

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101918\
 Data File : VN051939.D
 Acq On : 19 Oct 2018 11:20
 Operator : MD\SY
 Sample : VN1019WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

Quant Time: Oct 19 23:05:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	975518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1459708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1274444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	534086	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	443424	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
35) Dibromofluoromethane	7.59	113	449194	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	10.09	98	1598221	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
62) 4-Bromofluorobenzene	12.40	95	493741	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	108852	18.441	ug/l	99
3) Chloromethane	2.06	50	109181	18.931	ug/l	100
4) Vinyl Chloride	2.19	62	166156	19.075	ug/l	97
5) Bromomethane	2.57	94	153186	20.300	ug/l	97
6) Chloroethane	2.71	64	128977	20.402	ug/l	98
7) Trichlorofluoromethane	3.02	101	271868	20.253	ug/l	97
8) Diethyl Ether	3.41	74	80550	20.483	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	158588	20.591	ug/l	99
10) Methyl Iodide	3.95	142	187089	20.520	ug/l	100
11) Tert butyl alcohol	4.79	59	41324	78.199	ug/l	100
12) 1,1-Dichloroethene	3.74	96	147340	20.987	ug/l	96
13) Acrolein	3.61	56	28721	61.257	ug/l	96
14) Allyl chloride	4.33	41	151257	19.892	ug/l	96
15) Acrylonitrile	4.99	53	184577	95.660	ug/l	99
16) Acetone	3.82	43	134147	83.769	ug/l	98
17) Carbon Disulfide	4.06	76	297739	17.010	ug/l	100
18) Methyl Acetate	4.34	43	95594	18.308	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	394799	19.513	ug/l	98
20) Methylene Chloride	4.55	84	161271	19.811	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	159152	19.725	ug/l	99
22) Diisopropyl ether	5.95	45	366903	20.704	ug/l	91
23) Vinyl Acetate	5.90	43	1167781	95.716	ug/l	99
24) 1,1-Dichloroethane	5.86	63	260184	20.274	ug/l	100
25) 2-Butanone	6.84	43	201951	88.240	ug/l	97
26) 2,2-Dichloropropane	6.82	77	233580	19.245	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	186335	19.873	ug/l	98
28) Bromochloromethane	7.20	49	106765	20.487	ug/l	96
29) Tetrahydrofuran	7.22	42	126099	90.207	ug/l	98
30) Chloroform	7.37	83	315479	20.549	ug/l	96
31) Cyclohexane	7.65	56	216045	19.068	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	288722	20.162	ug/l	99
36) 1,1-Dichloropropene	7.80	75	213571	18.851	ug/l	98
37) Ethyl Acetate	6.93	43	96743	17.711	ug/l	100
38) Carbon Tetrachloride	7.77	117	254093	19.045	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101918\
 Data File : VN051939.D
 Acq On : 19 Oct 2018 11:20
 Operator : MD\SY
 Sample : VN1019WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

Quant Time: Oct 19 23:05:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	260486	18.567	ug/l	99
40) Benzene	8.04	78	650373	19.651	ug/l	99
41) Methacrylonitrile	7.18	41	47876	18.604	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	210039	19.809	ug/l	100
43) Isopropyl Acetate	8.17	43	184705	17.048	ug/l	97
44) Trichloroethene	8.84	130	202562	19.503	ug/l	96
45) 1,2-Dichloropropane	9.12	63	154228	20.152	ug/l	99
46) Dibromomethane	9.21	93	115463	19.793	ug/l	95
47) Bromodichloromethane	9.40	83	231545	19.804	ug/l	100
48) Methyl methacrylate	9.20	41	84889	18.561	ug/l	98
49) 1,4-Dioxane	9.20	88	30555	351.740	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	478103	90.651	ug/l	99
52) Toluene	10.16	92	430673	19.452	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	199879	18.040	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	239425	19.379	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	159220	19.627	ug/l	98
56) Ethyl methacrylate	10.43	69	163216	17.996	ug/l	97
57) 1,3-Dichloropropane	10.71	76	242298	19.616	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	347442	85.055	ug/l	99
59) 2-Hexanone	10.75	43	291232	82.352	ug/l	100
60) Dibromochloromethane	10.90	129	176170	17.588	ug/l	100
61) 1,2-Dibromoethane	11.01	107	157396	18.498	ug/l	99
64) Tetrachloroethene	10.63	164	208701	20.401	ug/l	97
65) Chlorobenzene	11.43	112	500017	19.624	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	186299	19.643	ug/l	99
67) Ethyl Benzene	11.51	91	816680	19.565	ug/l	99
68) m/p-Xylenes	11.62	106	650067	38.786	ug/l	98
69) o-Xylene	11.95	106	325046	19.901	ug/l	98
70) Styrene	11.96	104	478761	19.055	ug/l	98
71) Bromoform	12.13	173	105434	17.055	ug/l #	99
73) Isopropylbenzene	12.25	105	860998	20.824	ug/l	99
74) N-amyl acetate	12.07	43	129561	18.225	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	167719	20.072	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	190599	29.361	ug/l #	100
77) Bromobenzene	12.53	156	209192	19.884	ug/l	97
78) n-propylbenzene	12.59	91	892215	20.730	ug/l	99
79) 2-Chlorotoluene	12.67	91	535464	21.977	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	695912	20.824	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	31328	16.017	ug/l	88
82) 4-Chlorotoluene	12.77	91	514910	20.473	ug/l	100
83) tert-Butylbenzene	12.99	119	659409	20.997	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	687197	20.914	ug/l	98
85) sec-Butylbenzene	13.17	105	826883	20.711	ug/l	99
86) p-Isopropyltoluene	13.29	119	723554	20.910	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	346297	19.530	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	330884	18.987	ug/l	99
89) n-Butylbenzene	13.62	91	514625	20.502	ug/l	98
90) Hexachloroethane	13.87	117	114382	19.764	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	352247	20.513	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21512	19.218	ug/l	95

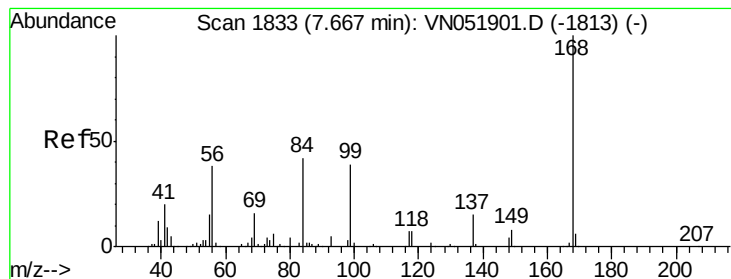
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101918\
Data File : VN051939.D
Acq On : 19 Oct 2018 11:20
Operator : MD\SY
Sample : VN1019WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Quant Time: Oct 19 23:05:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 19 05:11:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116174	16.391	ug/l	97
94) Hexachlorobutadiene	15.01	225	111154	20.441	ug/l	98
95) Naphthalene	15.13	128	219556	15.597	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	129391	17.550	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

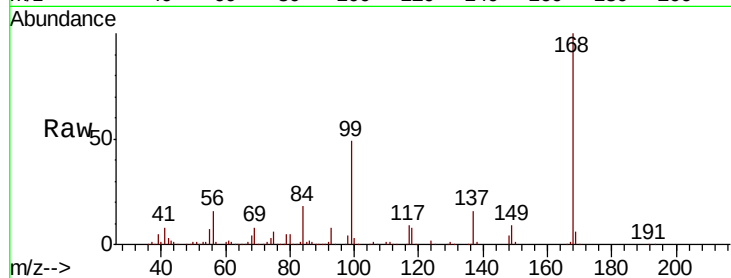
VN1019WBSD01

Tot Ion:168 Resp: 975518

Ion Ratio Lower Upper

168 100

99 48.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

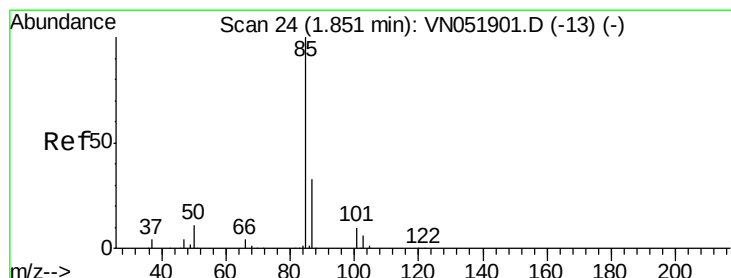
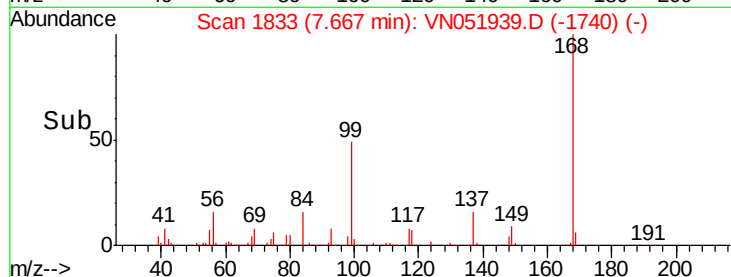
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.441 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051939.D

