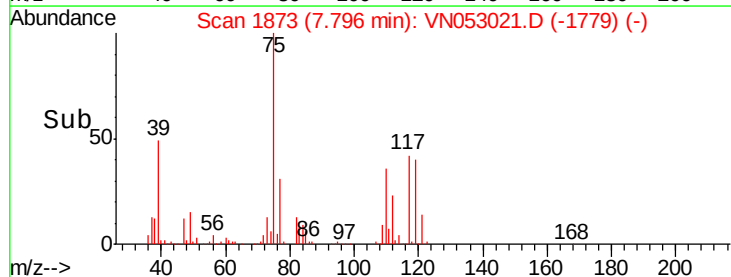
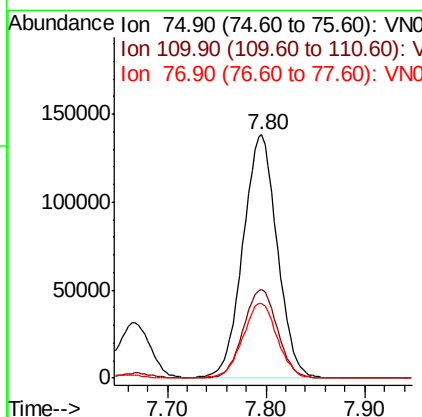
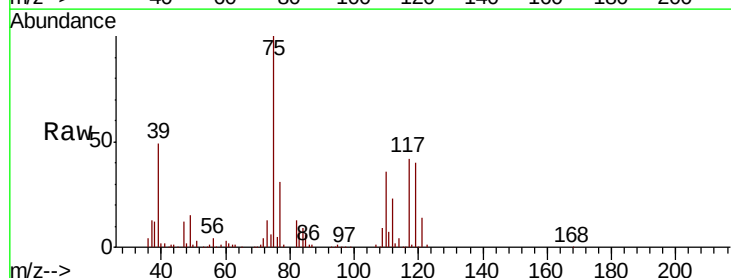
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD01

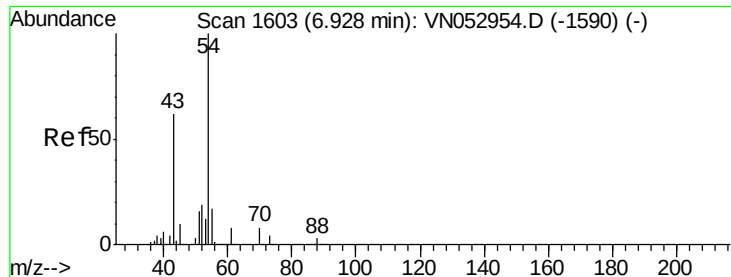
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.0	124.4
192	22.5	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 19.455 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.2	54.6
77	31.3	24.9	37.3

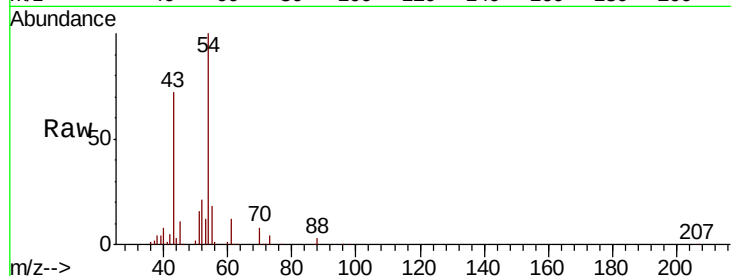




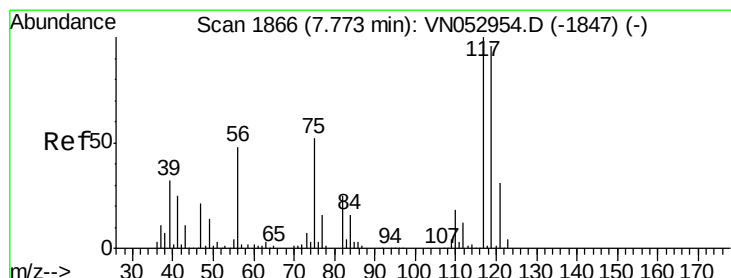
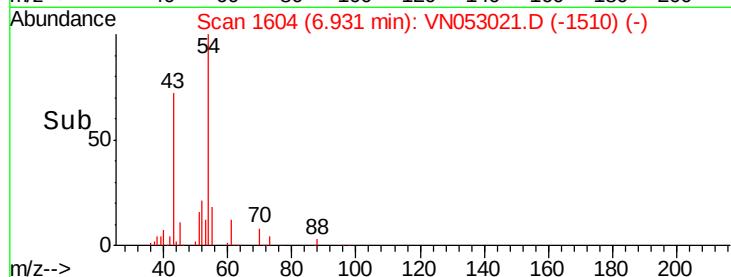
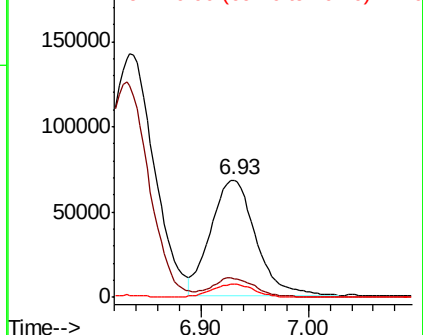
#37
Ethyl Acetate
Concen: 20.856 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

Tot Ion: 43 Resp: 197217
Ion Ratio Lower Upper
43 100
61 15.6 11.8 17.6
70 10.8 8.4 12.6

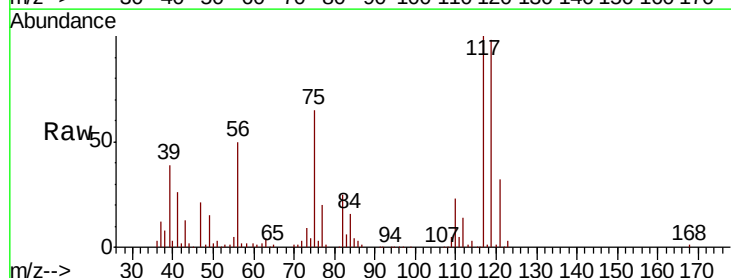


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

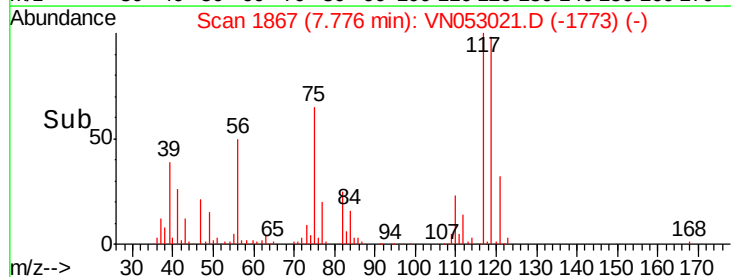
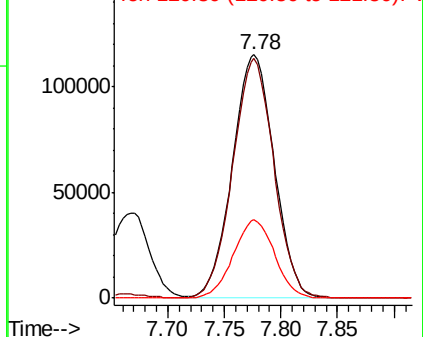


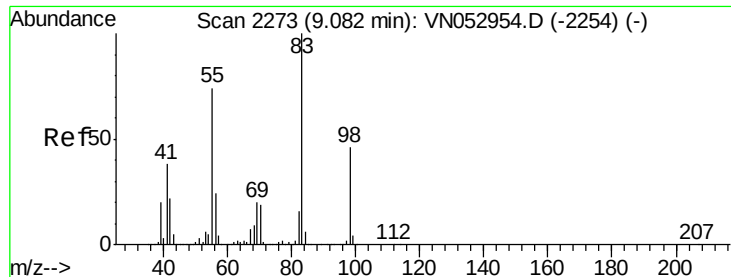
#38
Carbon Tetrachloride
Concen: 18.992 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Tgt Ion: 117 Resp: 294863
Ion Ratio Lower Upper
117 100
119 98.6 77.1 115.7
121 32.1 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

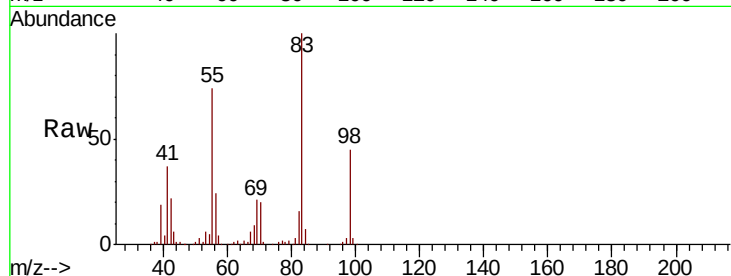




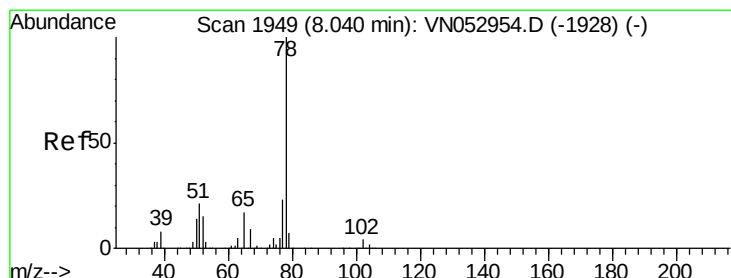
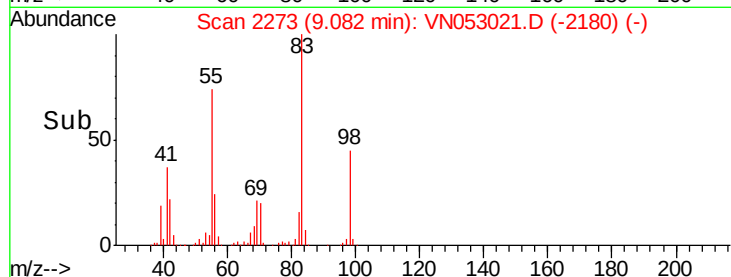
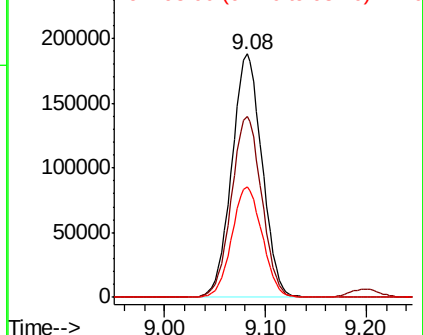
#39
Methylvlcyclohexane
Concen: 19.045 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD01

Tot Ion: 83 Resp: 391894
Ion Ratio Lower Upper
83 100
55 74.2 61.3 91.9
98 45.2 37.0 55.4

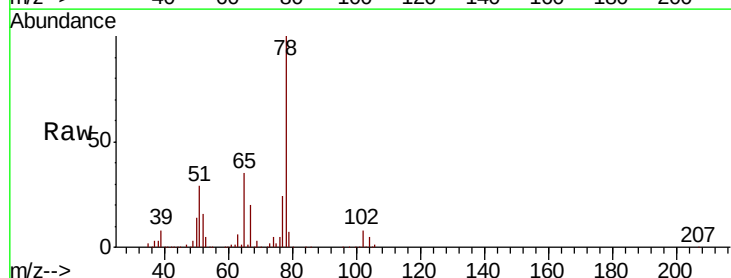


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

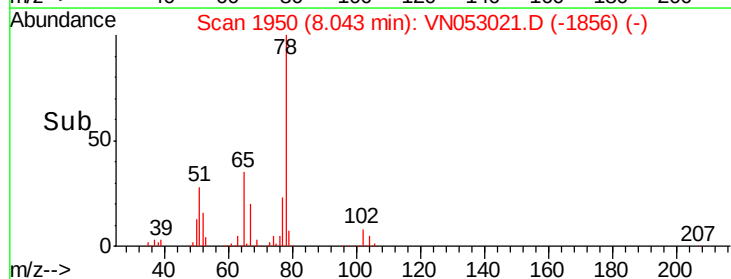
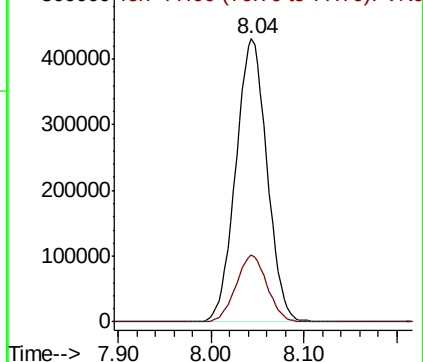


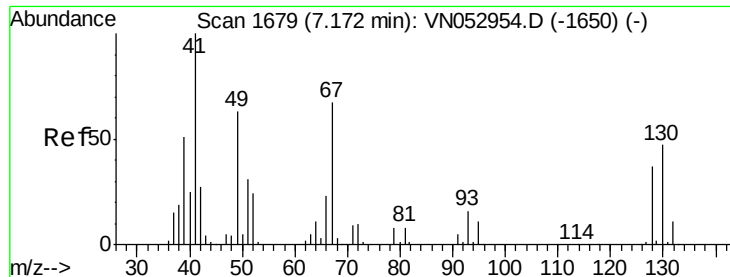
#40
Benzene
Concen: 19.975 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Tgt Ion: 78 Resp: 1006417
Ion Ratio Lower Upper
78 100
77 23.5 18.5 27.7



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

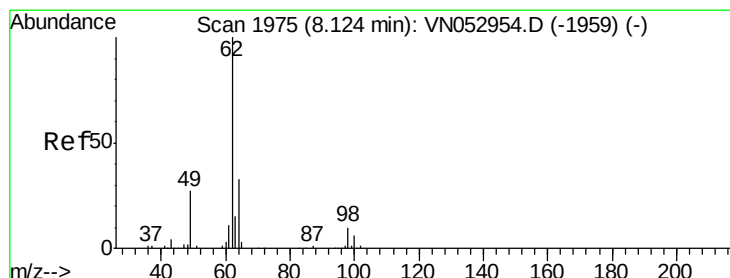
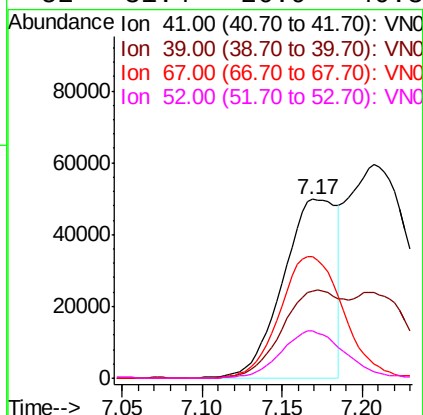
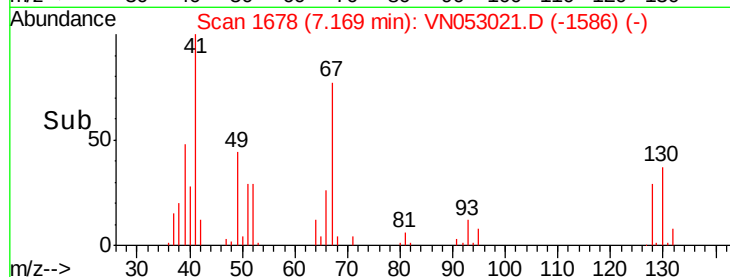
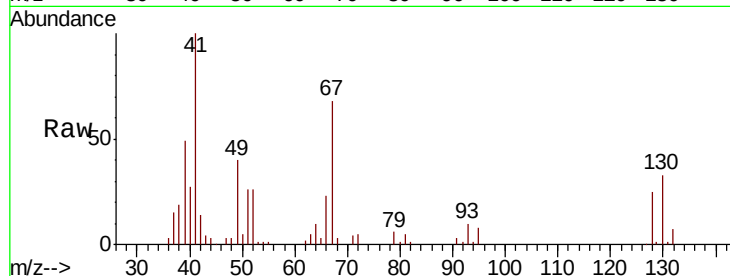




#41
Methacrylonitrile
Concen: 21.427 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

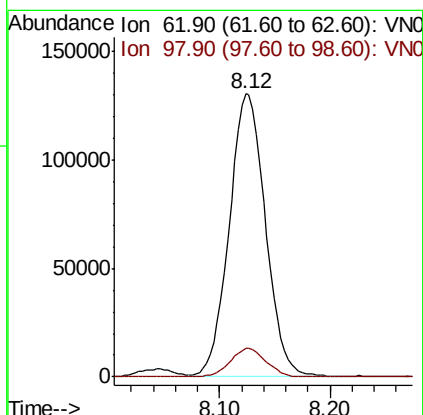
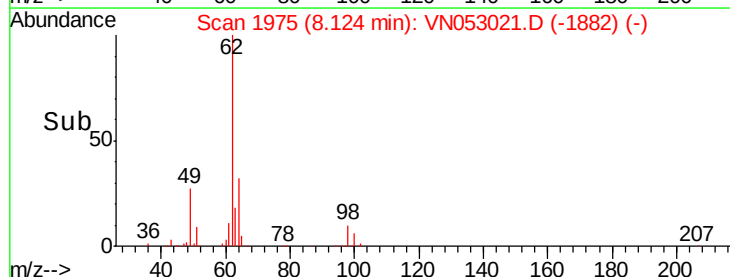
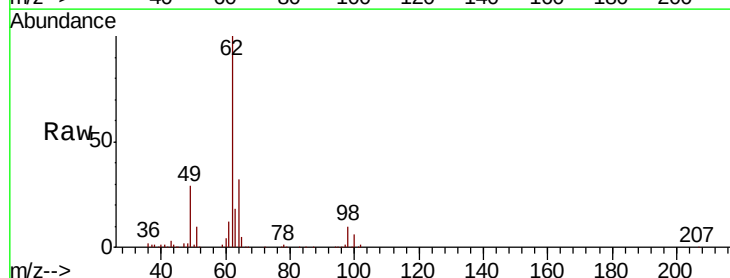
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD01

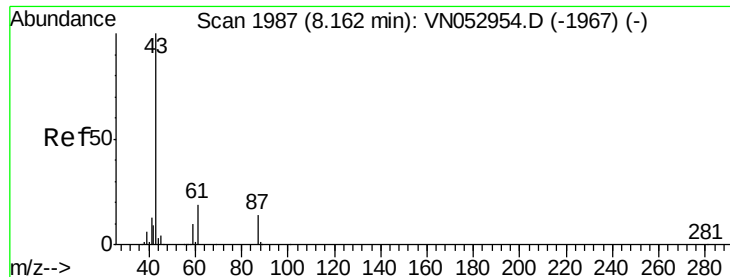
Tot Ion: 41 Resp: 117067
Ion Ratio Lower Upper
41 100
39 56.6 48.0 72.0
67 80.4 70.3 105.5
52 31.4 26.9 40.3



#42
1,2-Dichloroethane
Concen: 19.823 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Tgt Ion: 62 Resp: 295048
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.0





#43

Isopropyl Acetate

Concen: 20.169 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD01

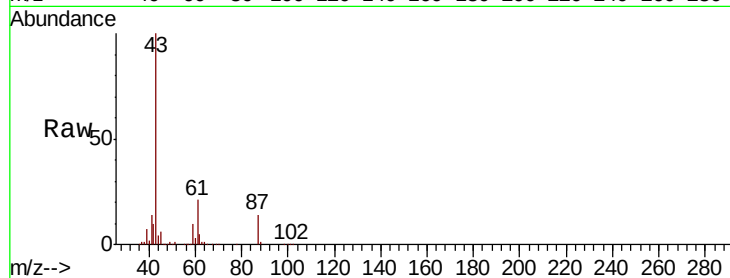
Tot Ion: 43 Resp: 380474

Ion Ratio Lower Upper

43 100

61 28.3 22.9 34.3

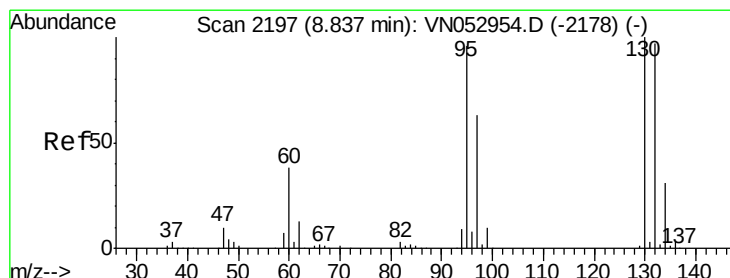
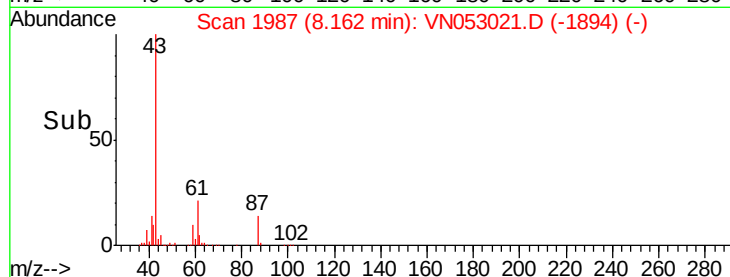
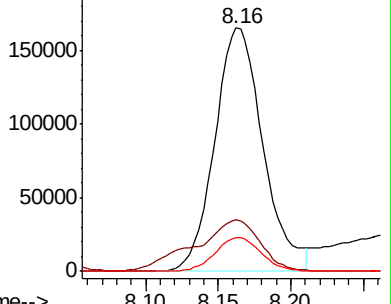
87 13.4 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN053021.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053021.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053021.D (-1894) (-)