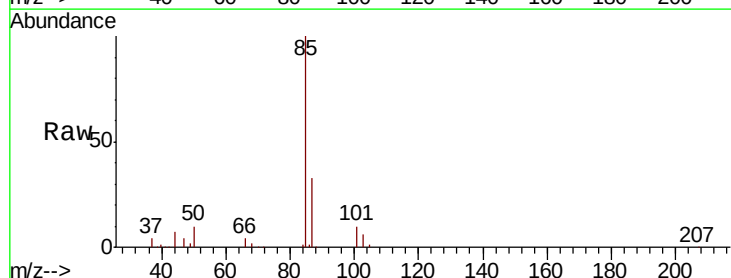
Acq: 19 Oct 2018 11:20

Tgt Ion: 85 Resp: 108852

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

60000

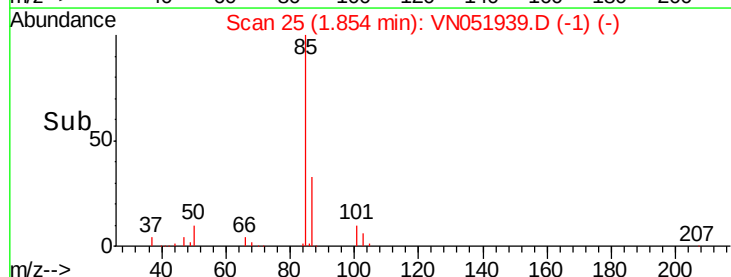
40000

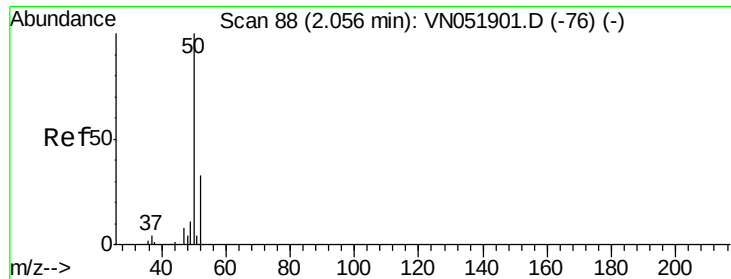
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.931 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

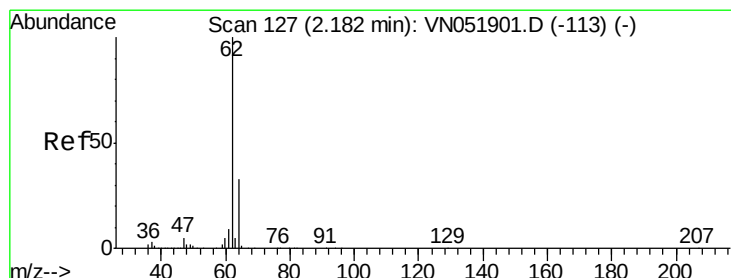
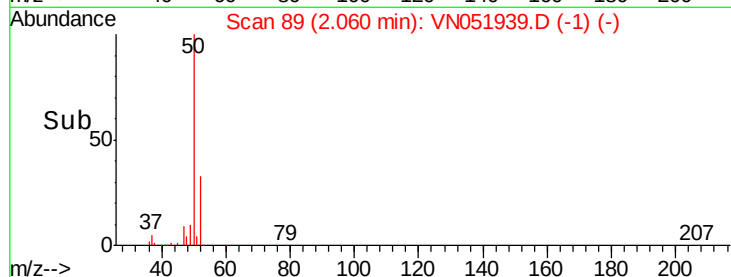
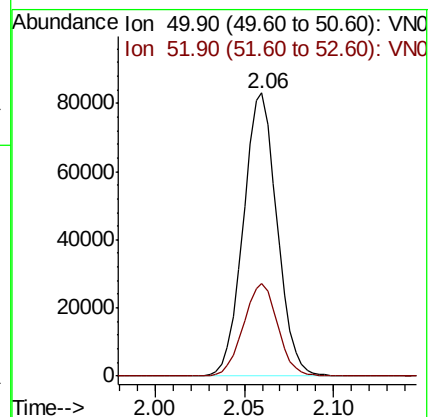
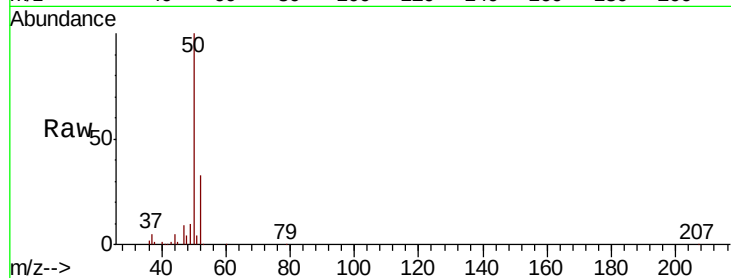
VN1019WBSD01

Tot Ion: 50 Resp: 109181

Ion Ratio Lower Upper

50 100

52 32.7 26.3 39.5



#4

Vinyl Chloride

Concen: 19.075 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051939.D

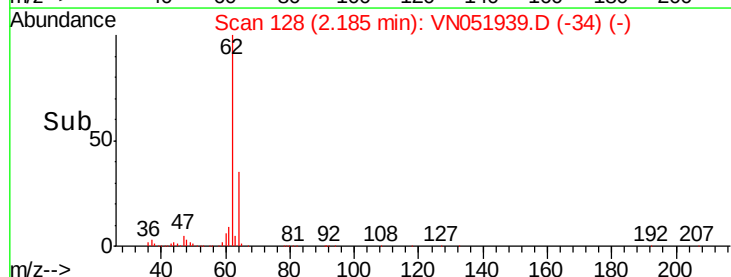
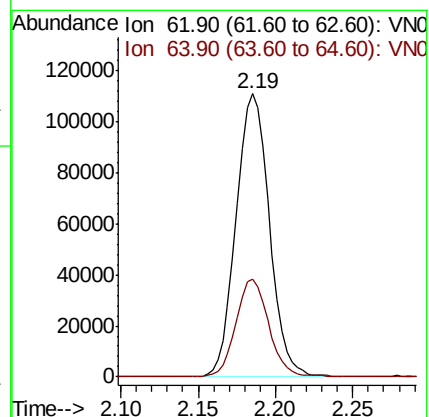
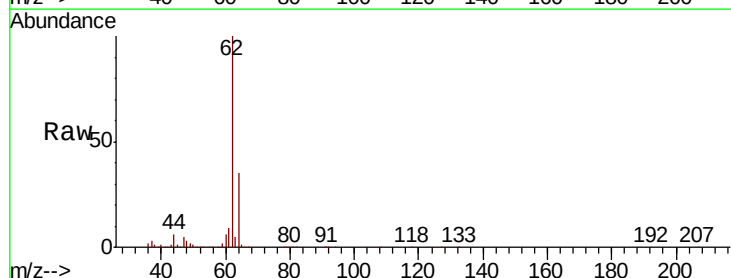
Acq: 19 Oct 2018 11:20