#44

Trichloroethene

Concen: 19.410 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053021.D

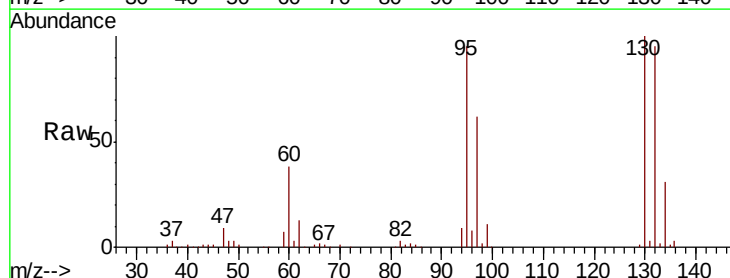
Acq: 19 Dec 2018 19:43

Tgt Ion:130 Resp: 282858

Ion Ratio Lower Upper

130 100

95 94.9 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN053021.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN053021.D (-2104) (-)

Ion 130.00 (129.70 to 130.30): VN053021.D (-2104) (-)

Ion 137.00 (136.70 to 137.30): VN053021.D (-2104) (-)

Ion 139.00 (138.70 to 139.30): VN053021.D (-2104) (-)

Ion 141.00 (140.70 to 141.30): VN053021.D (-2104) (-)

Ion 143.00 (142.70 to 143.30): VN053021.D (-2104) (-)

Ion 145.00 (144.70 to 145.30): VN053021.D (-2104) (-)

Ion 147.00 (146.70 to 147.30): VN053021.D (-2104) (-)

Ion 149.00 (148.70 to 149.30): VN053021.D (-2104) (-)

Ion 151.00 (150.70 to 151.30): VN053021.D (-2104) (-)

Ion 153.00 (152.70 to 153.30): VN053021.D (-2104) (-)

Ion 155.00 (154.70 to 155.30): VN053021.D (-2104) (-)

Ion 157.00 (156.70 to 157.30): VN053021.D (-2104) (-)

Ion 159.00 (158.70 to 159.30): VN053021.D (-2104) (-)

Ion 161.00 (160.70 to 161.30): VN053021.D (-2104) (-)

Ion 163.00 (162.70 to 163.30): VN053021.D (-2104) (-)

Ion 165.00 (164.70 to 165.30): VN053021.D (-2104) (-)

Ion 167.00 (166.70 to 167.30): VN053021.D (-2104) (-)

Ion 169.00 (168.70 to 169.30): VN053021.D (-2104) (-)

Ion 171.00 (170.70 to 171.30): VN053021.D (-2104) (-)

Ion 173.00 (172.70 to 173.30): VN053021.D (-2104) (-)

Ion 175.00 (174.70 to 175.30): VN053021.D (-2104) (-)

Ion 177.00 (176.70 to 177.30): VN053021.D (-2104) (-)

Ion 179.00 (178.70 to 179.30): VN053021.D (-2104) (-)

Ion 181.00 (180.70 to 181.30): VN053021.D (-2104) (-)

Ion 183.00 (182.70 to 183.30): VN053021.D (-2104) (-)

Ion 185.00 (184.70 to 185.30): VN053021.D (-2104) (-)

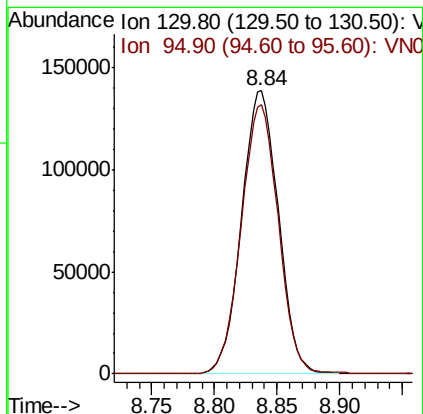
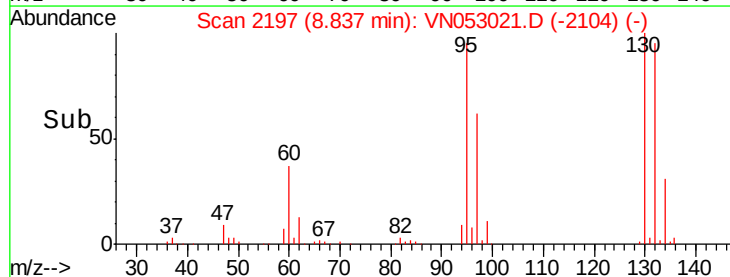
Ion 187.00 (186.70 to 187.30): VN053021.D (-2104) (-)

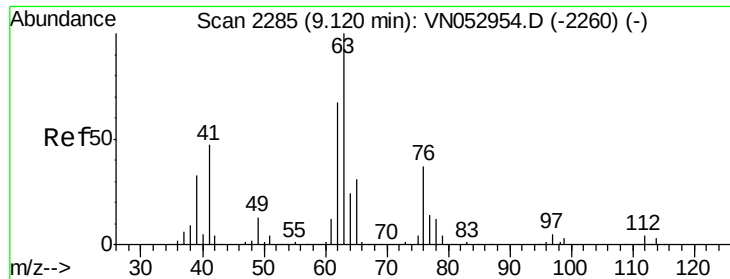
Ion 189.00 (188.70 to 189.30): VN053021.D (-2104) (-)

Ion 191.00 (190.70 to 191.30): VN053021.D (-2104) (-)

Ion 193.00 (192.70 to 193.30): VN053021.D (-2104) (-)

Ion 195.00 (194.70 to 195.30): VN053021.D (-2104) (-)

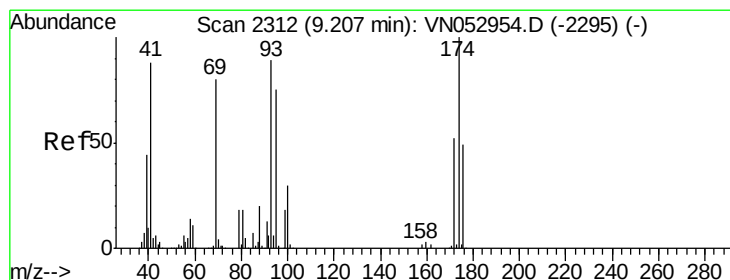
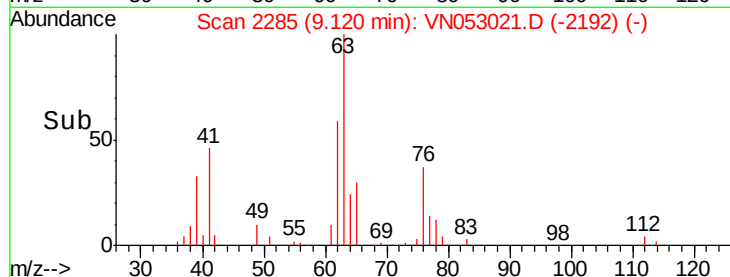
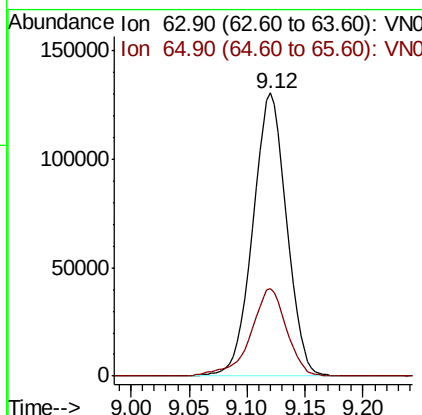
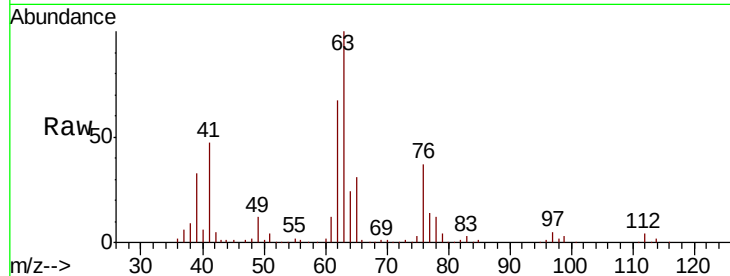




#45
 1,2-Dichloropropane
 Concen: 20.174 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

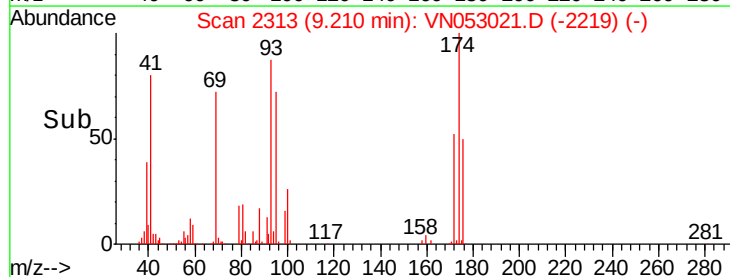
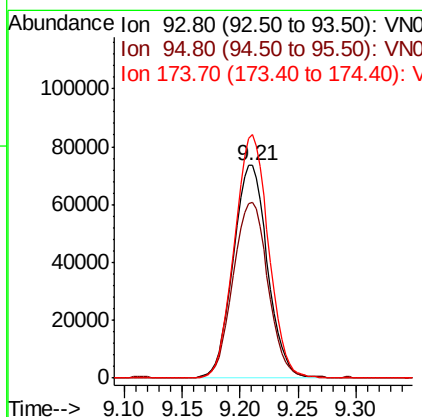
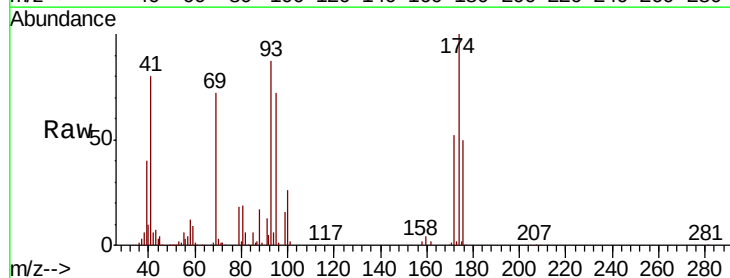
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBS01

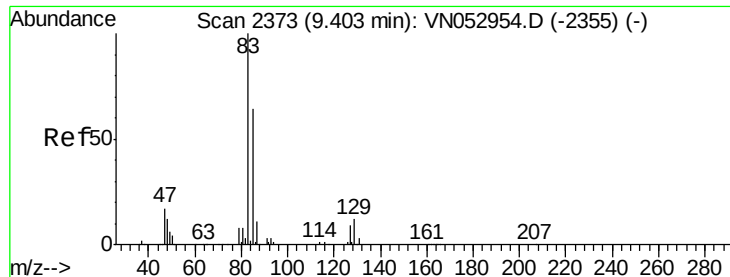
Tot Ion: 63 Resp: 264746
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0



#46
 Dibromomethane
 Concen: 19.757 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

Tgt Ion: 93 Resp: 151043
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.8 101.6
 174 113.8 89.0 133.4





#47

Bromodichloromethane

Concen: 19.265 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD01

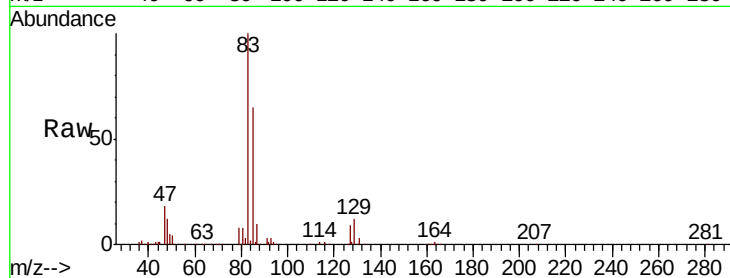
Tot Ion: 83 Resp: 313077

Ion Ratio Lower Upper

83 100

85 64.7 51.6 77.4

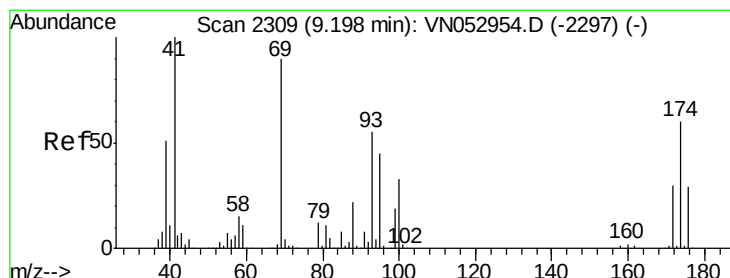
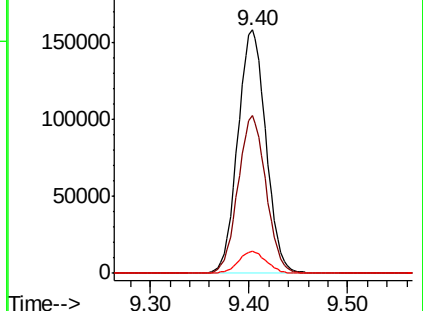
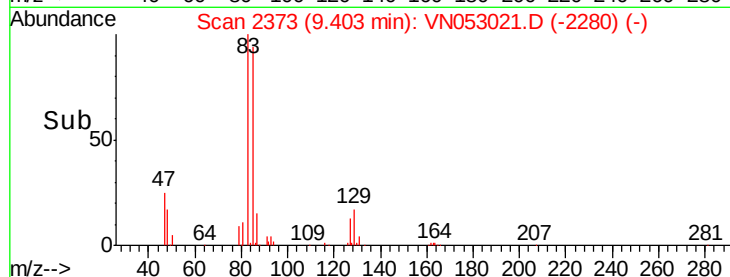
127 9.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053021.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053021.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053021.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.260 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

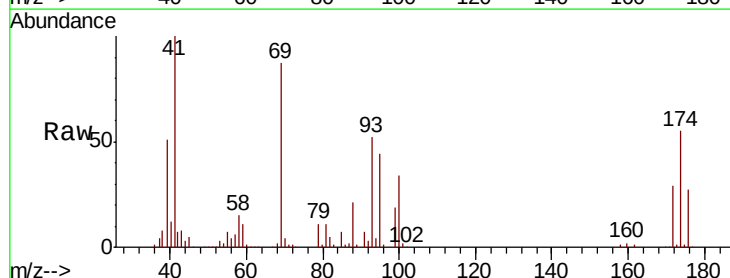
Tgt Ion: 41 Resp: 185904

Ion Ratio Lower Upper

41 100

69 90.4 72.2 108.2

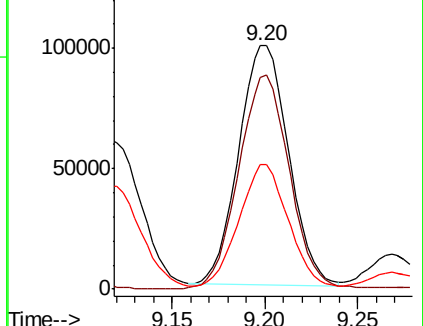
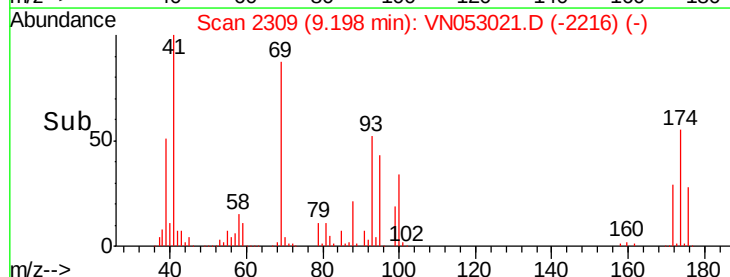
39 52.0 41.9 62.9

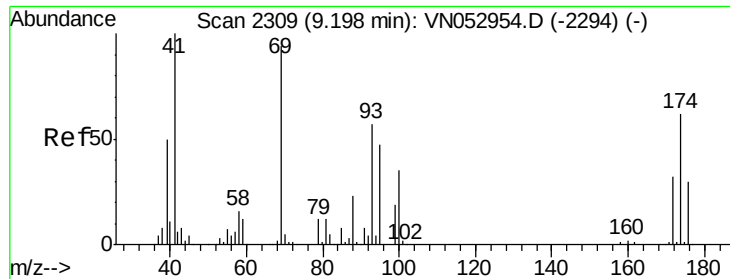


Abundance Ion 41.00 (40.70 to 41.70): VN053021.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053021.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053021.D (-2216) (-)





#49

1,4-Dioxane

Concen: 372.476 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

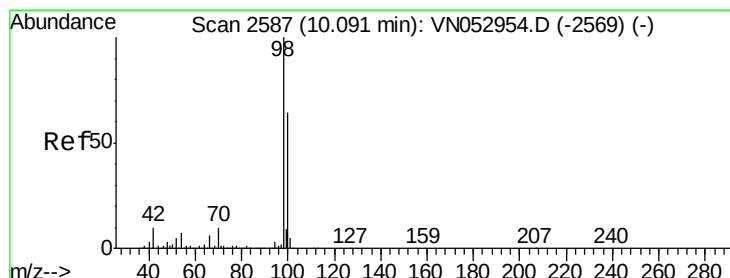
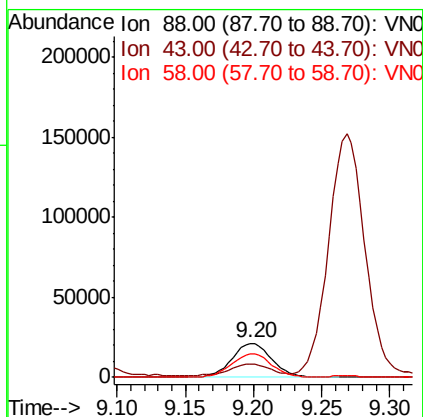
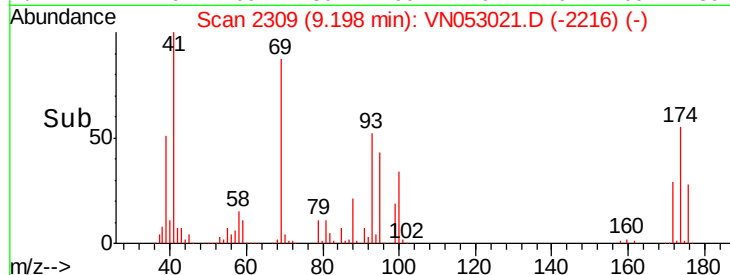
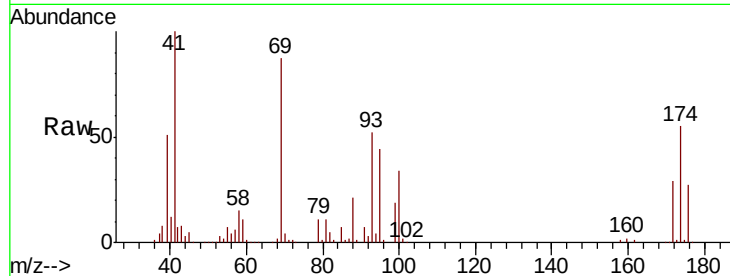
MSVOA_N

ClientSampleId :

VN1219MBSD01

Tot Ion: 88 Resp: 43233

Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.6	40.0
58	70.9	58.4	87.6



#50

Toluene-d8

Concen: 372.476 ug/l

RT: 10.09 min Scan# 2587

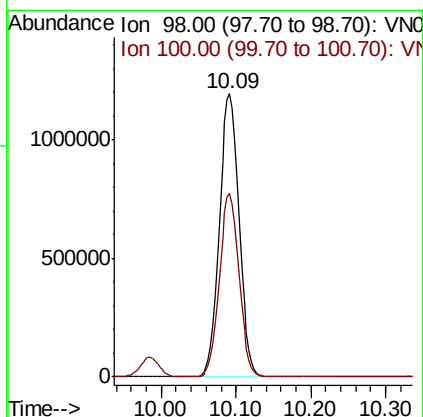
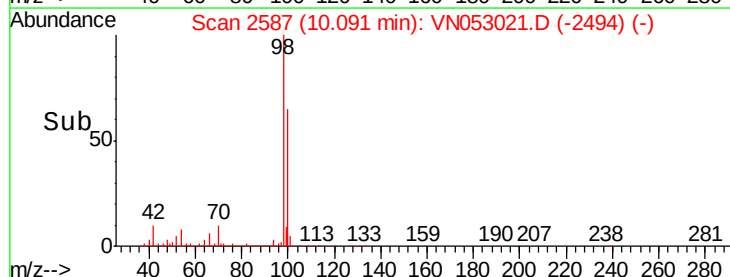
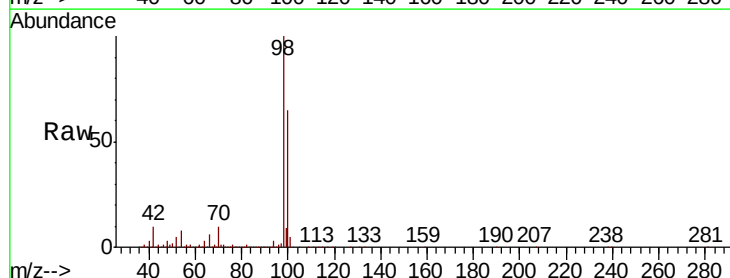
Delta R.T. -0.00 min

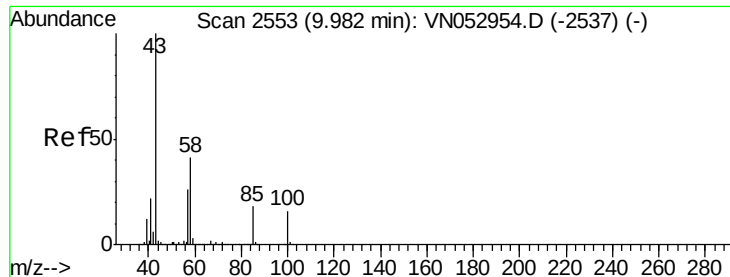
Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Tgt Ion: 98 Resp: 2164388

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4

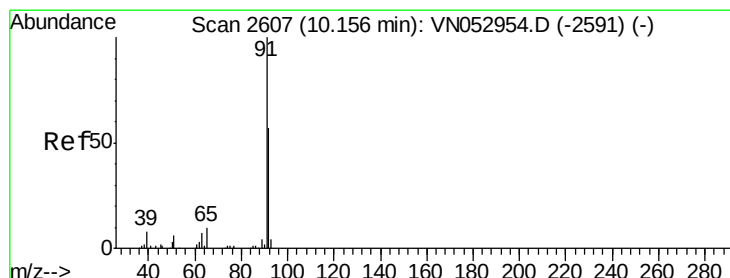
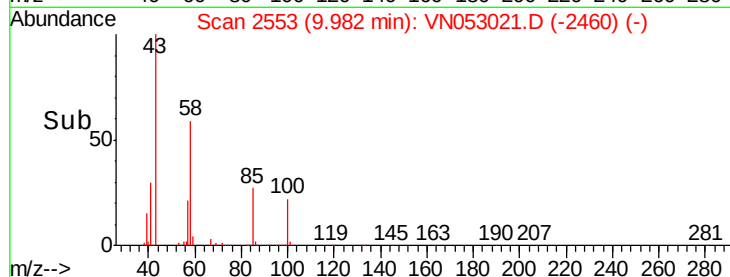
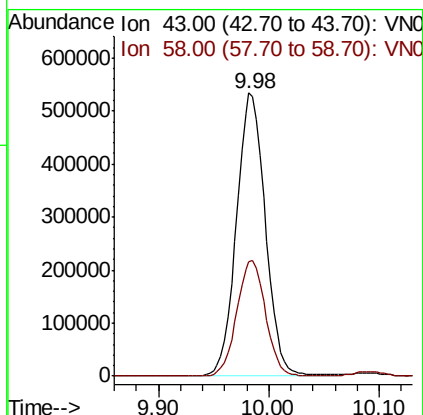
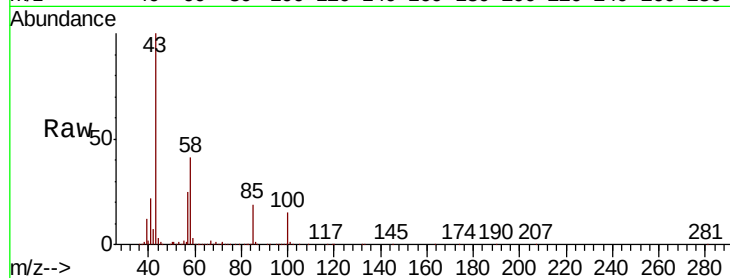




#51
4-Methyl-2-Pentanone
Concen: 105.212 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

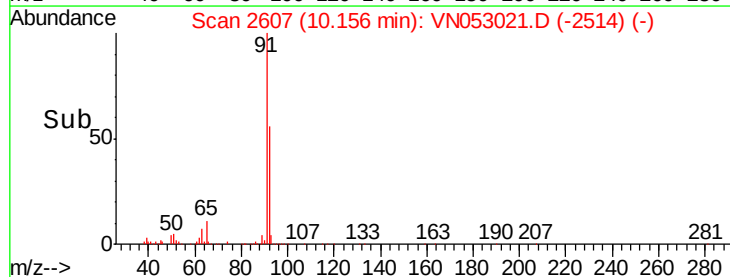
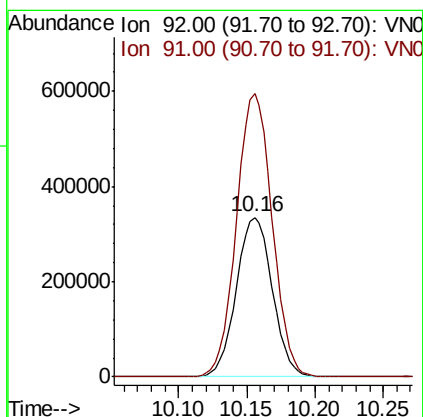
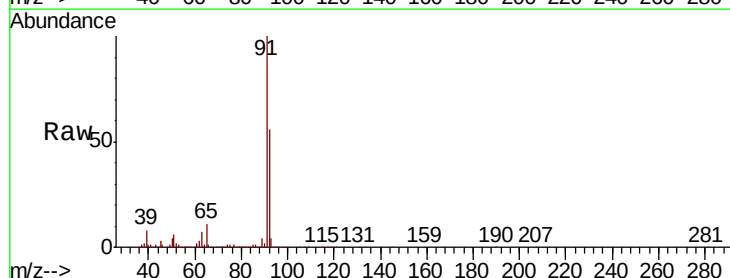
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

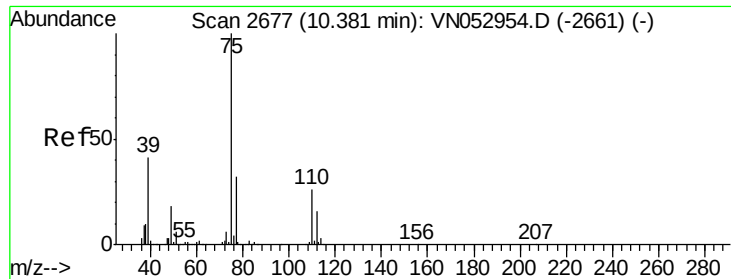
Tot Ion: 43 Resp: 963464
Ion Ratio Lower Upper
43 100
58 40.9 32.2 48.4



#52
Toluene
Concen: 19.570 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Tgt Ion: 92 Resp: 611167
Ion Ratio Lower Upper
92 100
91 176.7 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.198 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

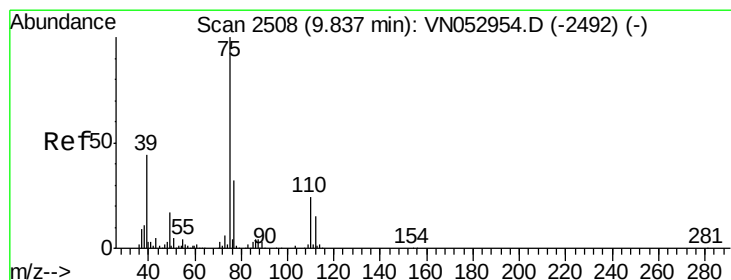
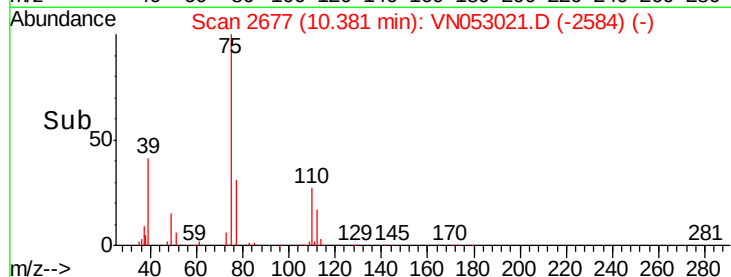
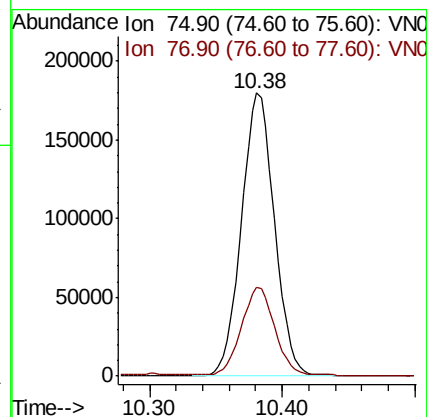
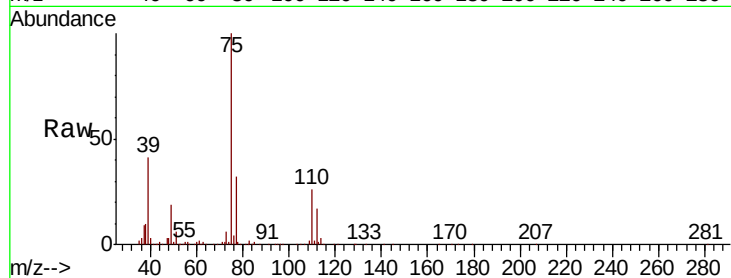
VN1219MBSD01

Tot Ion: 75 Resp: 310971

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 18.989 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

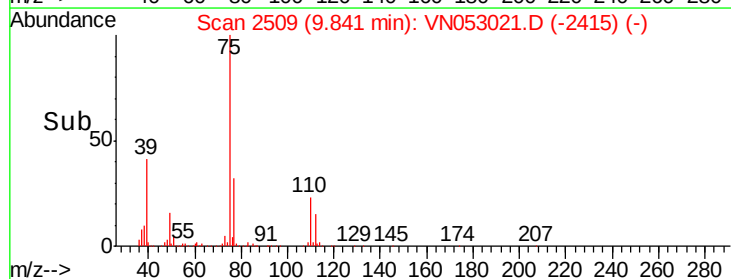
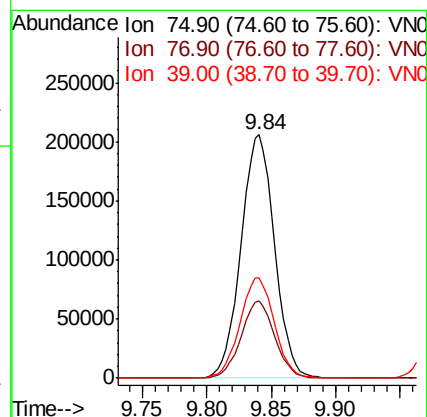
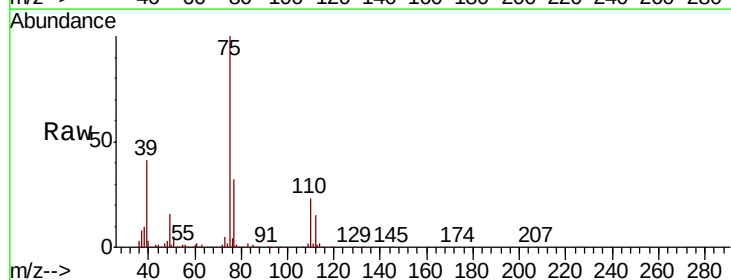
Tgt Ion: 75 Resp: 372467

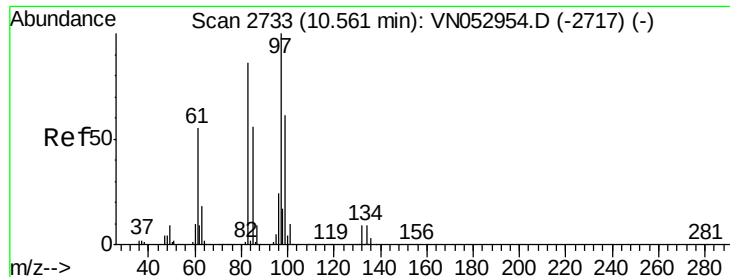
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

39 41.1 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 19.802 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD01

Tot Ion: 97 Resp: 215737

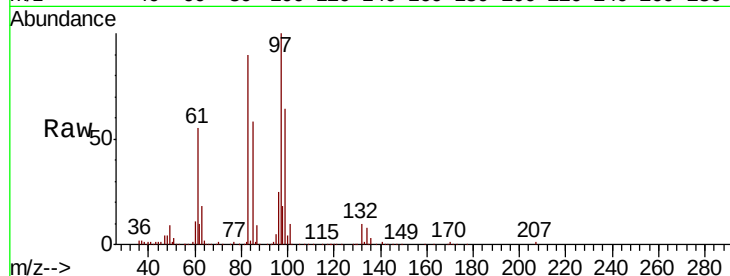
Ion Ratio Lower Upper

97 100

83 90.0 70.9 106.3

85 57.8 45.4 68.2

99 64.1 50.4 75.6

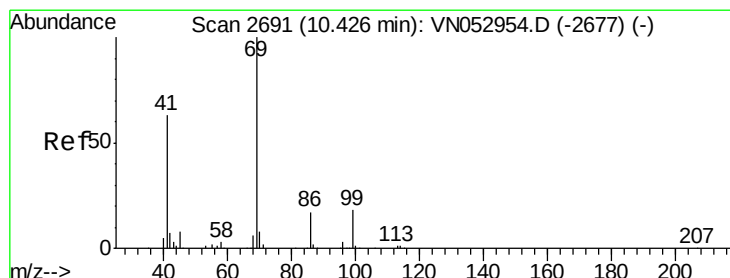
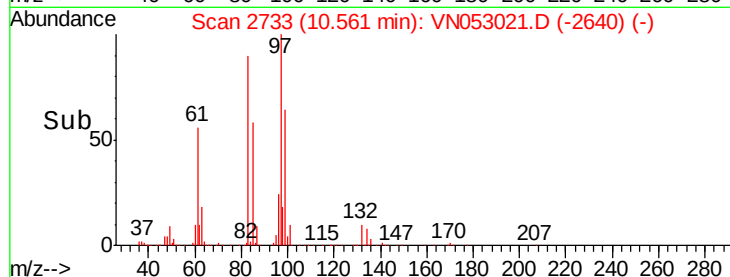
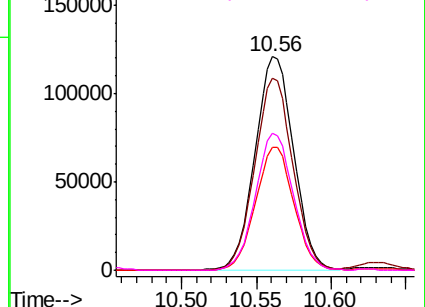


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.287 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

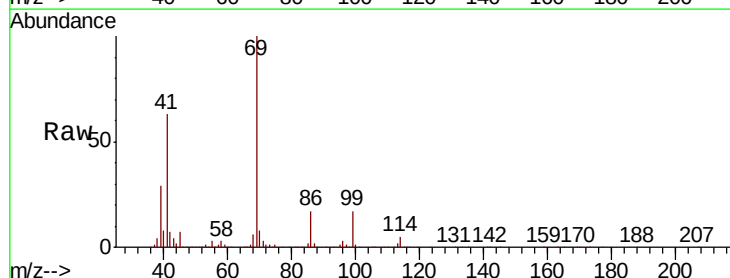
Tgt Ion: 69 Resp: 292550

Ion Ratio Lower Upper

69 100

41 62.3 51.7 77.5

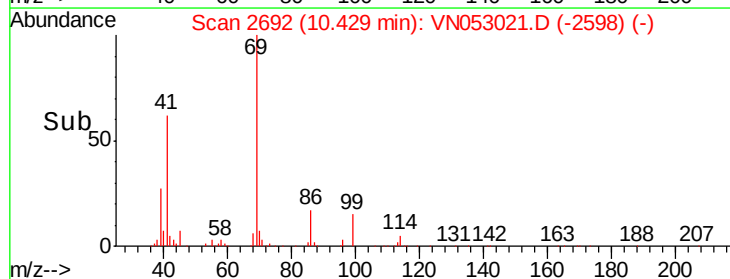
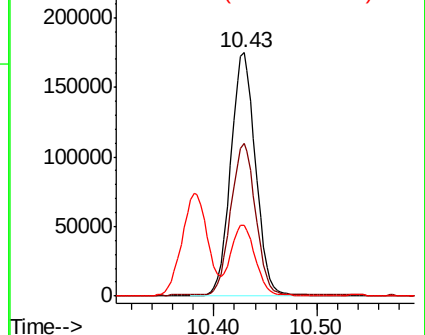
39 28.9 24.6 37.0

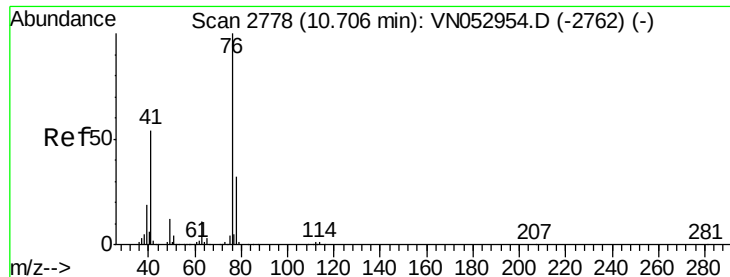


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.188 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

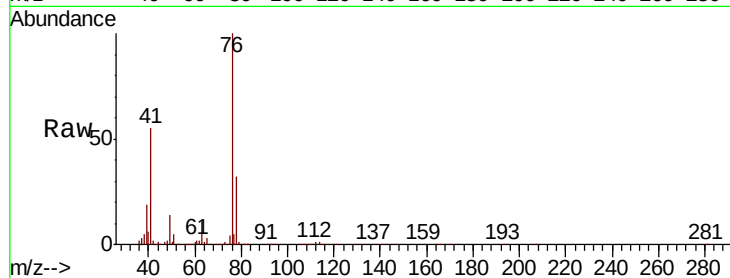
VN1219MBSD01

Tot Ion: 76 Resp: 377161

Ion Ratio Lower Upper

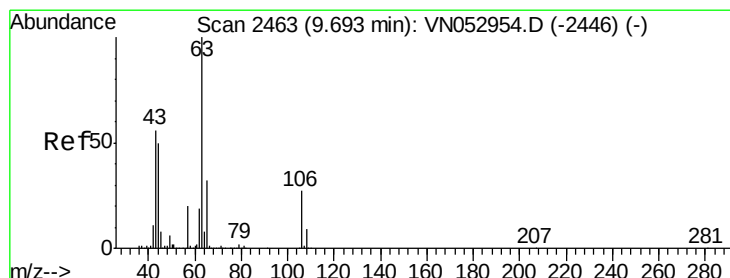
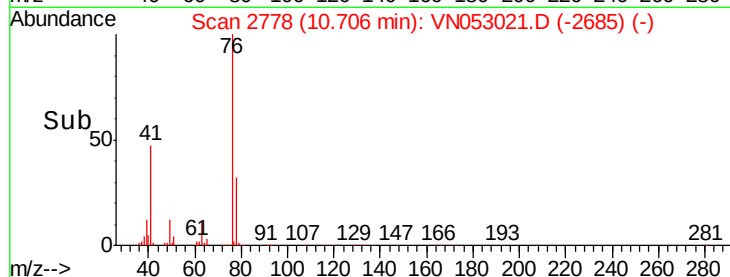
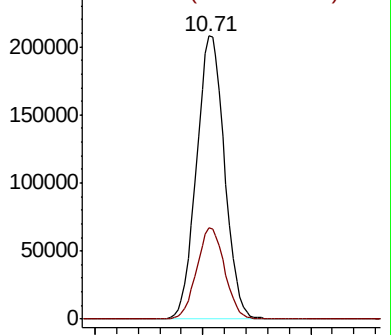
76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 103.463 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053021.D