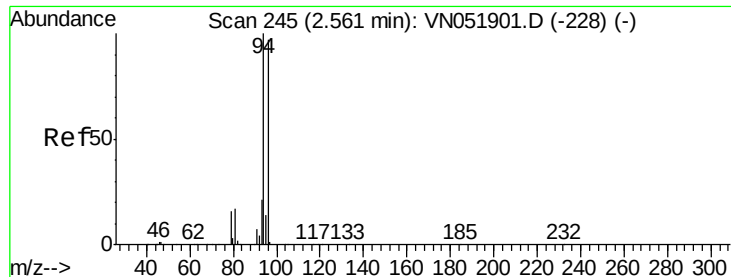
Tgt Ion: 62 Resp: 166156

Ion Ratio Lower Upper

62 100

64 34.6 26.2 39.2





#5

Bromomethane

Concen: 20.300 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

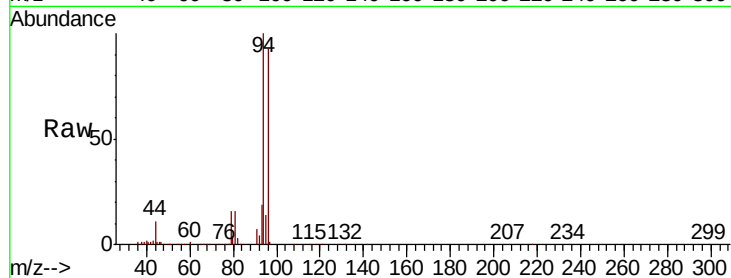
VN1019WBSD01

Tot Ion: 94 Resp: 153186

Ion Ratio Lower Upper

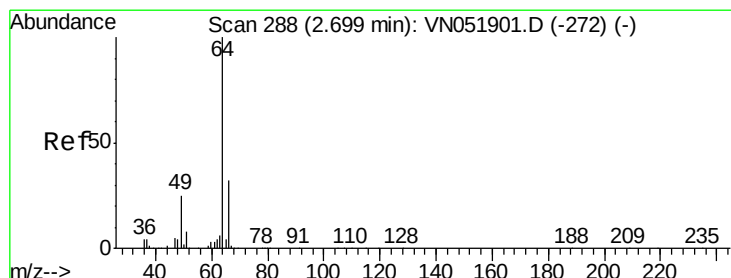
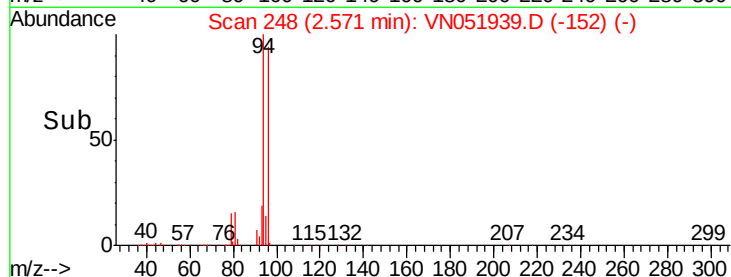
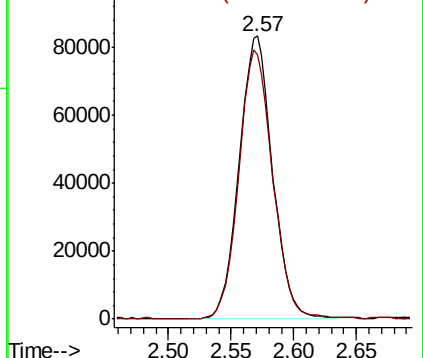
94 100

96 93.7 77.5 116.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.402 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051939.D

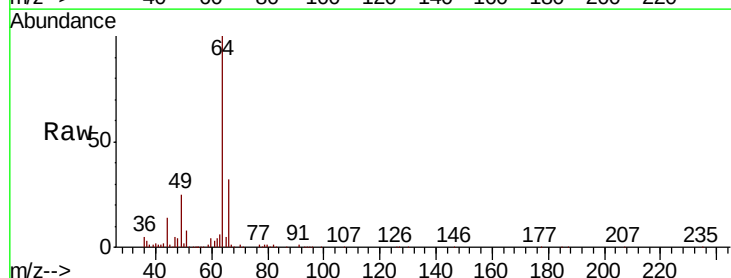
Acq: 19 Oct 2018 11:20

Tgt Ion: 64 Resp: 128977

Ion Ratio Lower Upper

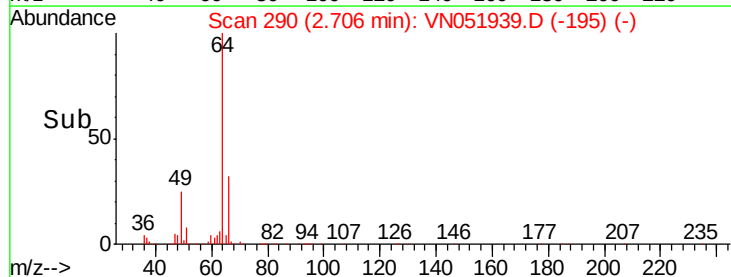
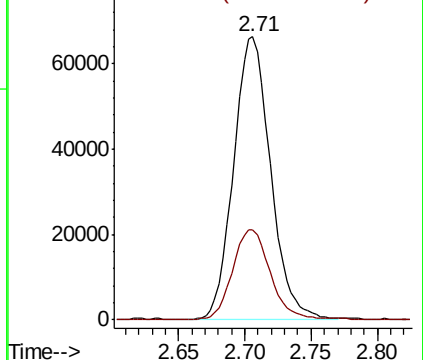
64 100

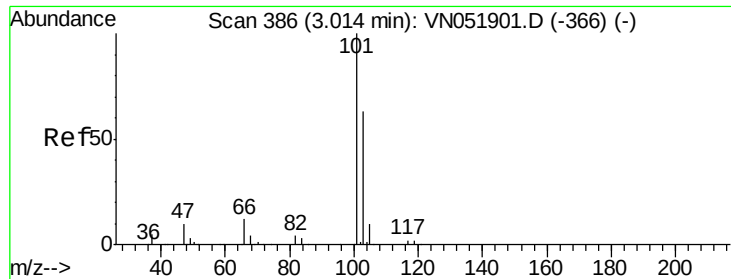
66 31.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



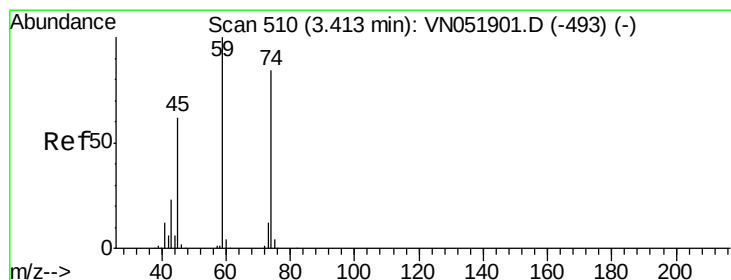
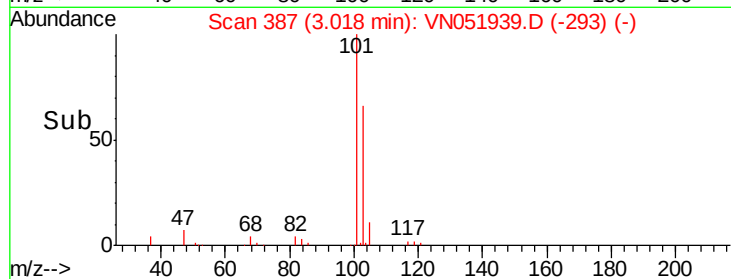
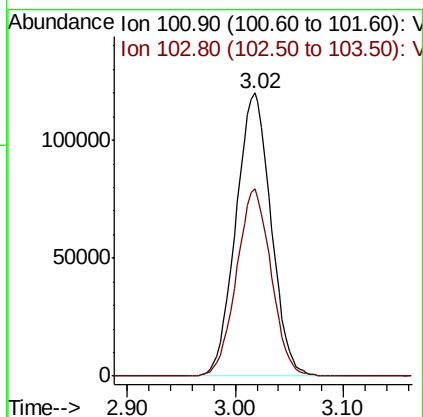
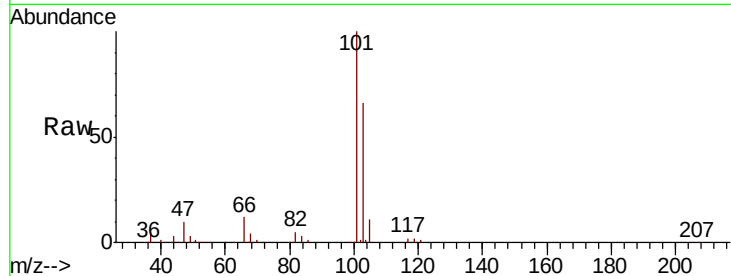