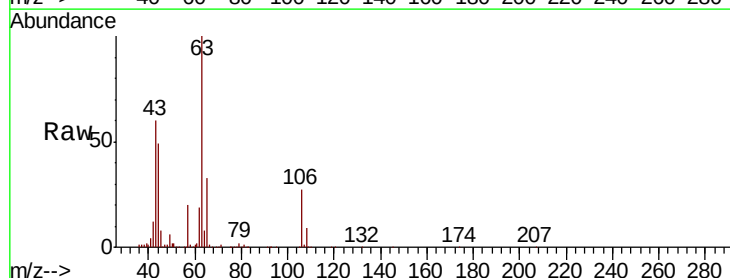
Acq: 19 Dec 2018 19:43

Tgt Ion: 63 Resp: 819089

Ion Ratio Lower Upper

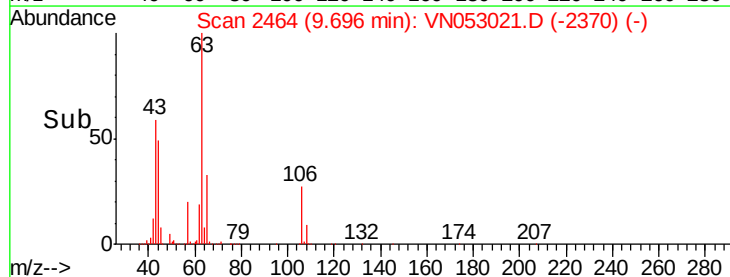
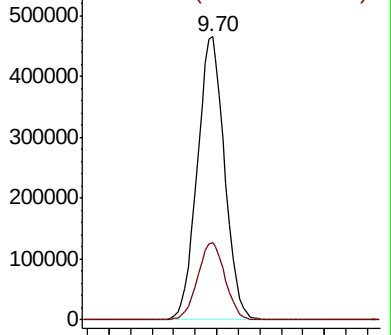
63 100

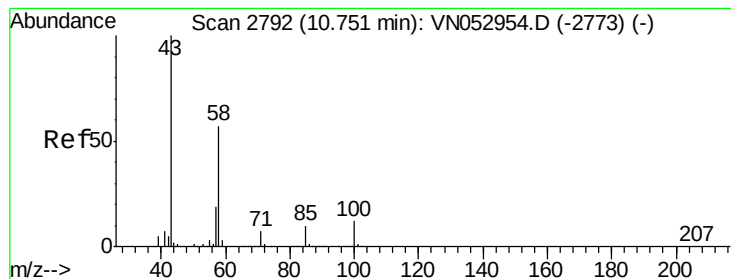
106 27.5 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 102.924 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

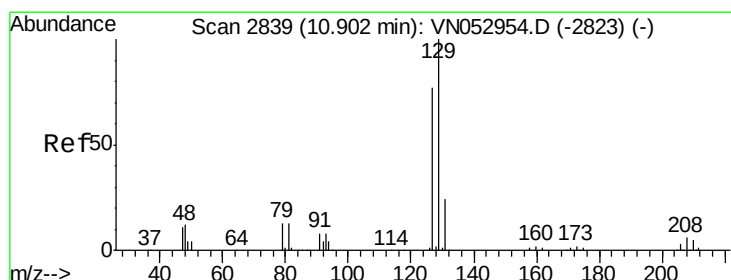
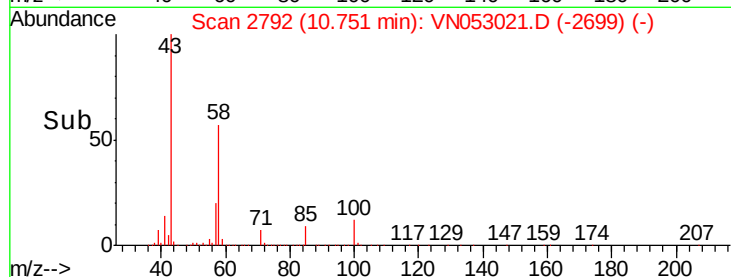
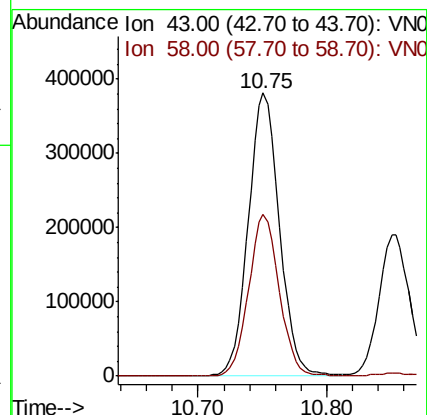
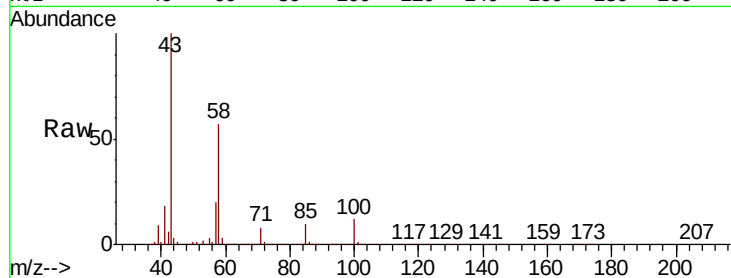
VN1219MBSD01

Tot Ion: 43 Resp: 637684

Ion Ratio Lower Upper

43 100

58 56.6 28.1 84.3



#60

Dibromochloromethane

Concen: 18.648 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053021.D

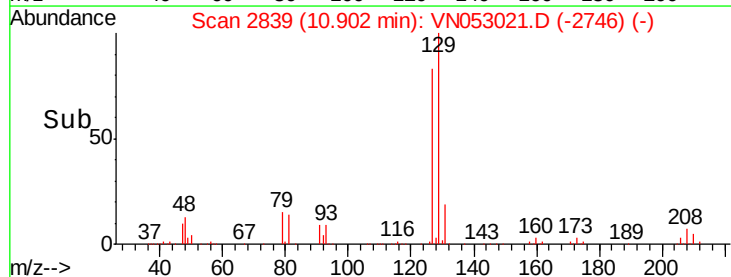
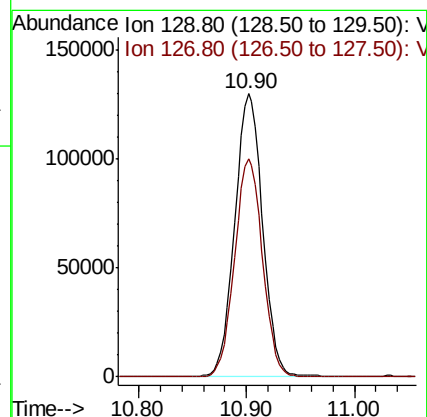
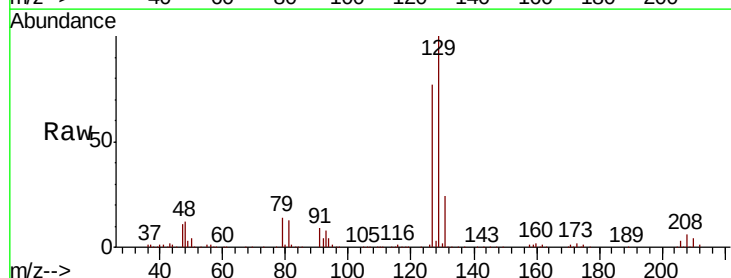
Acq: 19 Dec 2018 19:43

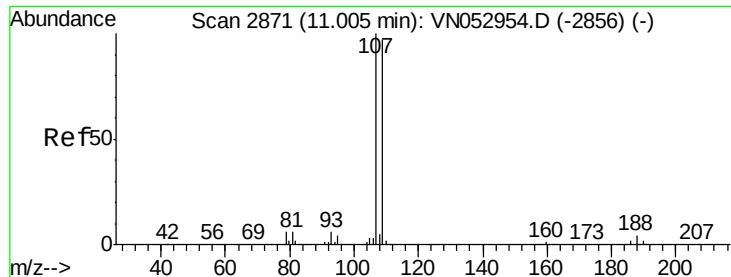
Tgt Ion: 129 Resp: 232554

Ion Ratio Lower Upper

129 100

127 77.6 38.6 116.0

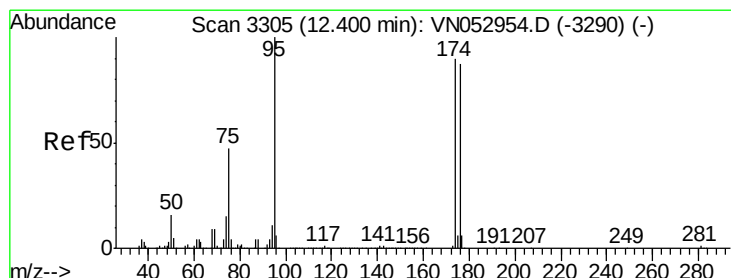
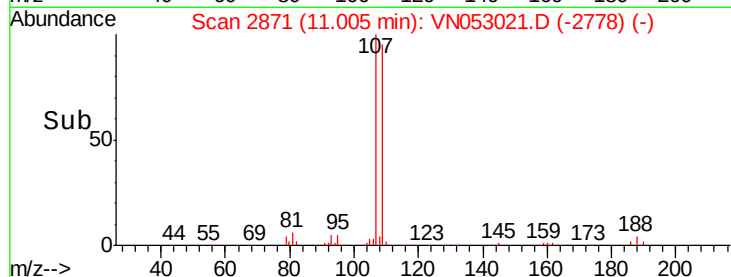
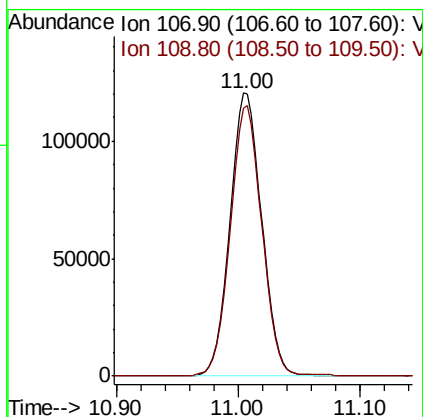
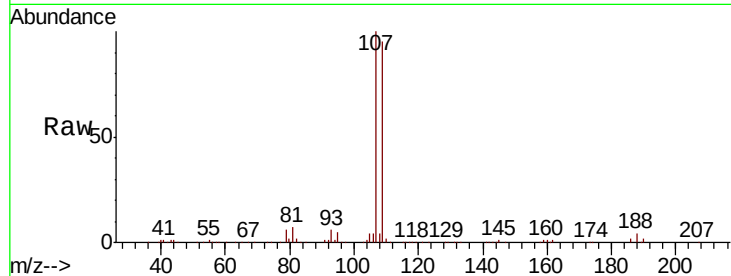




#61
1,2-Dibromoethane
Concen: 19.511 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

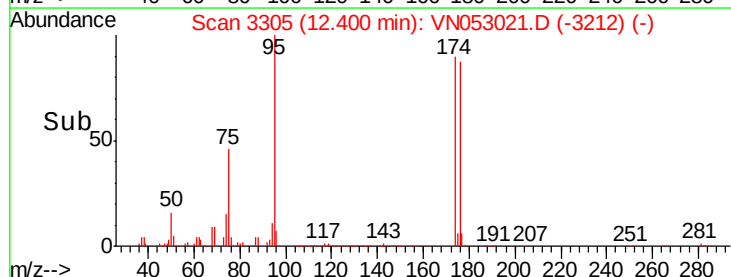
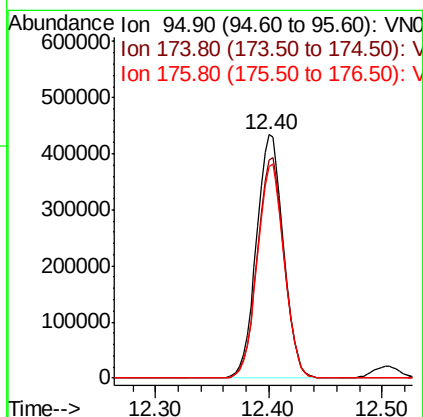
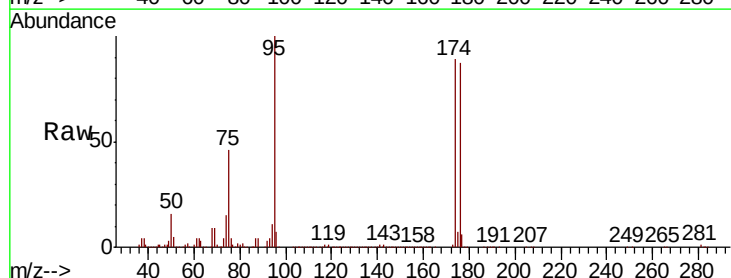
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBS01

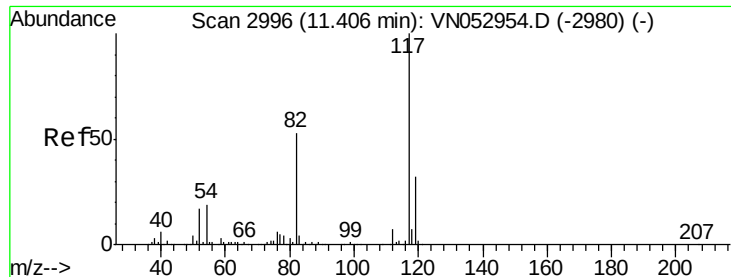
Tot Ion:107 Resp: 215888
Ion Ratio Lower Upper
107 100
109 94.9 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 19.511 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Tgt Ion: 95 Resp: 717395
Ion Ratio Lower Upper
95 100
174 89.6 0.0 178.8
176 87.5 0.0 173.8

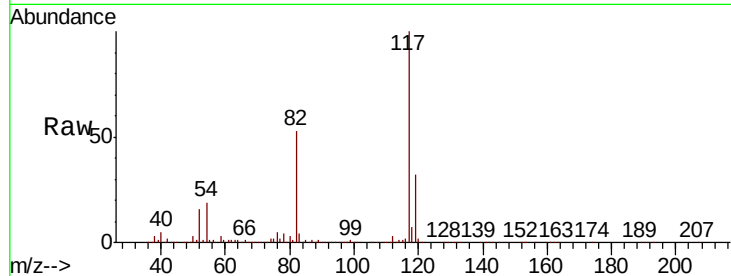




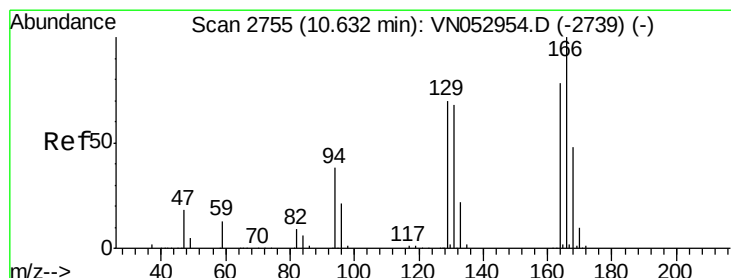
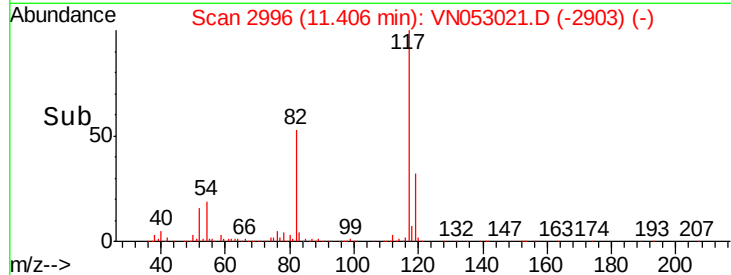
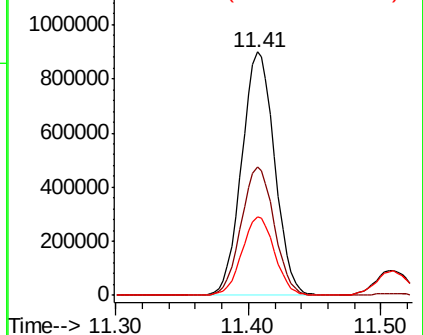
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD01

Tot Ion:117 Resp: 1544021
Ion Ratio Lower Upper
117 100
82 52.6 42.8 64.2
119 32.3 25.5 38.3

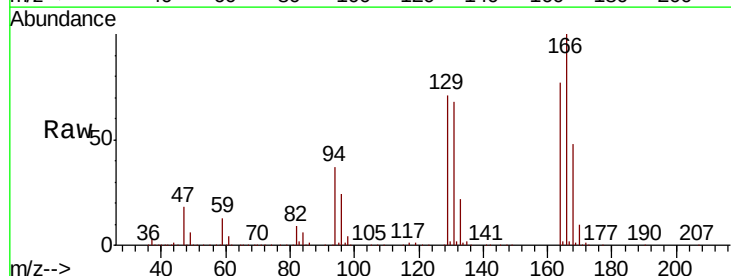


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

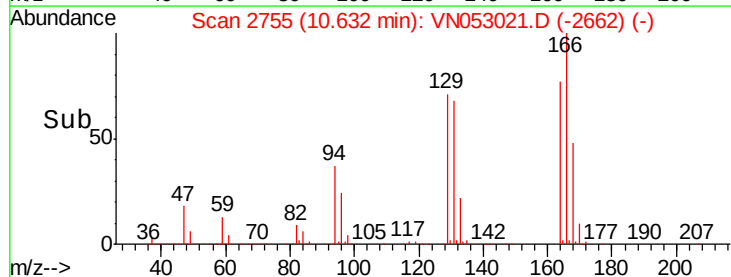
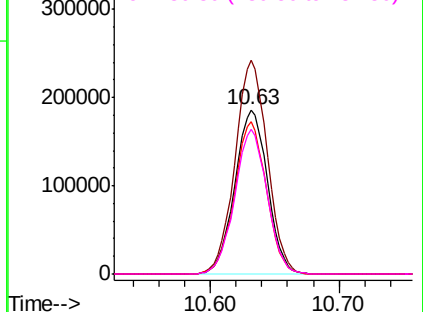


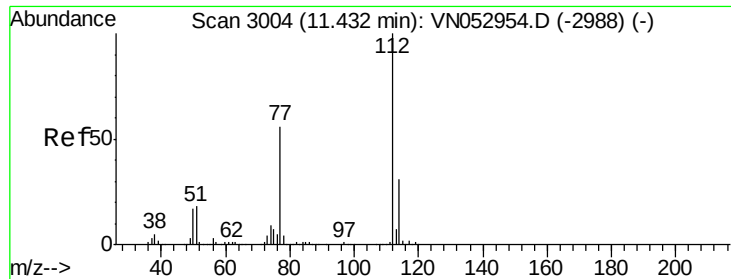
#64
Tetrachloroethene
Concen: 19.587 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Tgt Ion:164 Resp: 327591
Ion Ratio Lower Upper
164 100
166 129.9 102.9 154.3
129 92.5 73.7 110.5
131 87.9 70.7 106.1



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

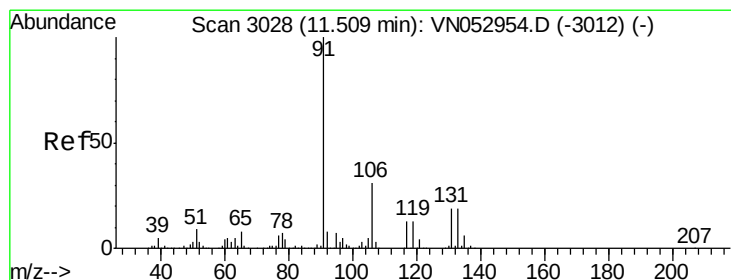
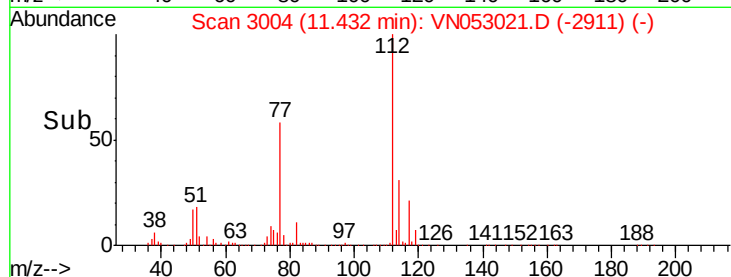
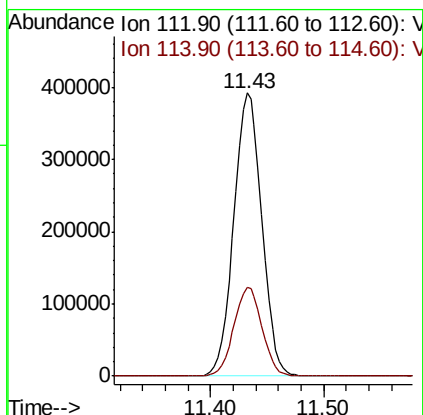
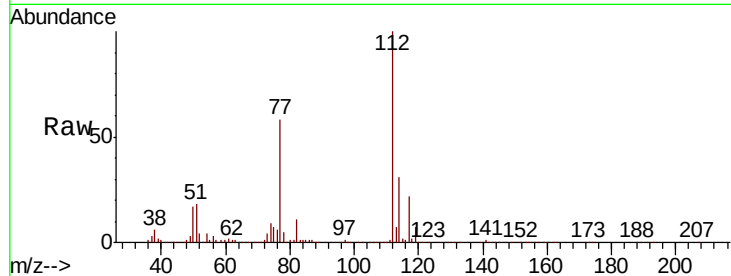




#65
Chlorobenzene
Concen: 19.699 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

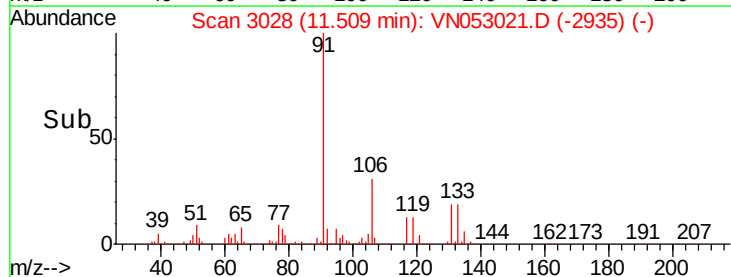
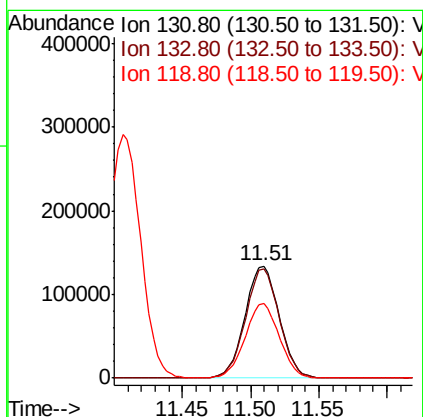
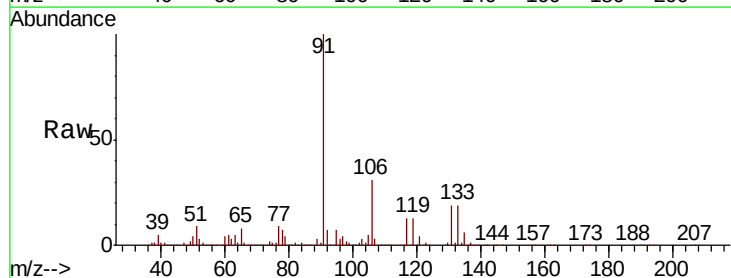
Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD01

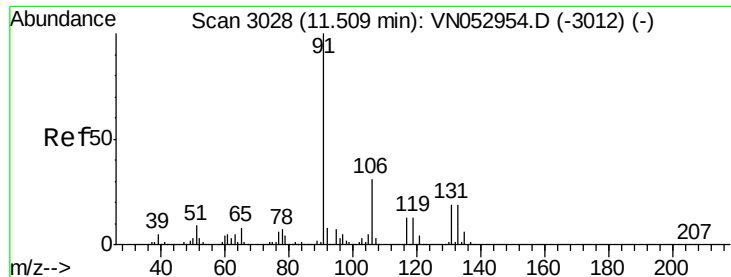
Tot Ion:112 Resp: 674234
Ion Ratio Lower Upper
112 100
114 31.2 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.510 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Tgt Ion:131 Resp: 232213
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 66.0 33.3 99.8

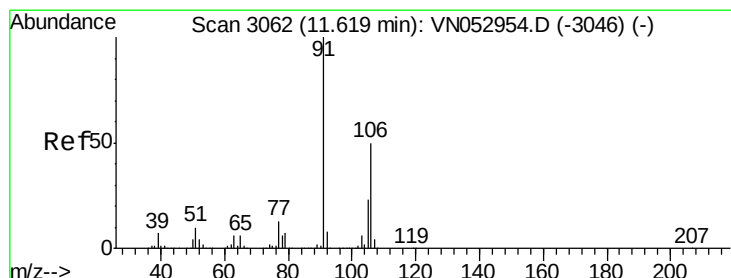
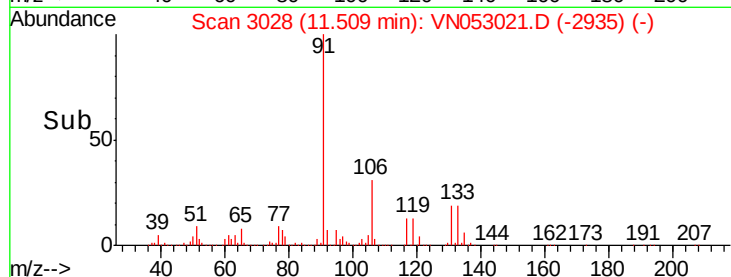
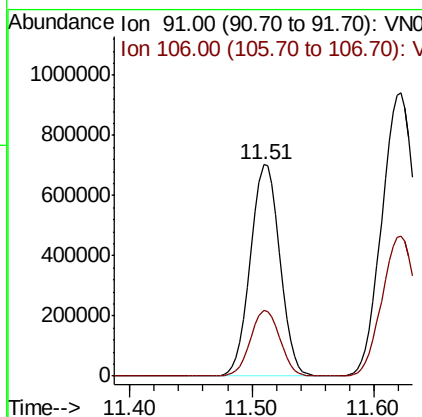
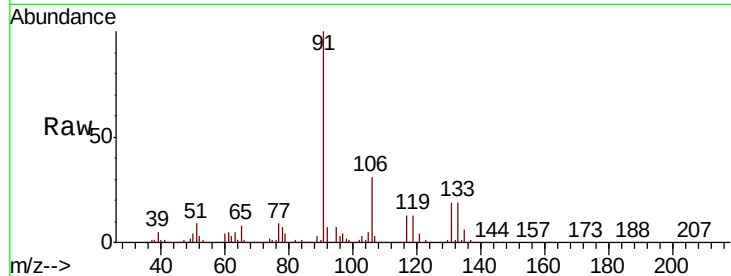




#67
Ethyl Benzene
Concen: 19.816 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

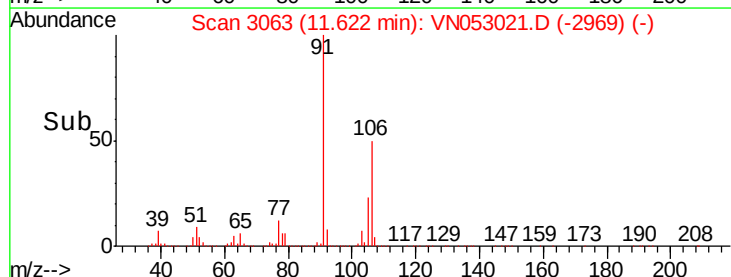
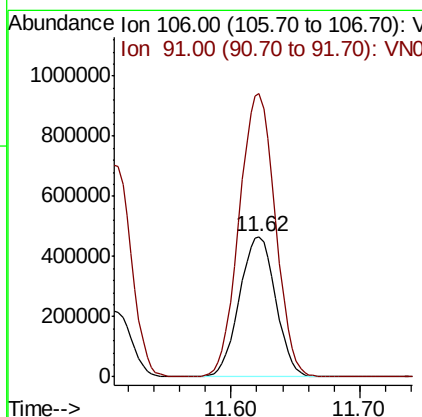
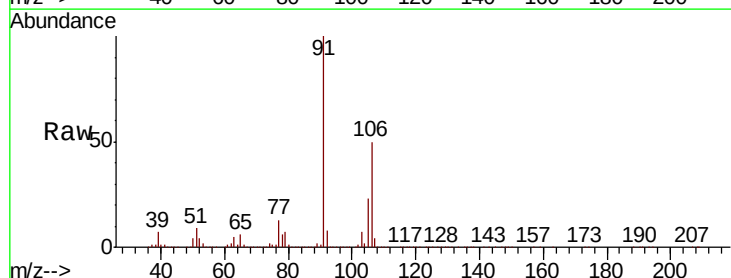
Instrument :
MSVOA_N
ClientSampled :
VN1219MBSD01

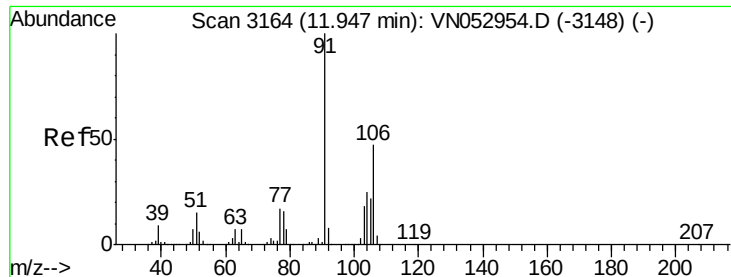
Tot Ion: 91 Resp: 1166381
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 40.559 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Tgt Ion: 106 Resp: 907572
Ion Ratio Lower Upper
106 100
91 201.7 162.2 243.4

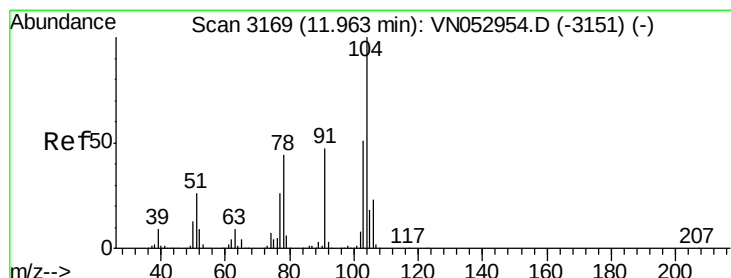
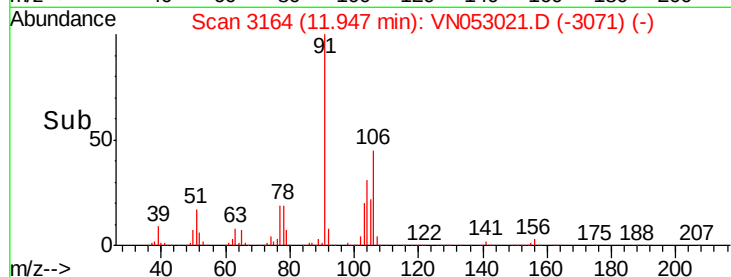
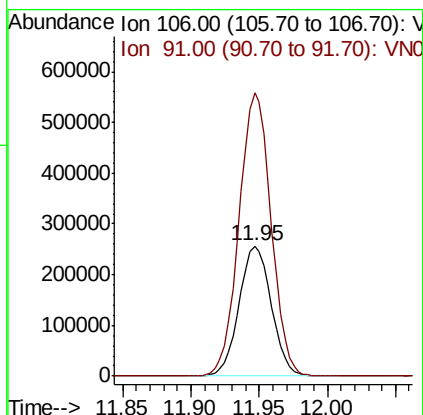
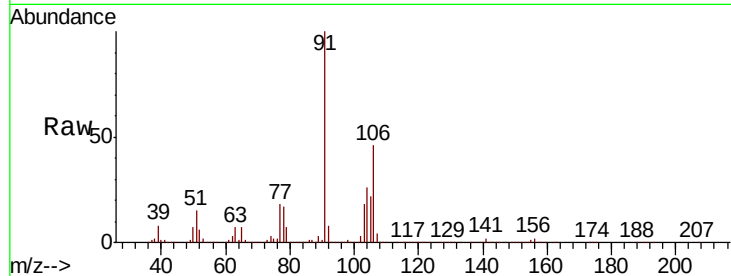




#69
o-Xylene
Concen: 19.546 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

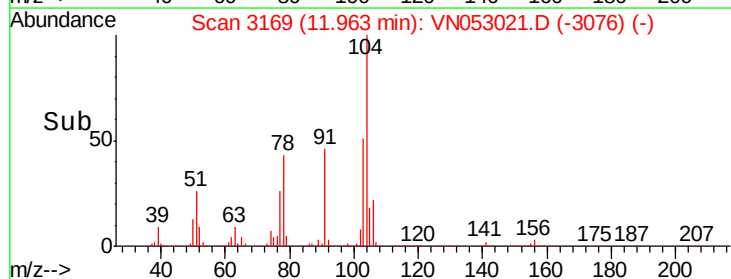
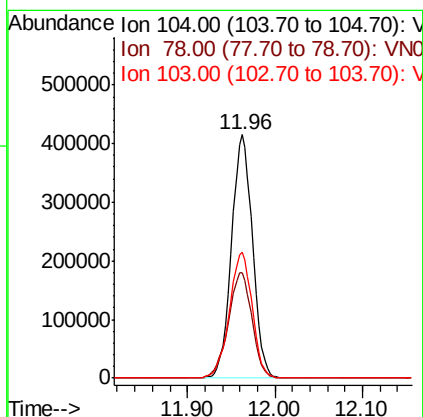
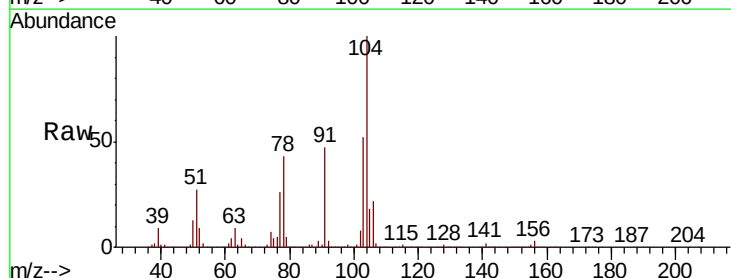
Instrument :
MSVOA_N
ClientSampled :
VN1219MBSD01

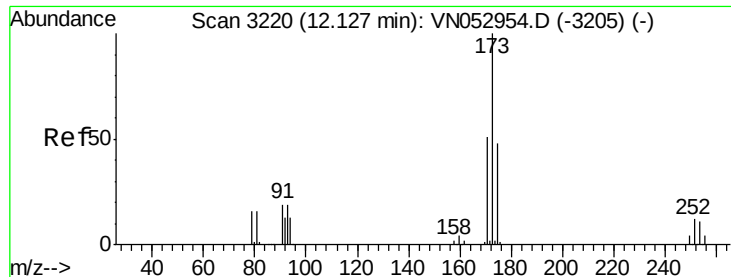
Tot Ion:106 Resp: 419700
Ion Ratio Lower Upper
106 100
91 215.9 106.6 319.8



#70
Styrene
Concen: 19.708 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Tgt Ion:104 Resp: 690036
Ion Ratio Lower Upper
104 100
78 48.5 38.9 58.3
103 55.8 44.3 66.5





#71

Bromoform

Concen: 17.570 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD01

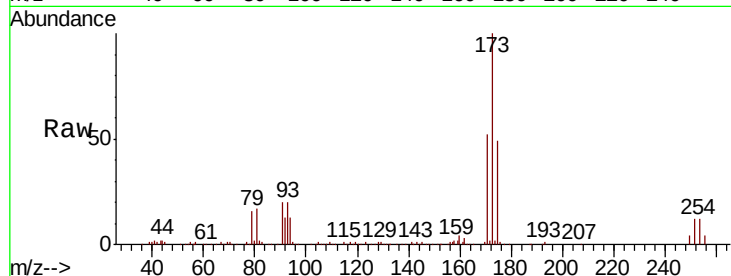
Tot Ion:173 Resp: 151076

Ion Ratio Lower Upper

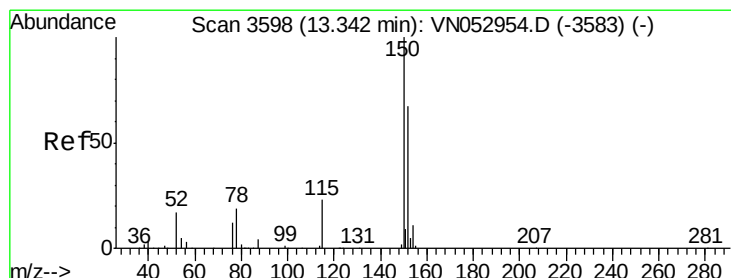
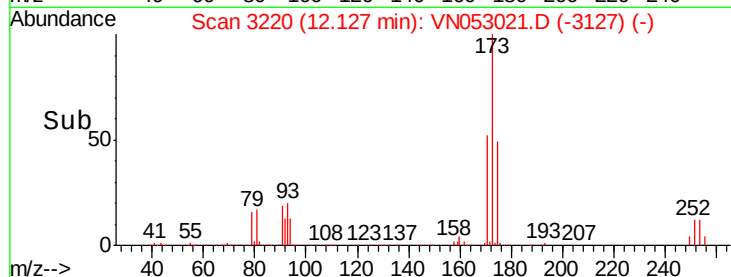
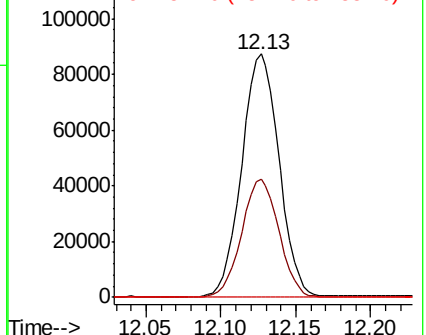
173 100

175 48.7 24.3 72.9

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

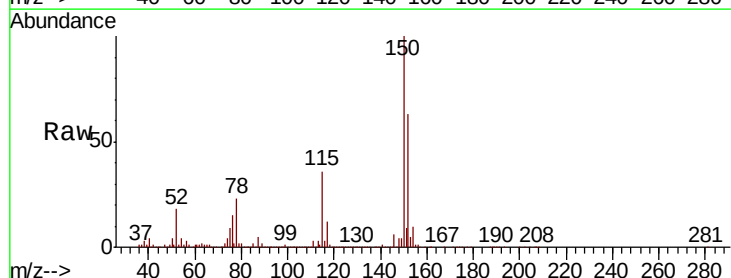
Tgt Ion:152 Resp: 662567

Ion Ratio Lower Upper

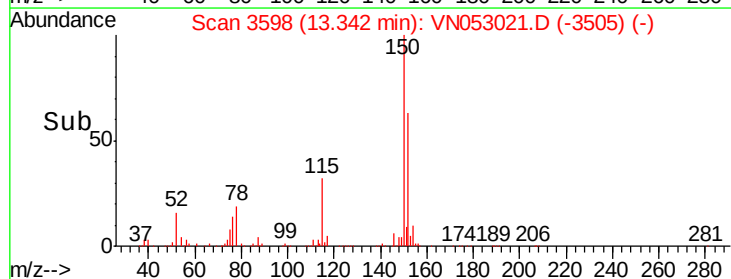
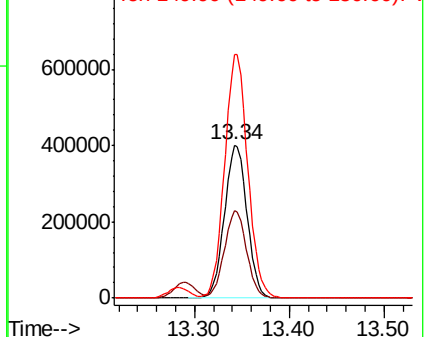
152 100