#7

Trichlorofluoromethane
 Concen: 20.253 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

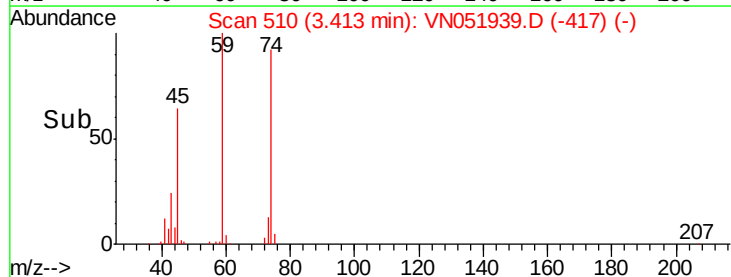
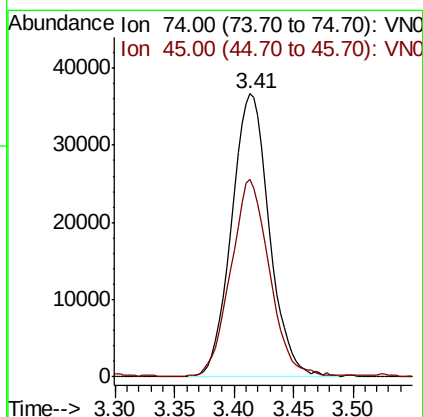
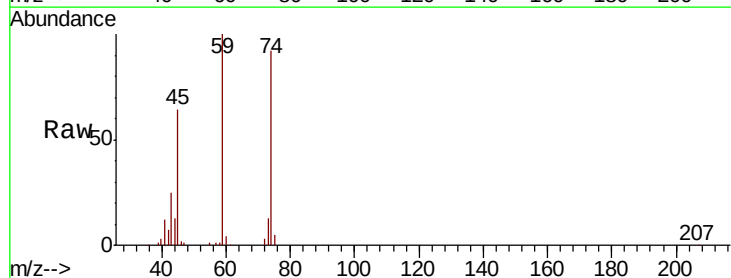
Tot Ion:101 Resp: 271868
 Ion Ratio Lower Upper
 101 100
 103 66.1 50.8 76.2

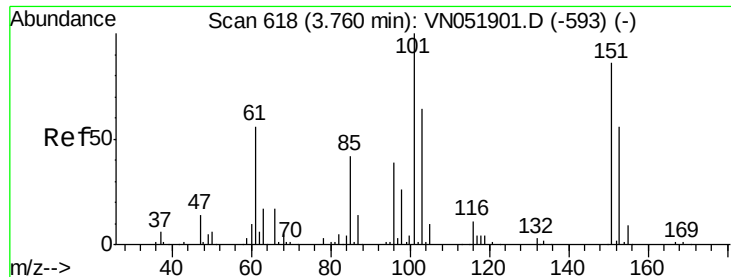


#8

Diethyl Ether
 Concen: 20.483 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion: 74 Resp: 80550
 Ion Ratio Lower Upper
 74 100
 45 71.5 36.8 110.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.591 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

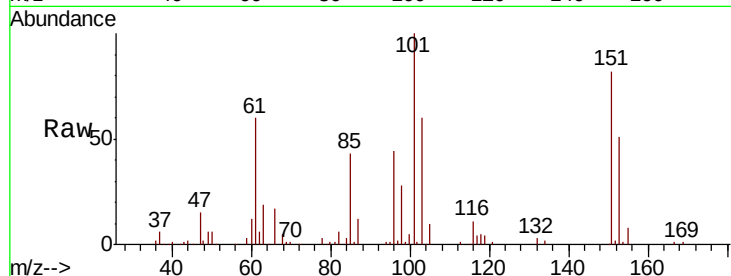
Tot Ion:101 Resp: 158588

Ion Ratio Lower Upper

101 100

85 43.6 34.8 52.2

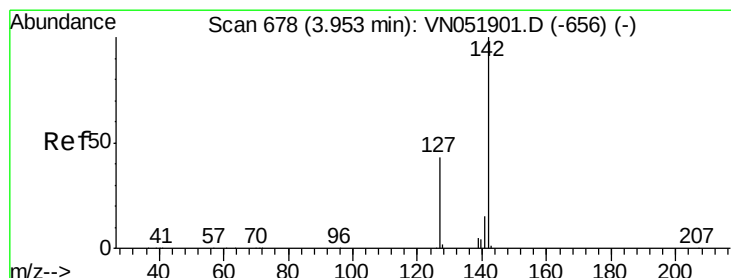
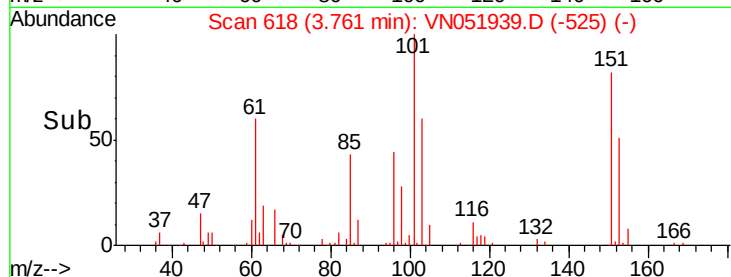
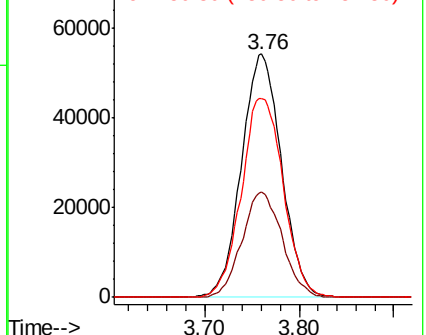
151 86.1 68.0 102.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.520 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

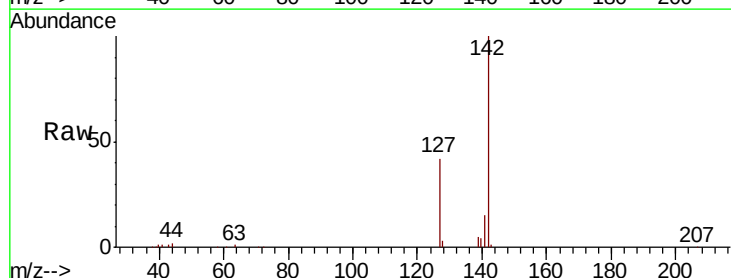
Tgt Ion:142 Resp: 187089

Ion Ratio Lower Upper

142 100

127 42.6 34.3 51.5

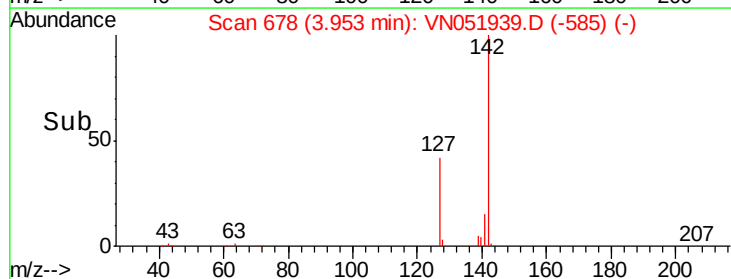
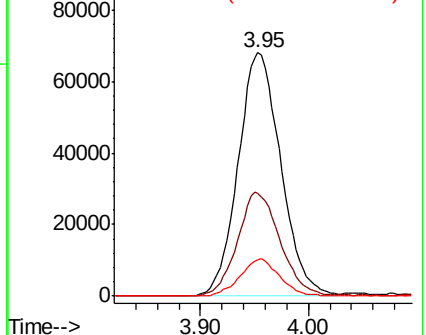
141 14.1 11.1 16.7