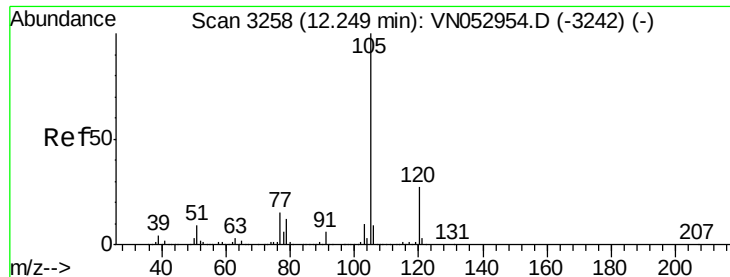
115 56.5 28.3 85.0

150 163.5 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: 21.606 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

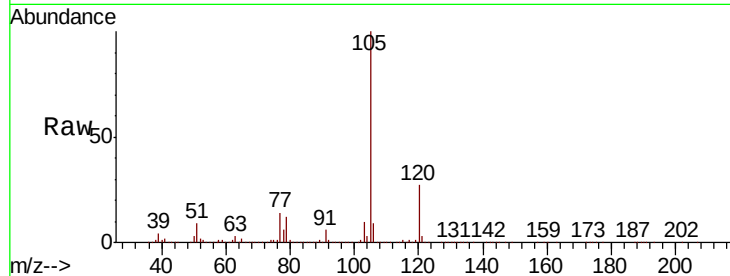
VN1219MBSD01

Tot Ion:105 Resp: 1120049

Ion Ratio Lower Upper

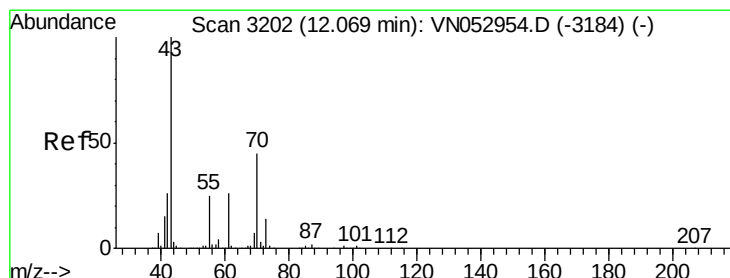
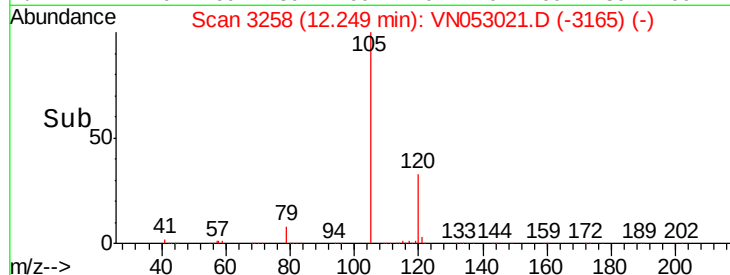
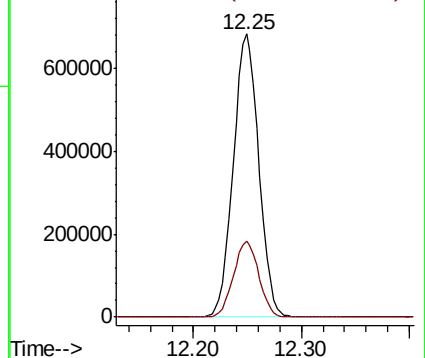
105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.271 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Tgt Ion: 43 Resp: 320544

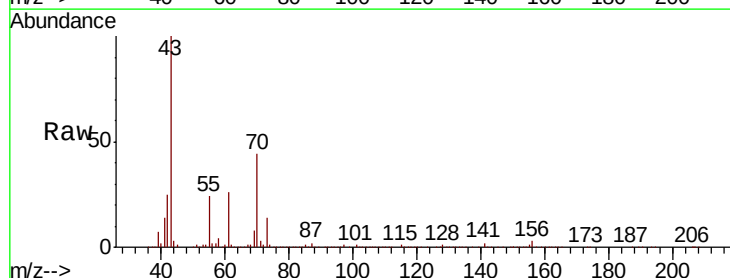
Ion Ratio Lower Upper

43 100

70 43.7 34.2 51.4

55 24.8 20.3 30.5

61 26.3 20.0 30.0

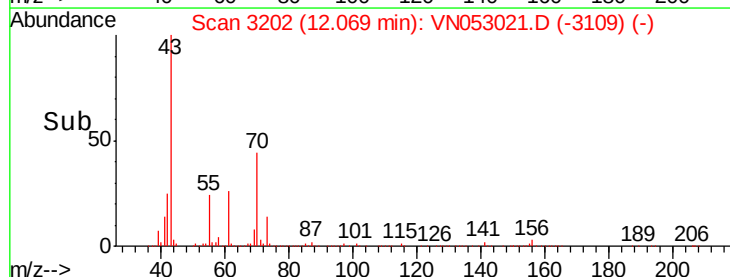
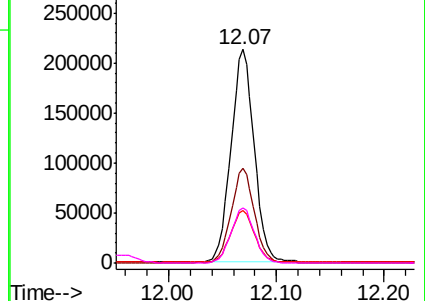


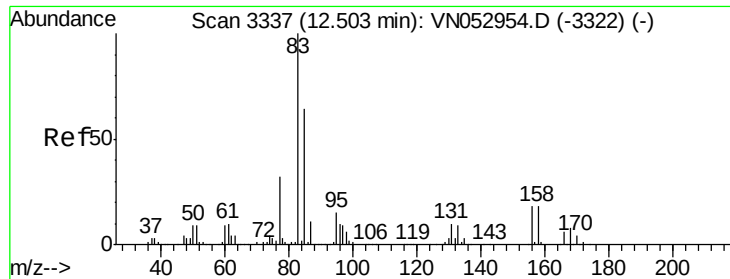
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.611 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD01

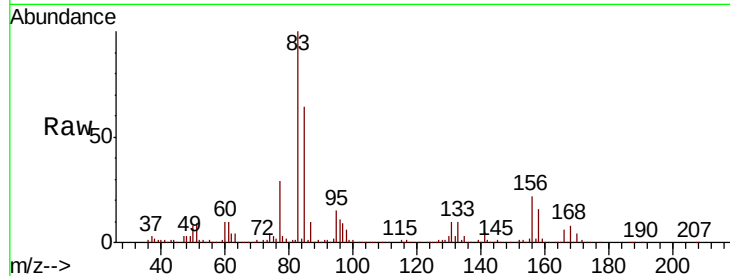
Tot Ion: 83 Resp: 229961

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

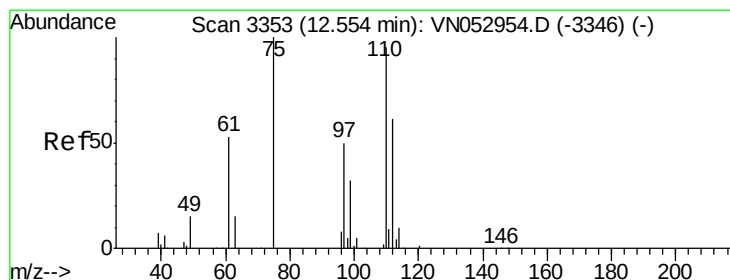
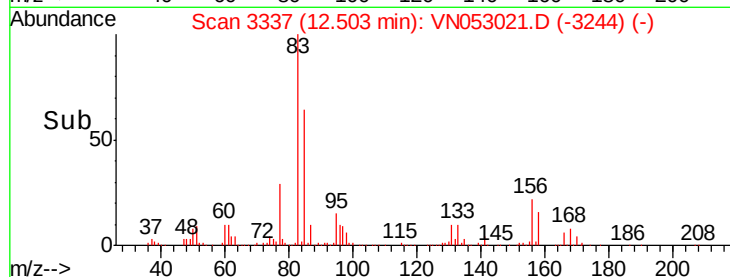
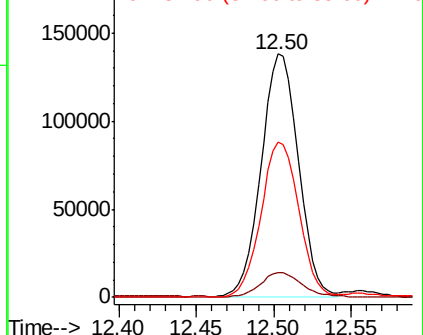
85 65.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN053021.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053021.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053021.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 28.263 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053021.D

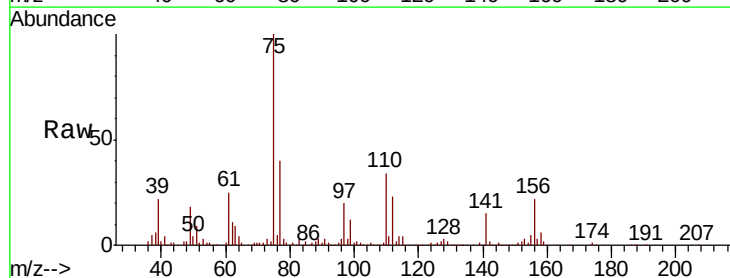
Acq: 19 Dec 2018 19:43

Tgt Ion: 75 Resp: 315231

Ion Ratio Lower Upper

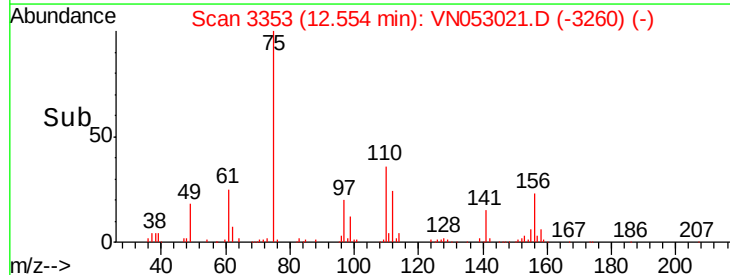
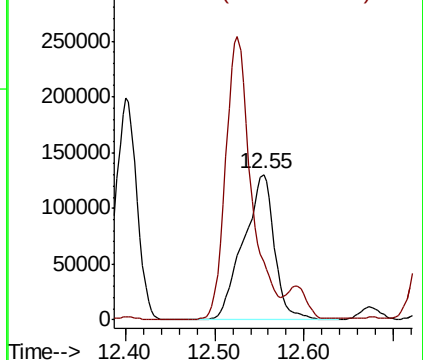
75 100

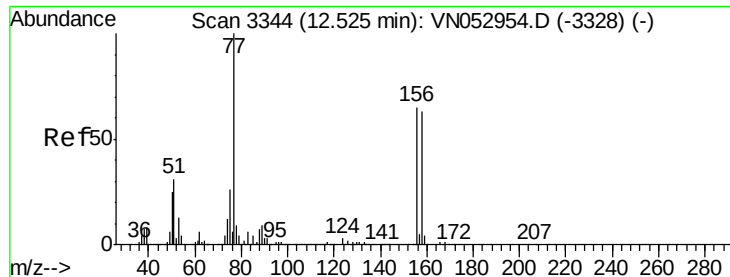
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053021.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053021.D (-3260) (-)





#77

Bromobenzene

Concen: 31.406 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD01

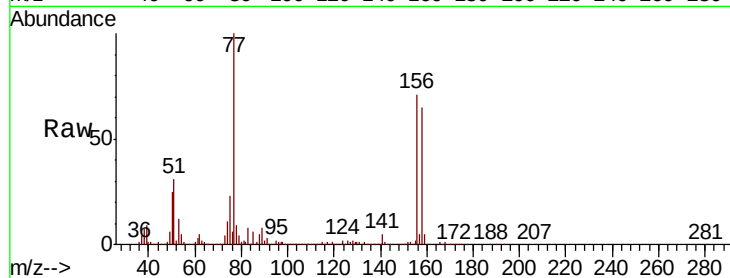
Tot Ion:156 Resp: 423208

Ion Ratio Lower Upper

156 100

77 119.6 91.3 273.8

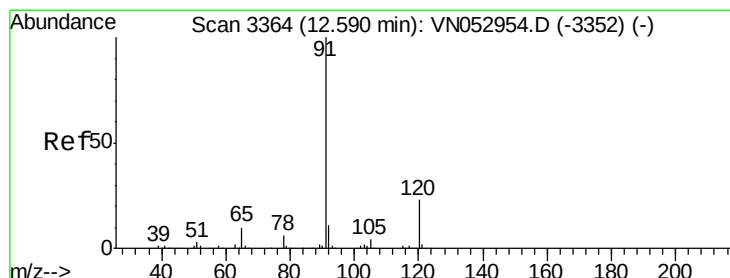
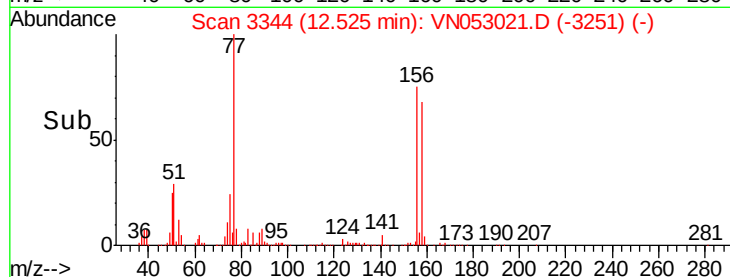
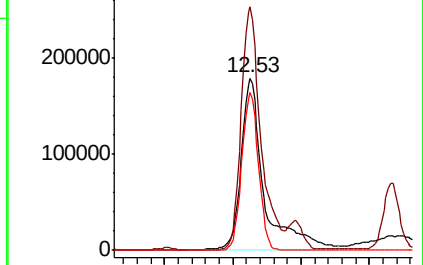
158 66.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.885 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053021.D

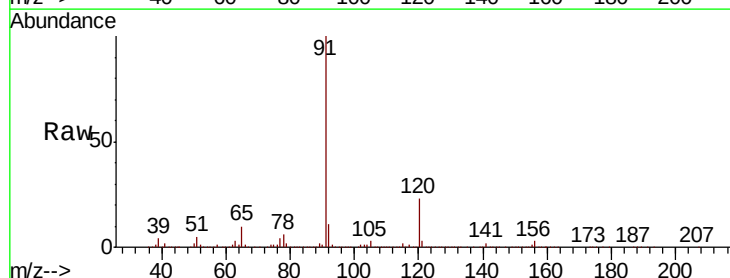
Acq: 19 Dec 2018 19:43

Tgt Ion: 91 Resp: 1233091

Ion Ratio Lower Upper

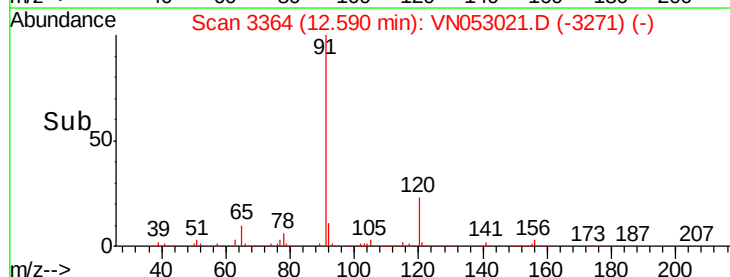
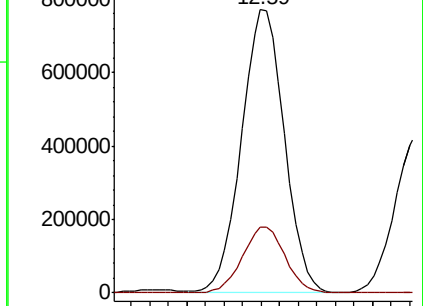
91 100

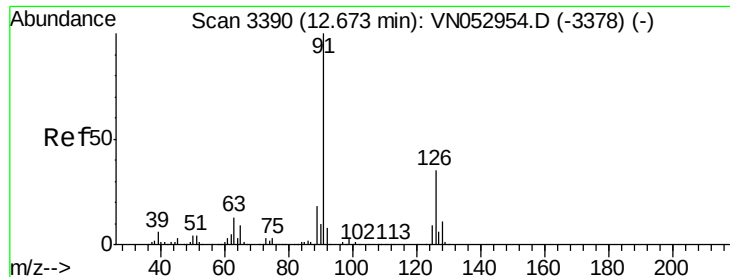
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

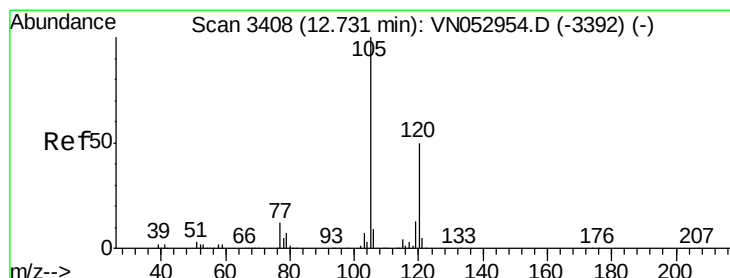
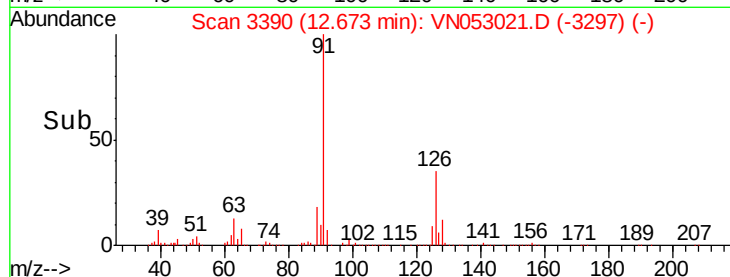
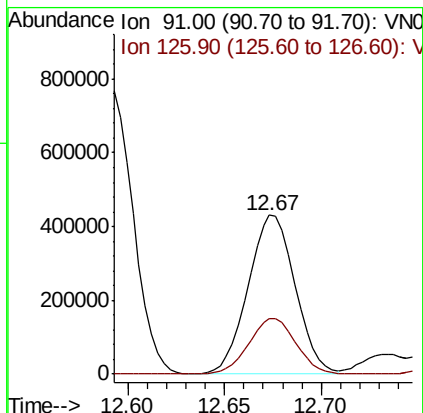
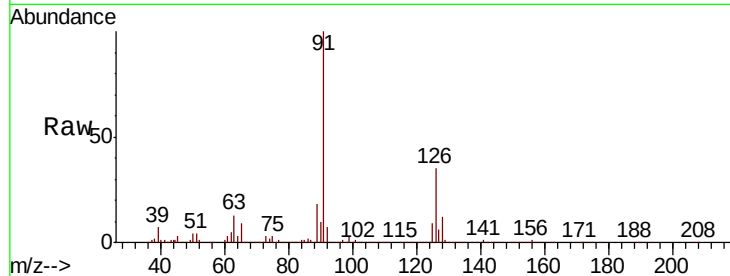




#79
 2-Chlorotoluene
 Concen: 19.746 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

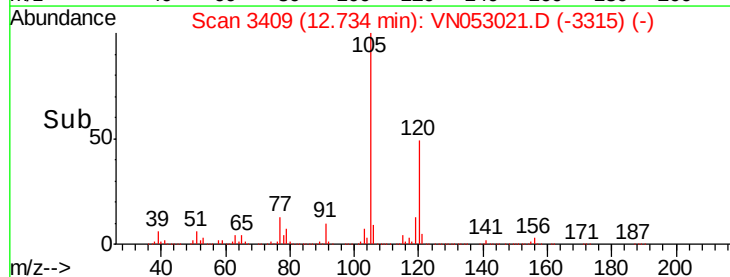
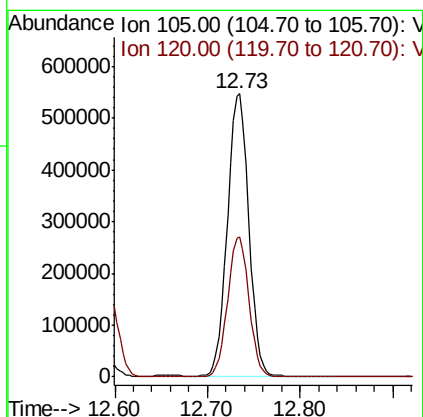
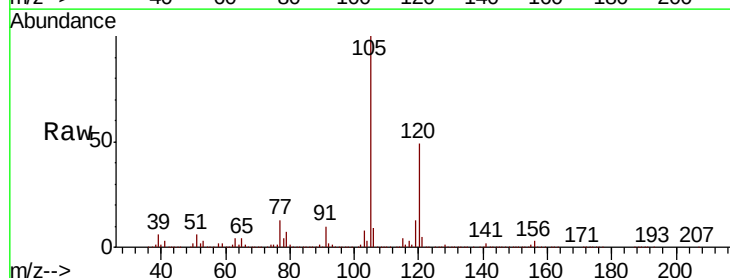
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD01