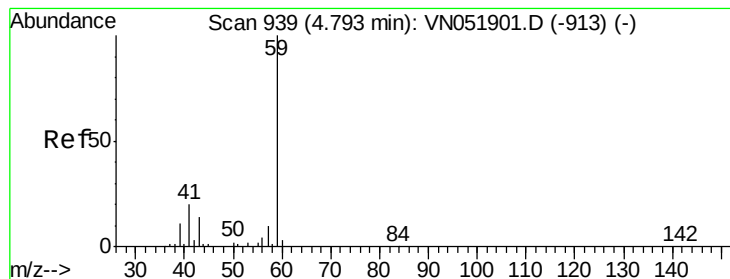


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



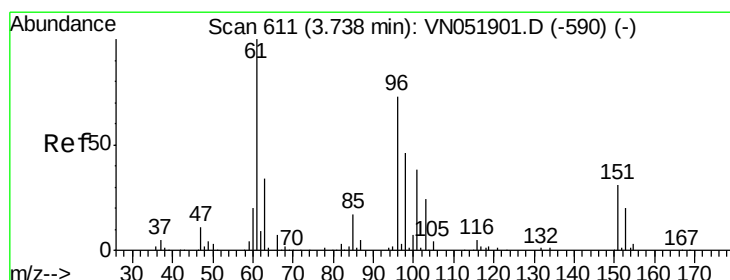
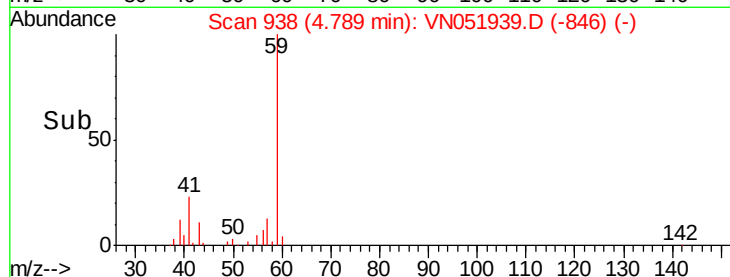
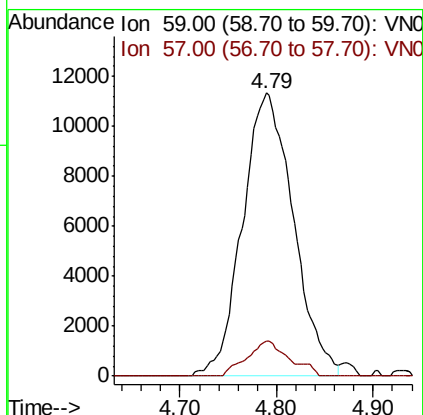
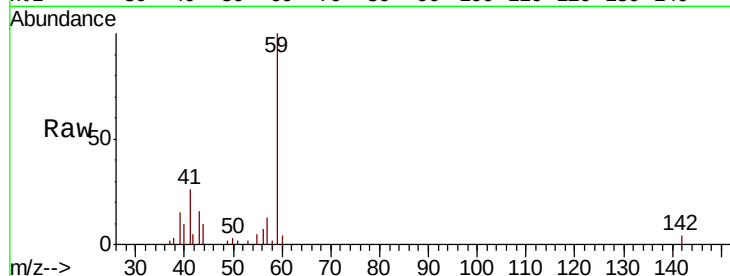


#11

Tert butyl alcohol
 Concen: 78.199 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

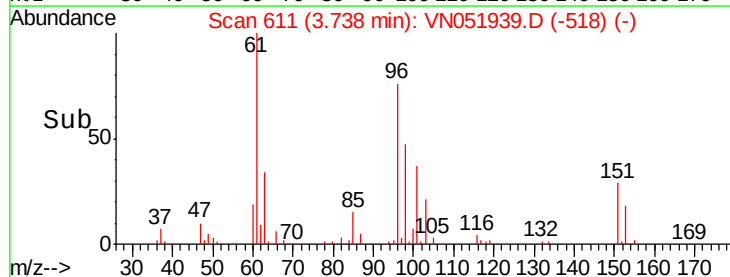
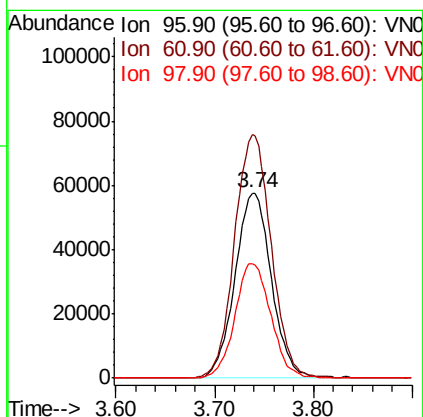
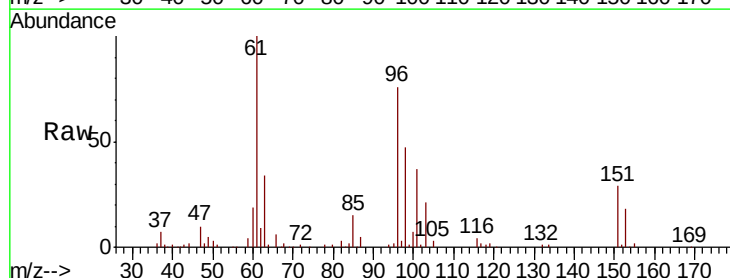
Tot Ion: 59 Resp: 41324
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.3 12.5

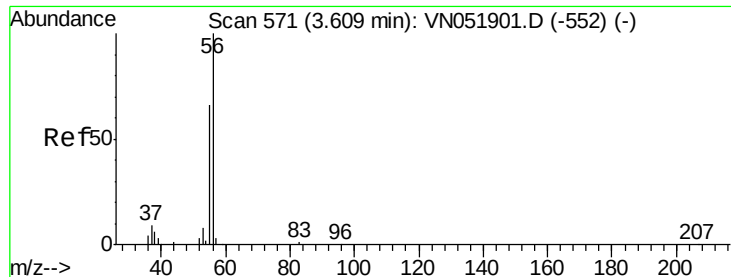


#12

1,1-Dichloroethene
 Concen: 20.987 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion: 96 Resp: 147340
 Ion Ratio Lower Upper
 96 100
 61 131.5 109.8 164.6
 98 61.9 50.9 76.3





#13

Acrolein

Concen: 61.257 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

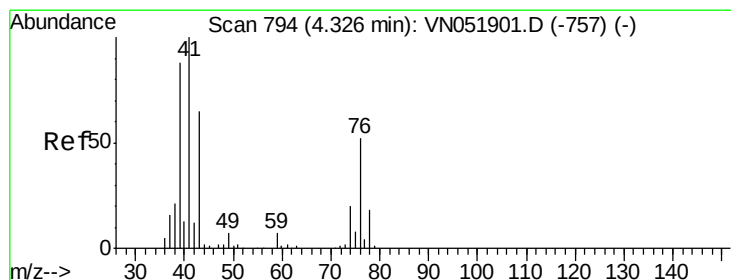
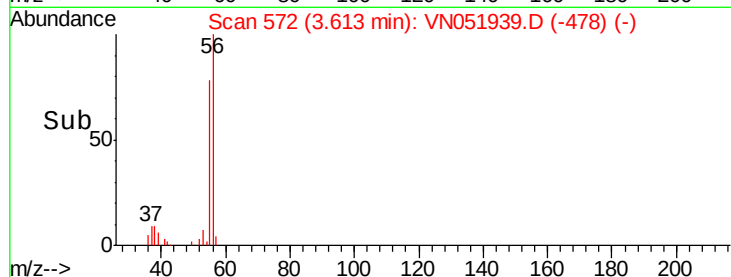
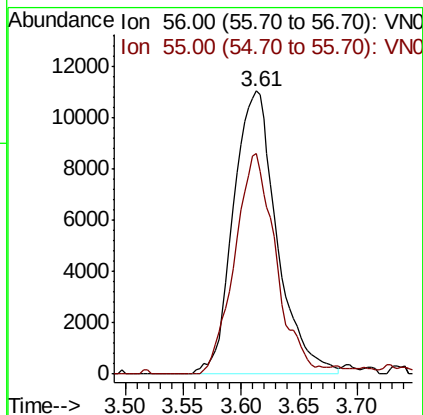
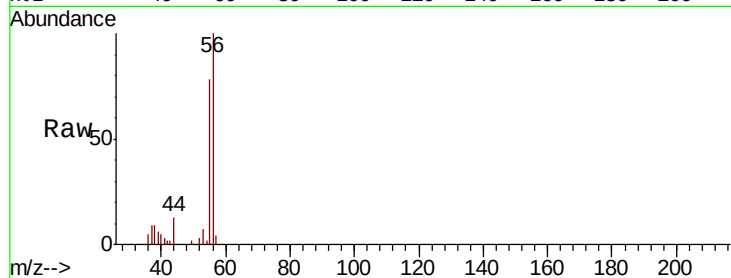
VN1019WBSD01