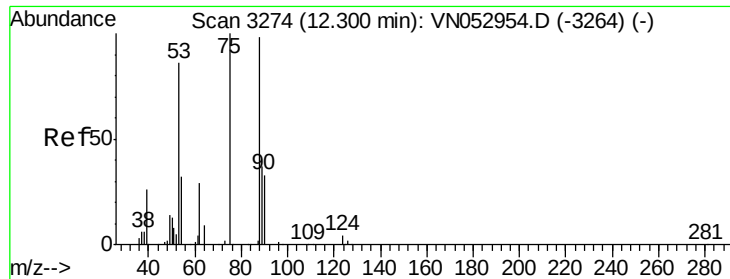
Tot Ion: 91 Resp: 722618
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.715 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

Tgt Ion: 105 Resp: 875291
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.161 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD01

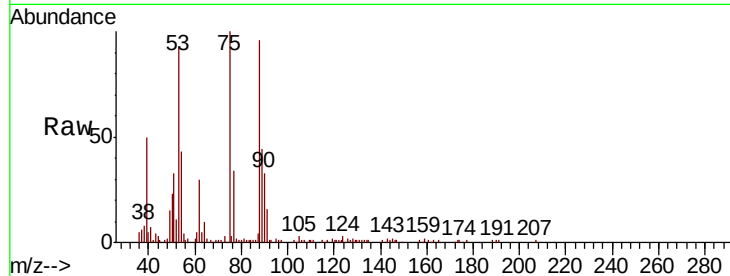
Tot Ion: 75 Resp: 62848

Ion Ratio Lower Upper

75 100

53 94.2 74.7 112.1

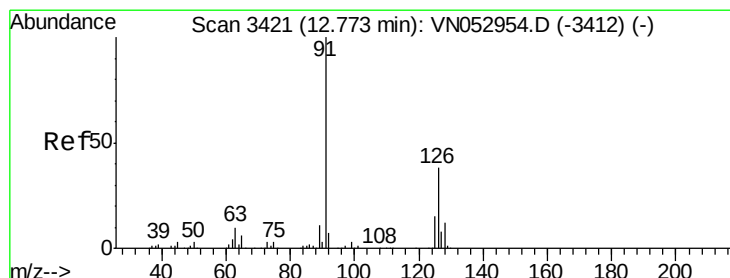
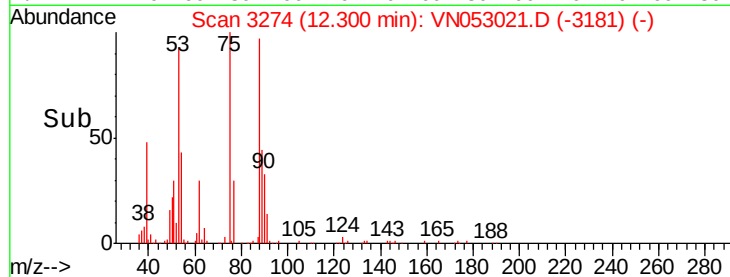
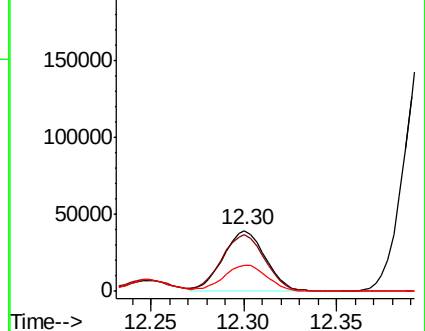
89 44.6 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN052954.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052954.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052954.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 20.423 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053021.D

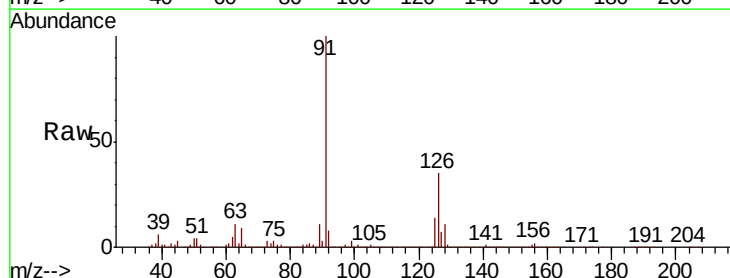
Acq: 19 Dec 2018 19:43

Tgt Ion: 91 Resp: 731629

Ion Ratio Lower Upper

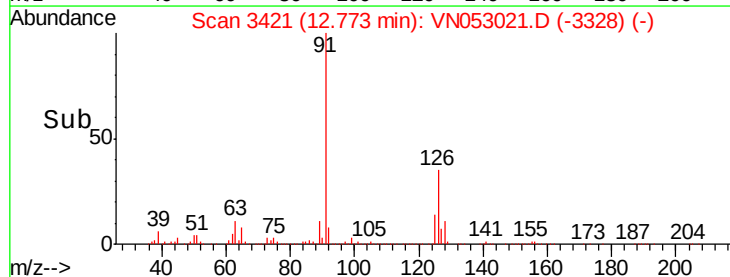
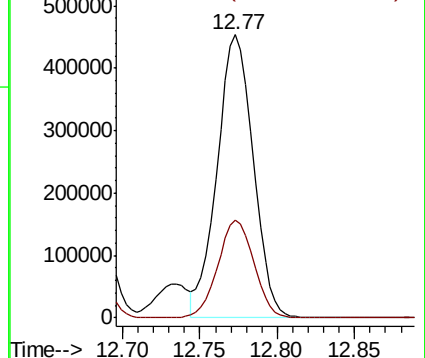
91 100

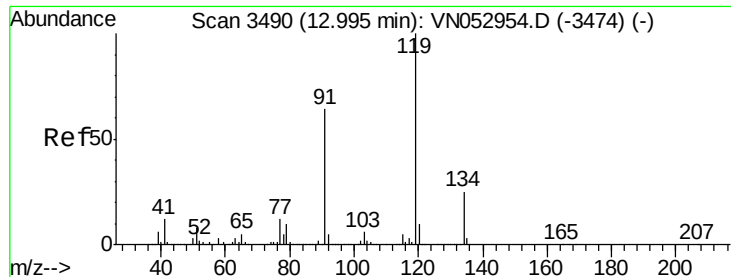
126 34.6 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3412) (-)

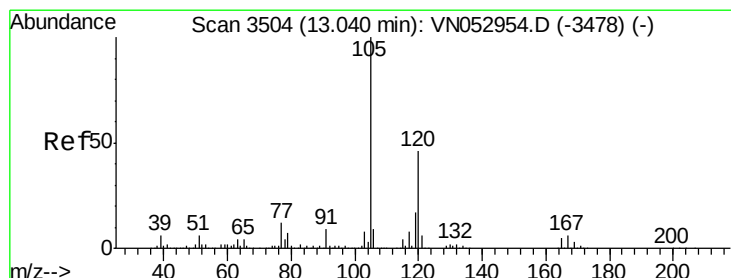
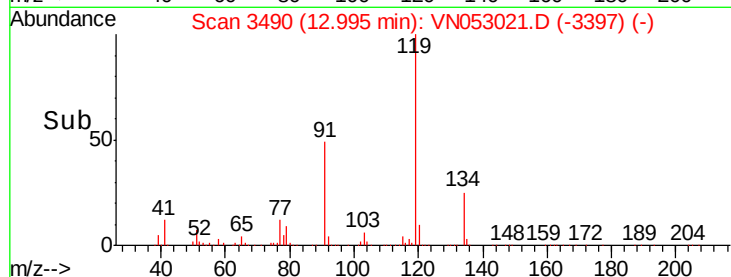
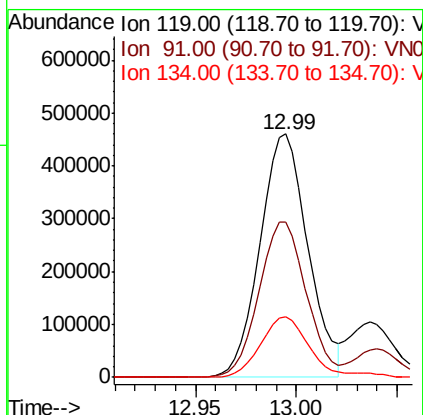
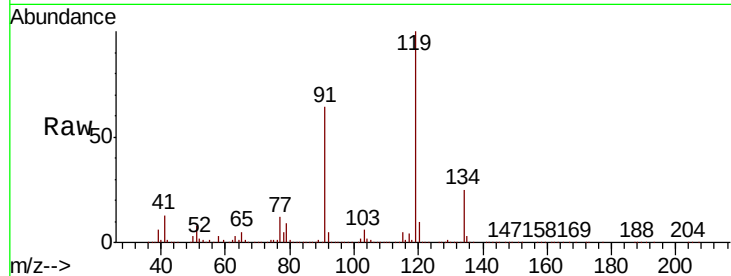




#83
 tert-Butylbenzene
 Concen: 20.362 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

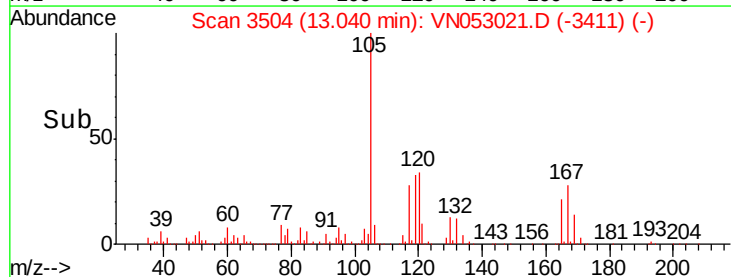
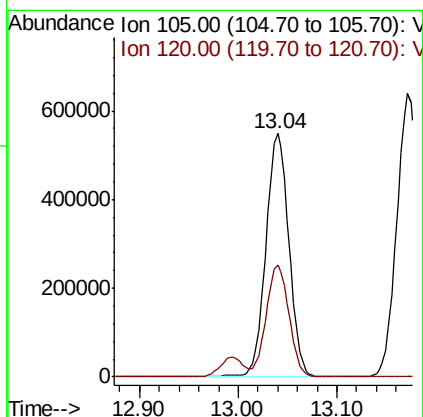
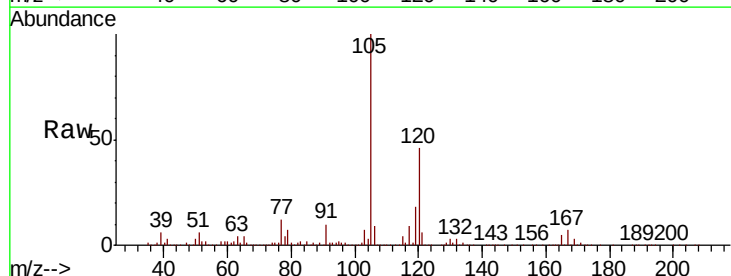
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD01

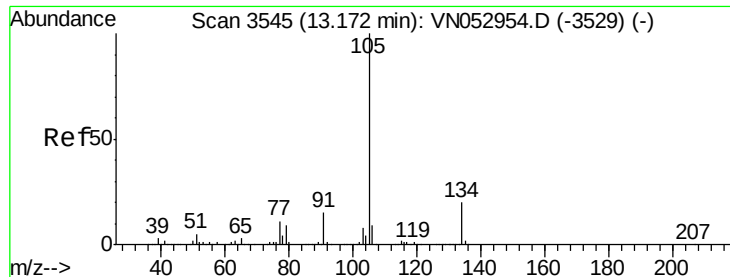
Tot Ion:119 Resp: 760941
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.9 95.5
 134 26.2 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.613 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

Tgt Ion:105 Resp: 875592
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.8





#85

sec-Butylbenzene

Concen: 19.828 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

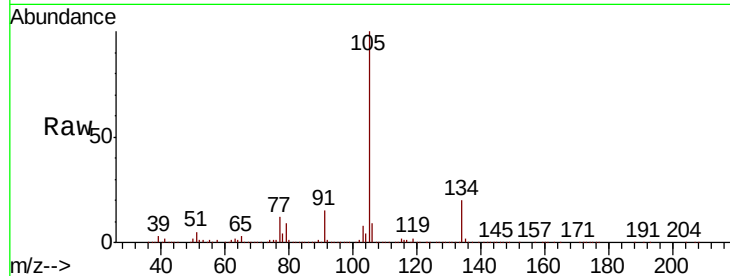
VN1219MBSD01

Tot Ion:105 Resp: 1002258

Ion Ratio Lower Upper

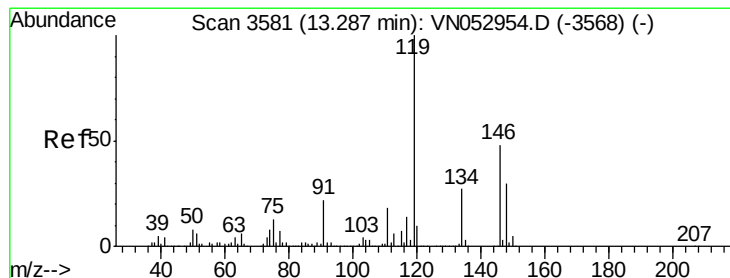
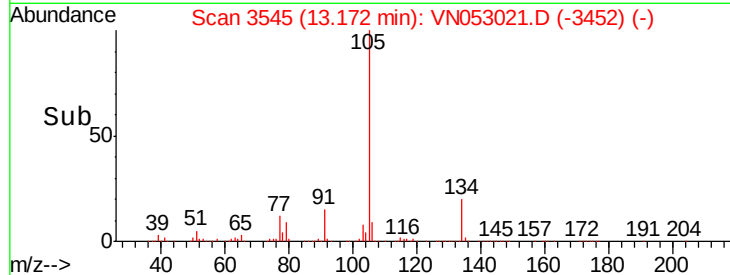
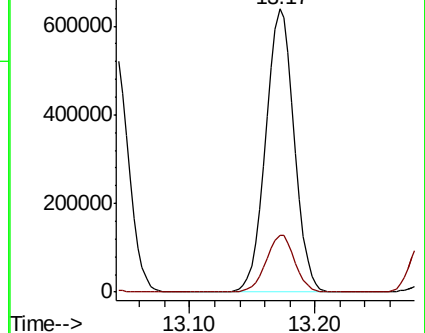
105 100

134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.428 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

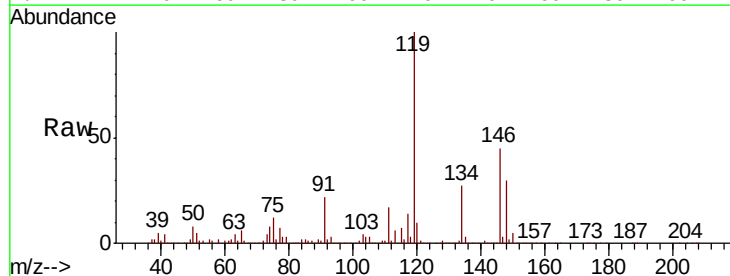
Tgt Ion:119 Resp: 848526

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.2

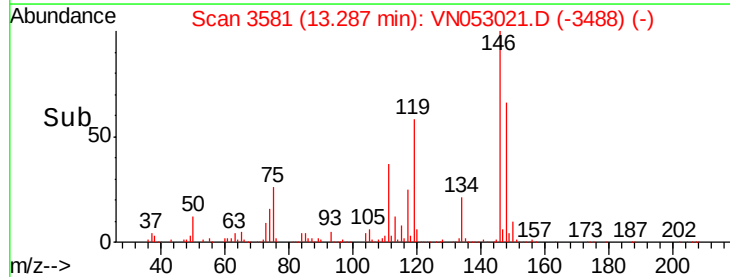
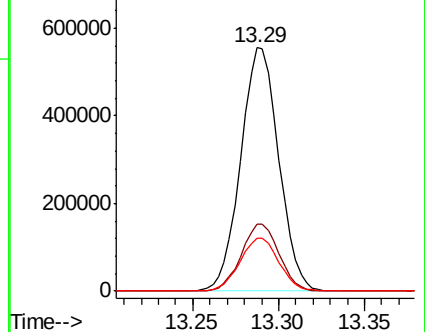
91 22.1 11.1 33.3

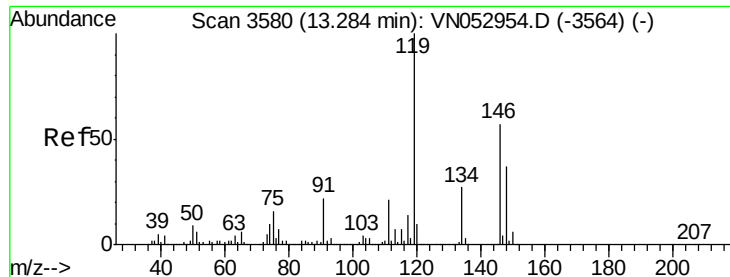


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

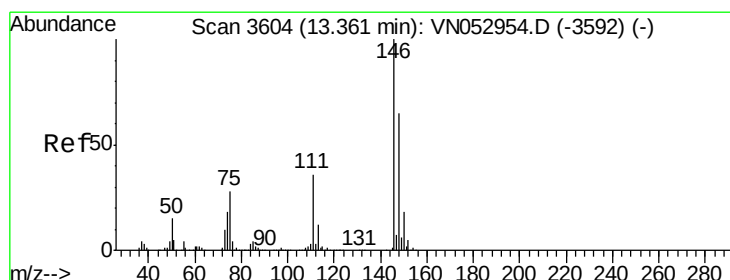
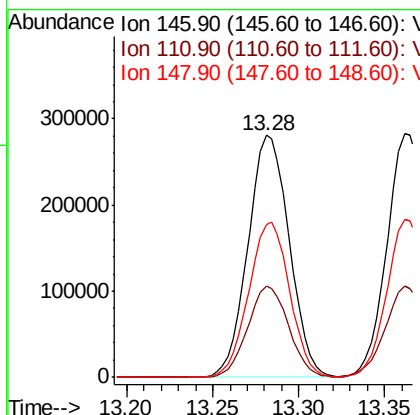
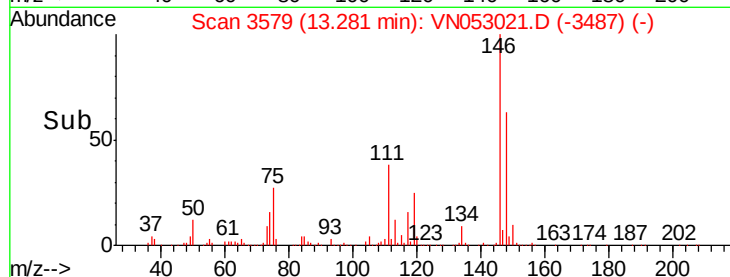
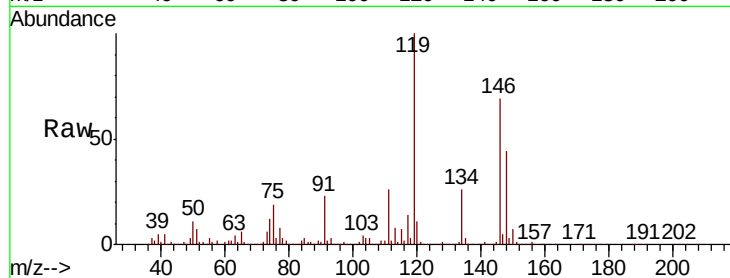




#87
 1,3-Dichlorobenzene
 Concen: 19.569 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