Tot Ion: 56 Resp: 28721

Ion Ratio Lower Upper

56 100

55 73.9 56.7 85.1



#14

Allyl chloride

Concen: 19.892 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

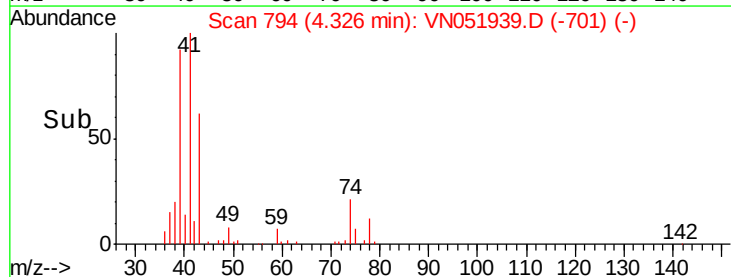
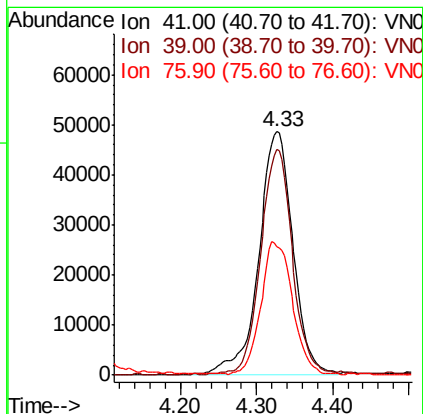
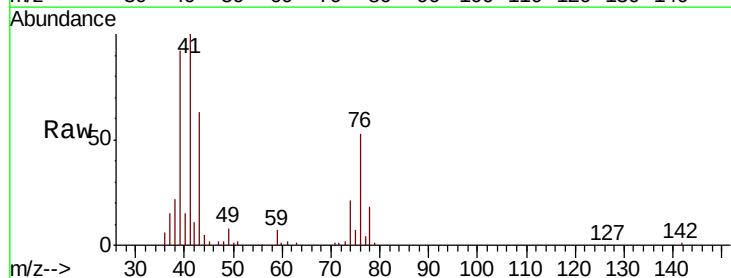
Tgt Ion: 41 Resp: 151257

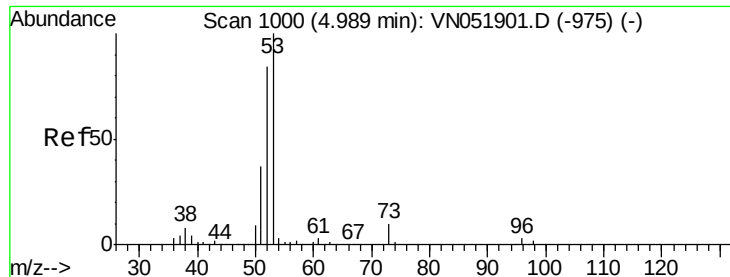
Ion Ratio Lower Upper

41 100

39 86.6 65.4 98.0

76 49.8 39.6 59.4





#15

Acrylonitrile

Concen: 95.660 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

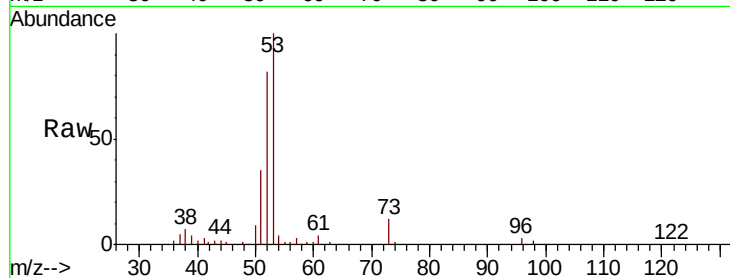
Tot Ion: 53 Resp: 184577

Ion Ratio Lower Upper

53 100

52 81.4 65.8 98.8

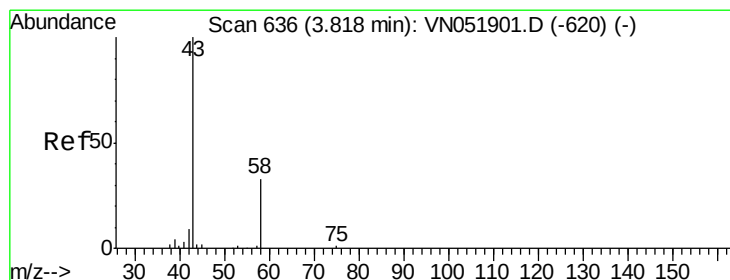
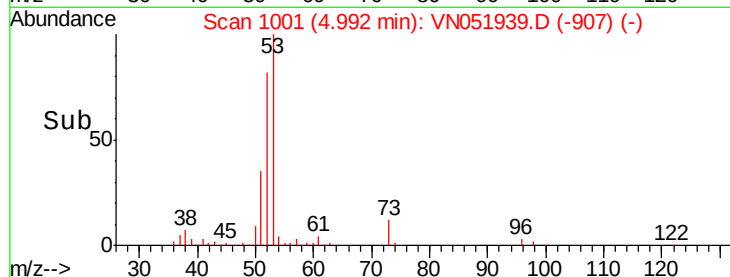
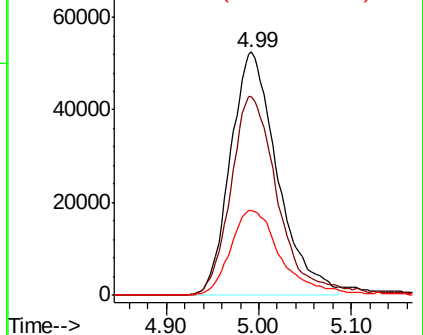
51 37.6 29.4 44.2



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: 83.769 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051939.D

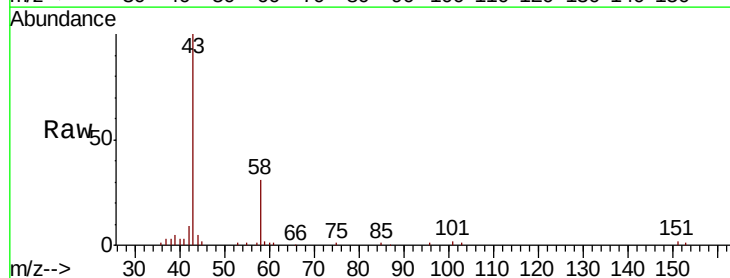
Acq: 19 Oct 2018 11:20

Tgt Ion: 43 Resp: 134147

Ion Ratio Lower Upper

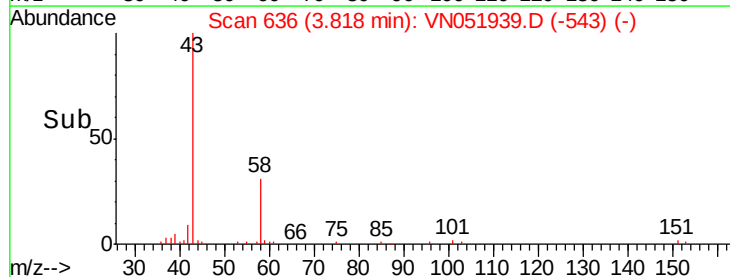
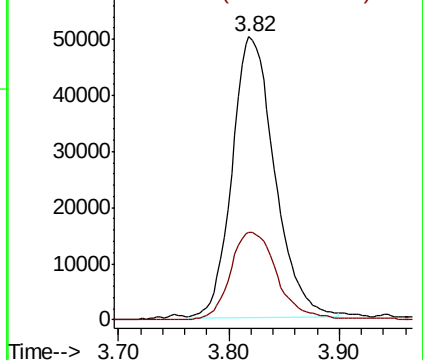
43 100

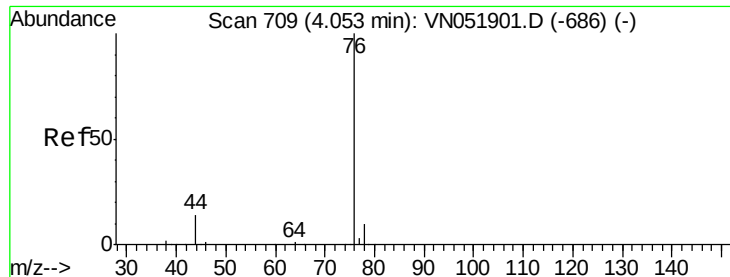
58 31.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

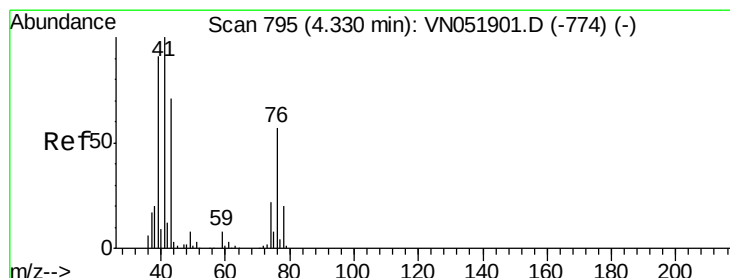
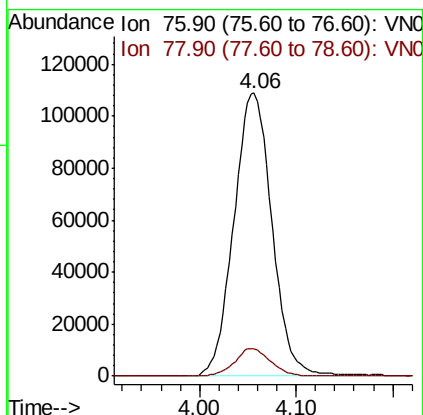
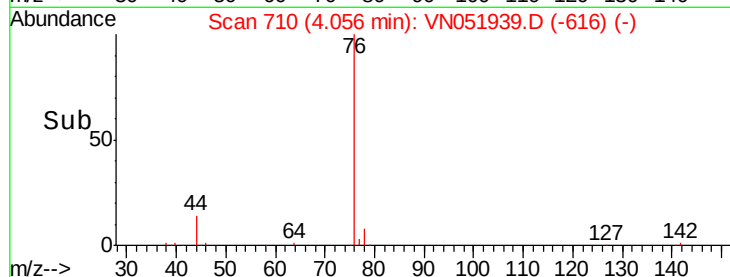
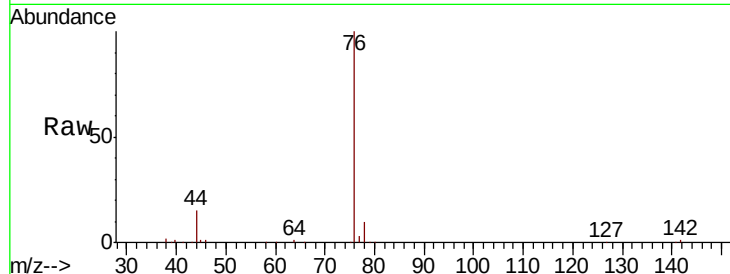




#17
Carbon Disulfide
Concen: 17.010 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

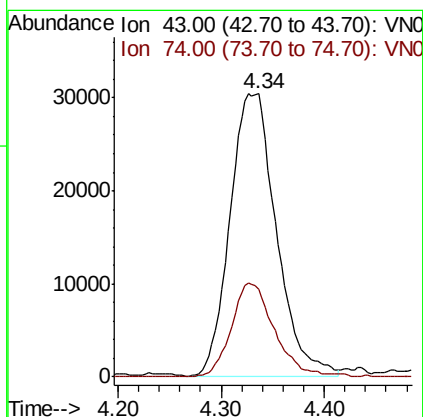
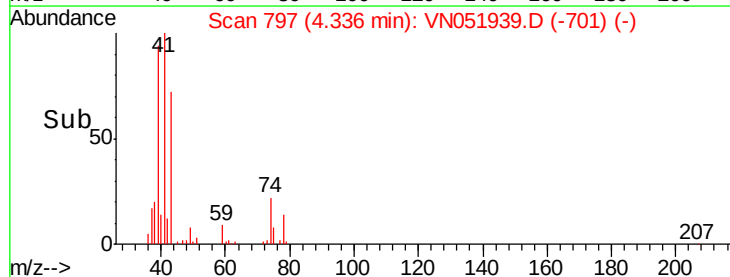
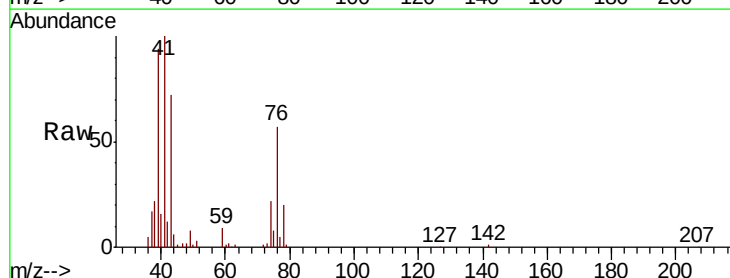
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

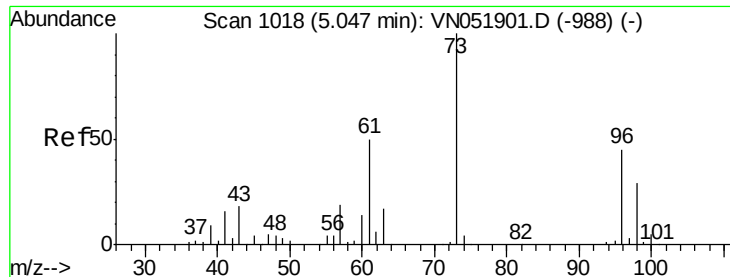
Tot Ion: 76 Resp: 297739
Ion Ratio Lower Upper
76 100
78 9.7 7.6 11.4



#18
Methyl Acetate
Concen: 18.308 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion: 43 Resp: 95594
Ion Ratio Lower Upper
43 100
74 30.3 24.9 37.3