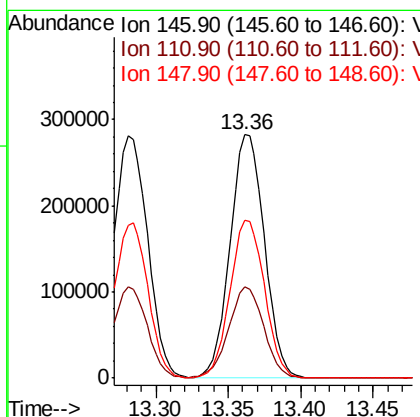
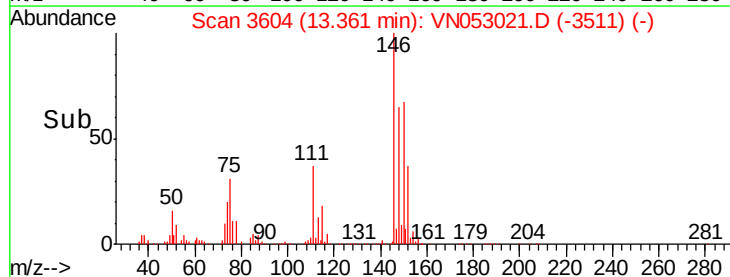
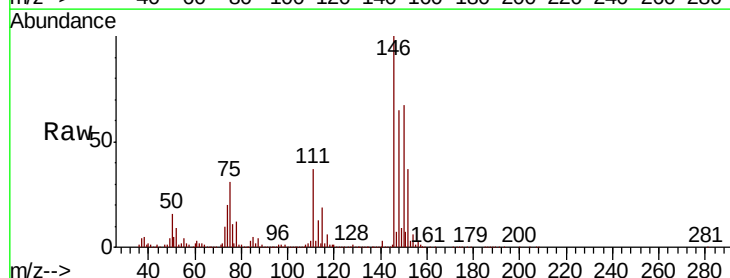
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD01

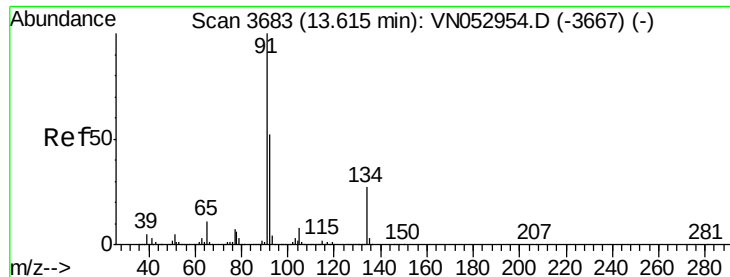
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.1
148	63.9	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.188 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	65.3	32.1	96.5





#89

n-Butylbenzene

Concen: 18.076 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053021.D

Acq: 19 Dec 2018 19:43

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBSD01

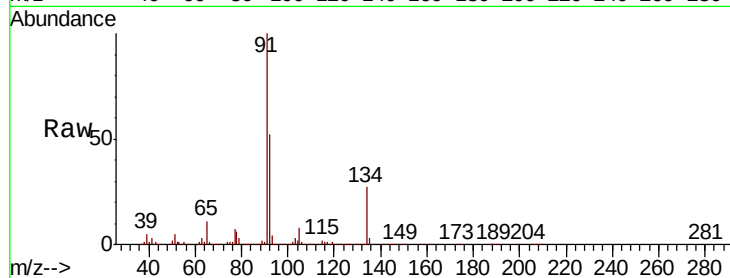
Tot Ion: 91 Resp: 679203

Ion Ratio Lower Upper

91 100

92 52.9 26.3 78.9

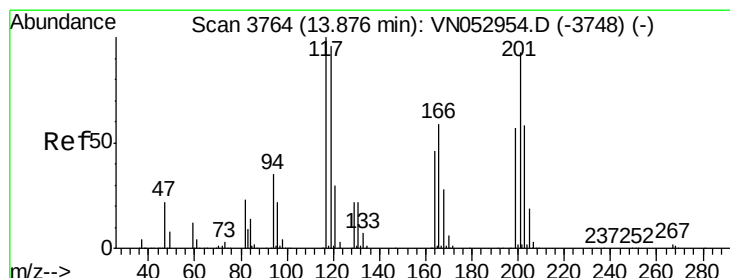
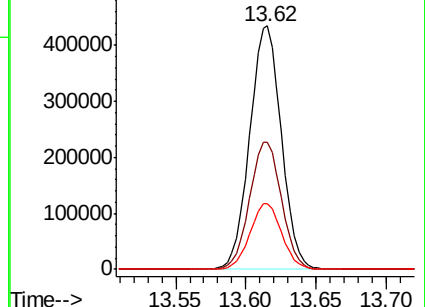
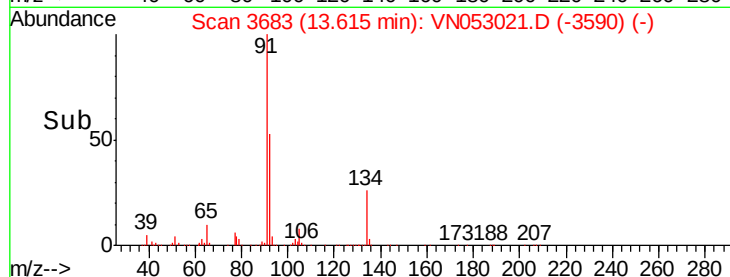
134 27.1 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN053021.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053021.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053021.D (-3590) (-)



#90

Hexachloroethane

Concen: 17.871 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053021.D

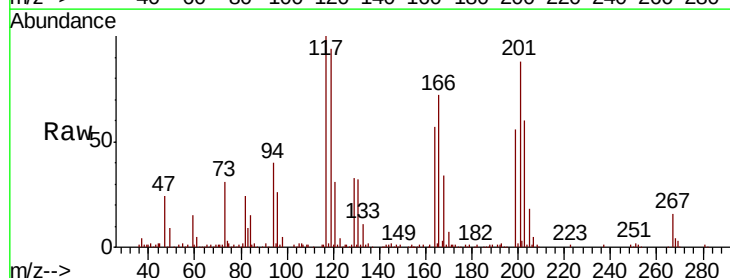
Acq: 19 Dec 2018 19:43

Tgt Ion: 117 Resp: 119779

Ion Ratio Lower Upper

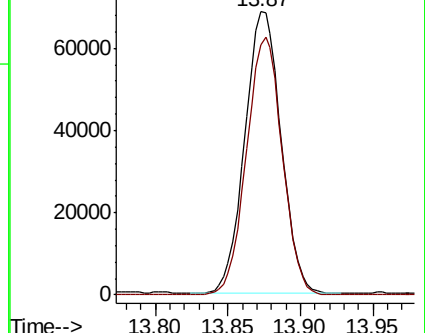
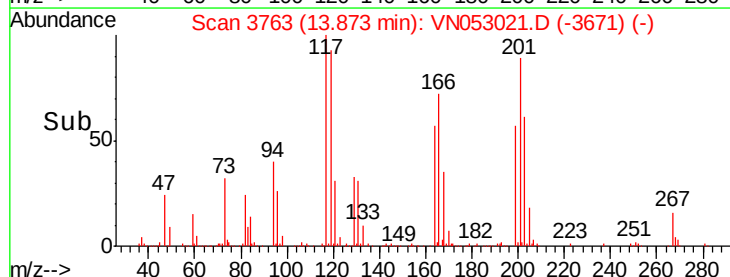
117 100

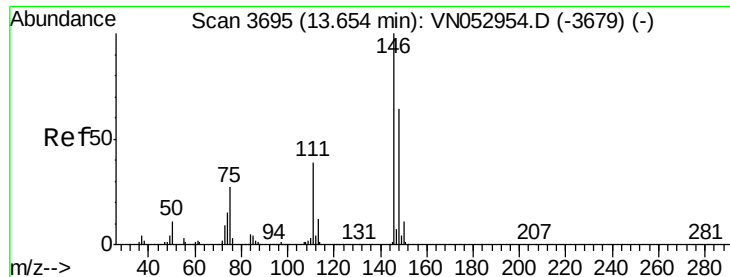
201 89.8 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN053021.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053021.D (-3671) (-)

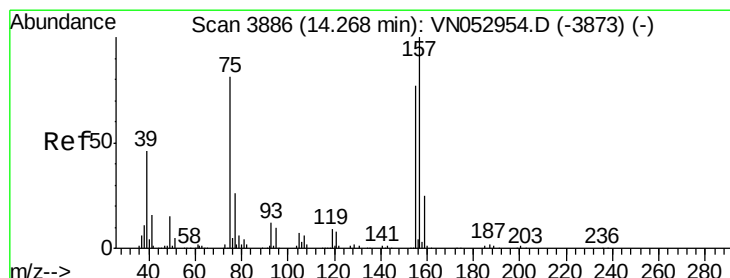
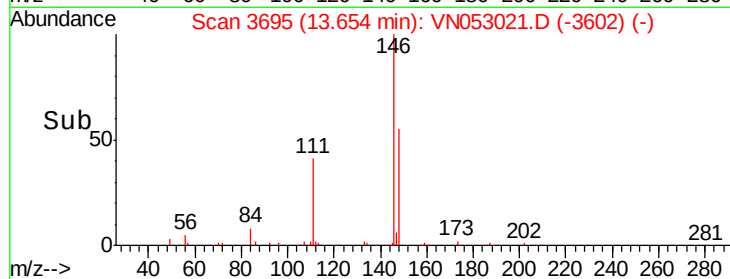
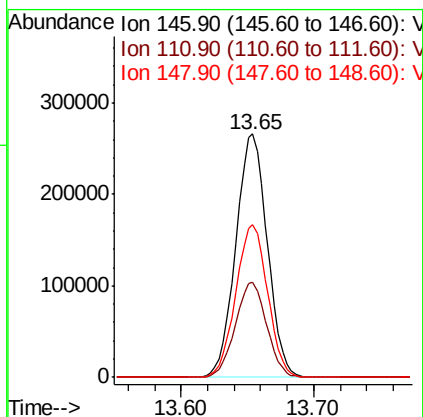
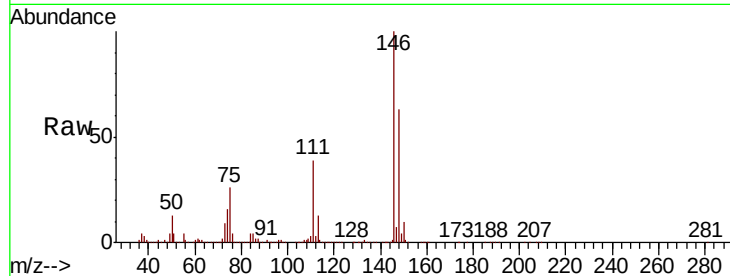




#91
 1,2-Dichlorobenzene
 Concen: 19.517 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

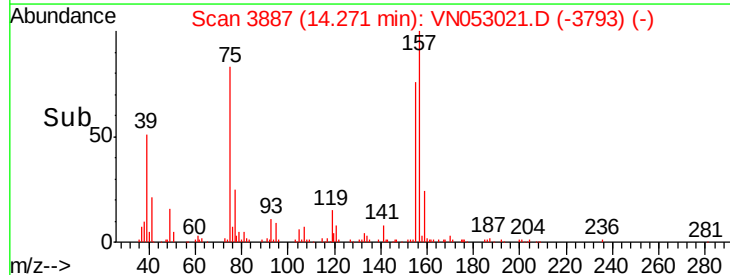
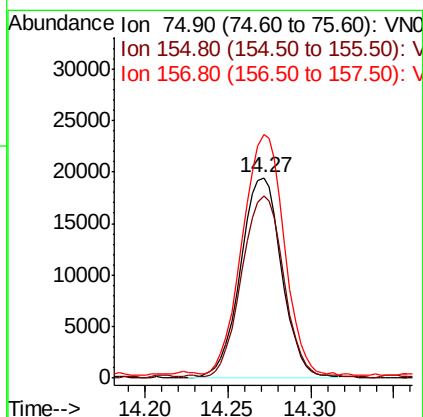
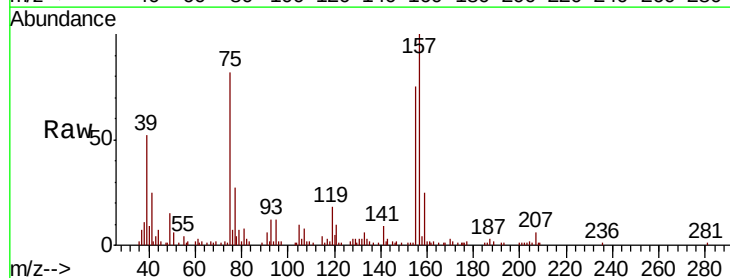
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD01

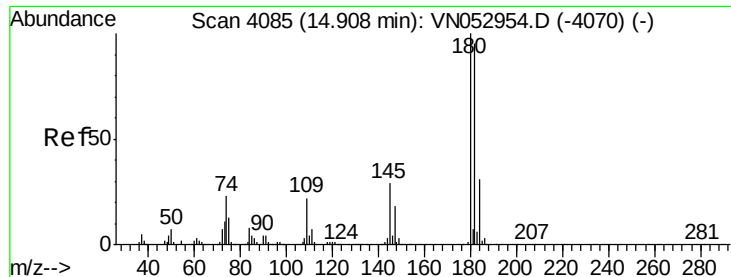
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	63.4	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.149 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	48.2	144.6
157	122.0	61.2	183.5

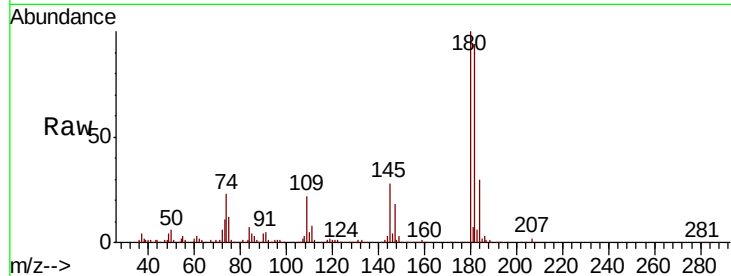




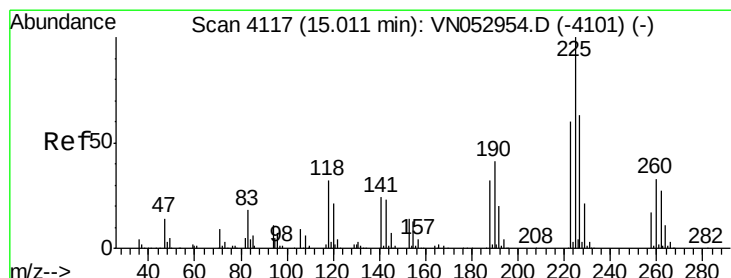
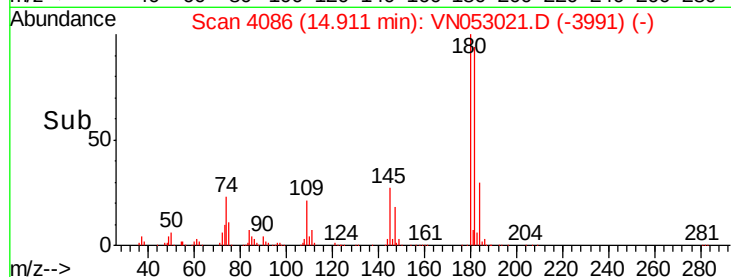
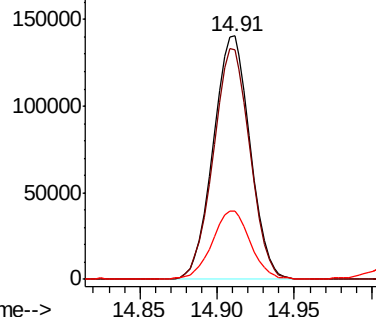
#93
 1,2,4-Trichlorobenzene
 Concen: 19.968 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.8	143.3
145	28.6	14.2	42.6

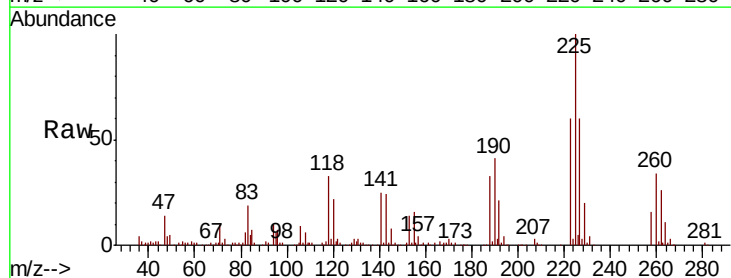


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

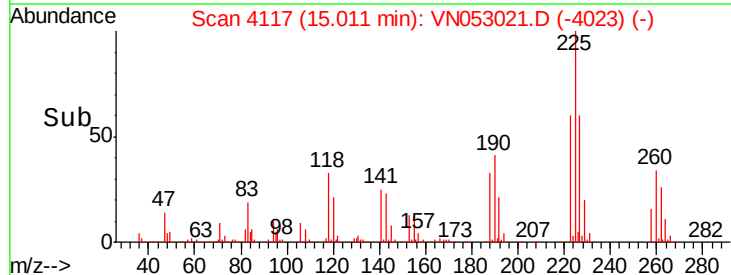
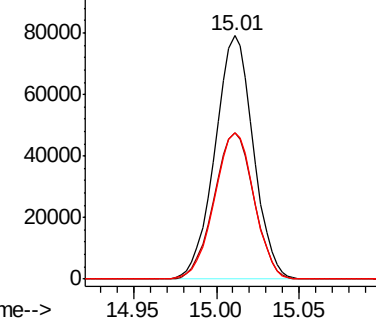


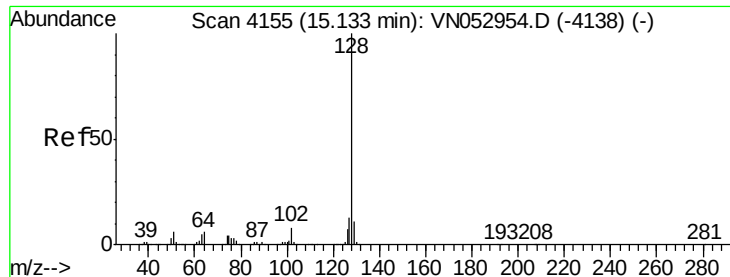
#94
 Hexachlorobutadiene
 Concen: 18.801 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053021.D
 Acq: 19 Dec 2018 19:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.5	94.5
227	62.1	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

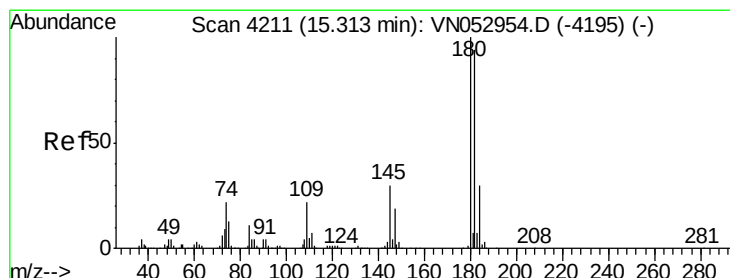
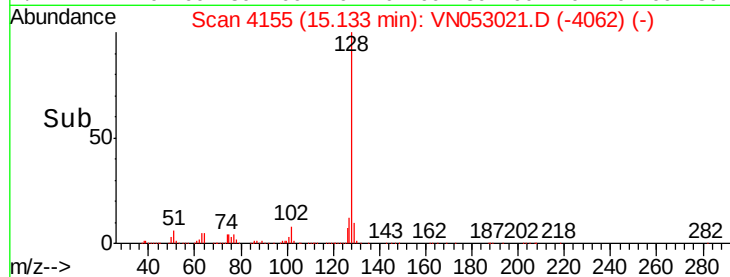
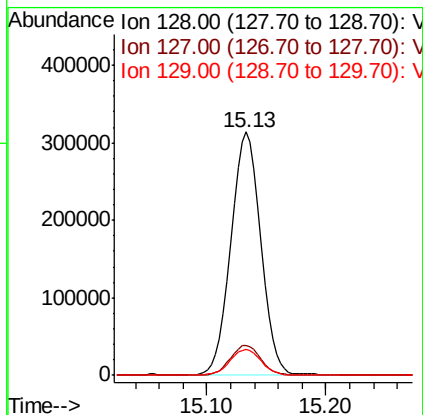
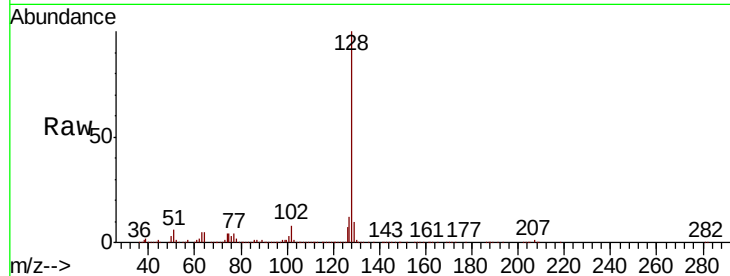




#95
Naphthalene
Concen: 21.612 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBSD01

Tot Ion:128 Resp: 545650
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.236 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053021.D
Acq: 19 Dec 2018 19:43

Tgt Ion:180 Resp: 213436
Ion Ratio Lower Upper
180 100
182 94.7 47.9 143.7
145 30.1 15.0 45.0