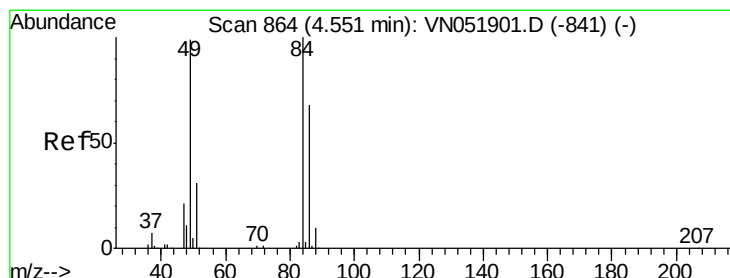
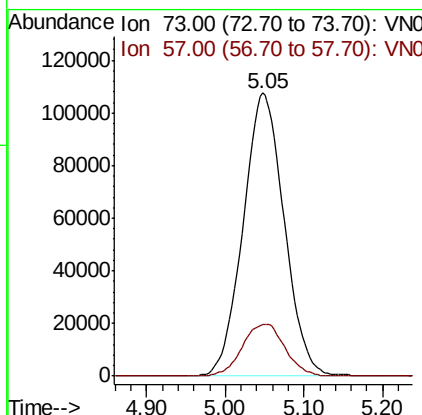
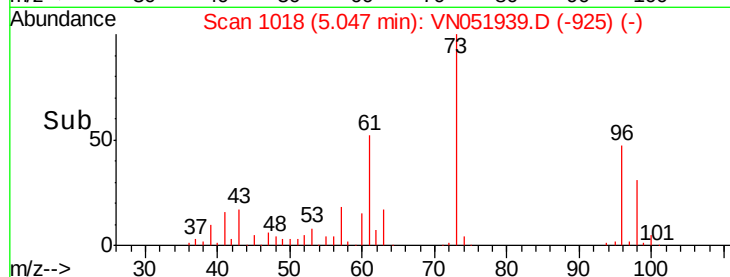
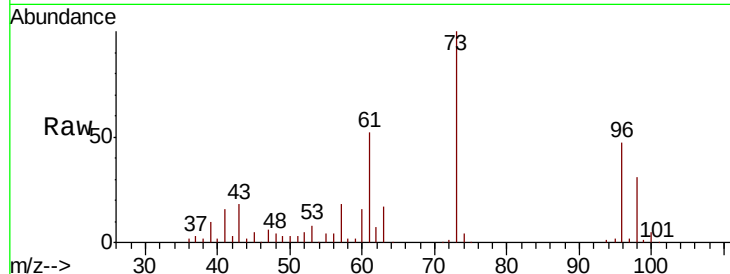




#19
Methvl tert-butyl Ether
Concen: 19.513 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

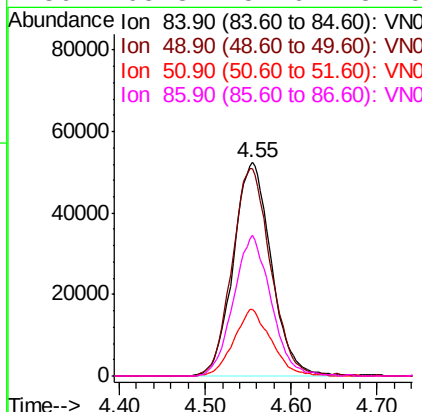
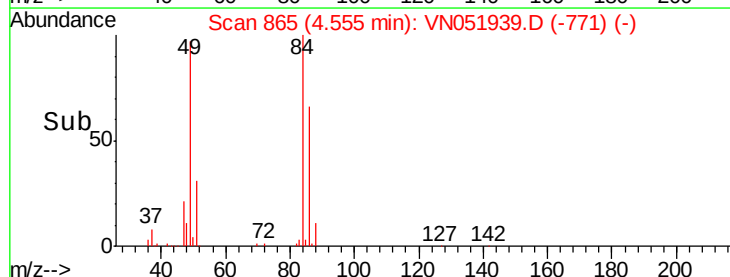
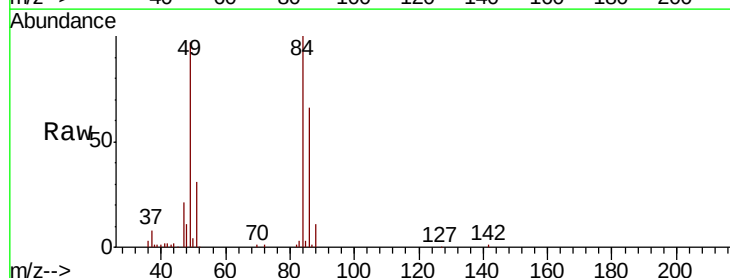
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

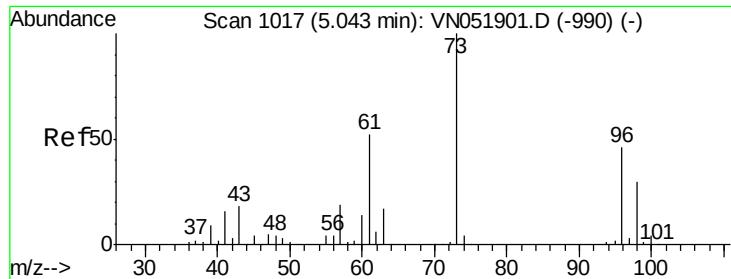
Tot Ion: 73 Resp: 394799
Ion Ratio Lower Upper
73 100
57 18.1 15.3 22.9



#20
Methylene Chloride
Concen: 19.811 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion: 84 Resp: 161271
Ion Ratio Lower Upper
84 100
49 97.2 79.0 118.4
51 31.5 24.9 37.3
86 65.8 54.6 82.0





#21

trans-1,2-Dichloroethene

Concen: 19.725 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampled :

VN1019WBSD01

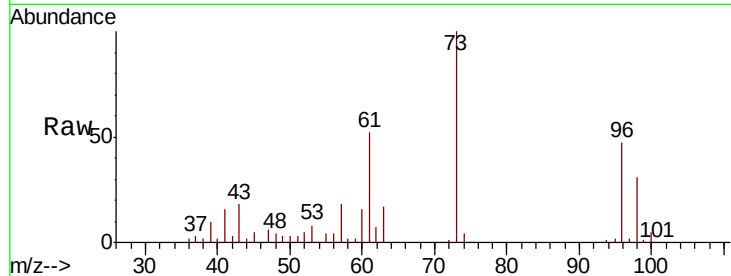
Tot Ion: 96 Resp: 159152

Ion Ratio Lower Upper

96 100

61 110.2 89.8 134.6

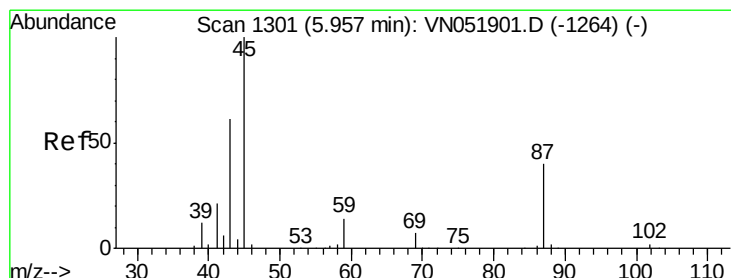
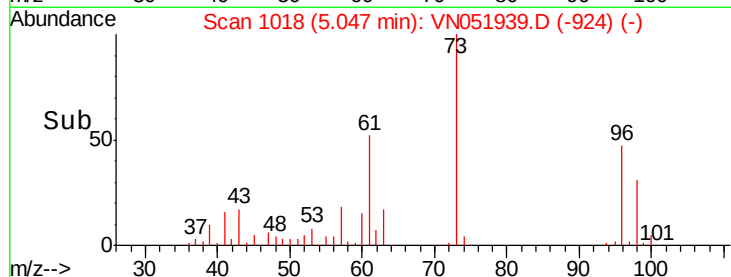
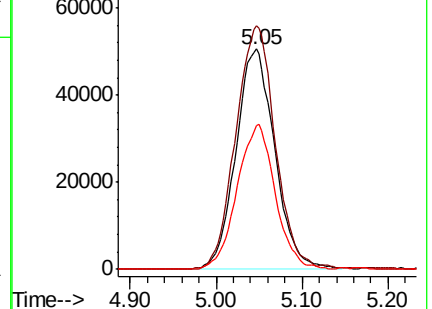
98 65.3 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.704 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.01 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Tgt Ion: 45 Resp: 366903

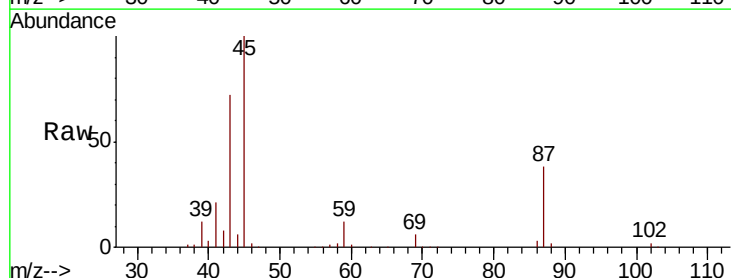
Ion Ratio Lower Upper

45 100

43 69.7 48.9 73.3

87 37.3 32.6 48.8

59 11.7 11.0 16.6

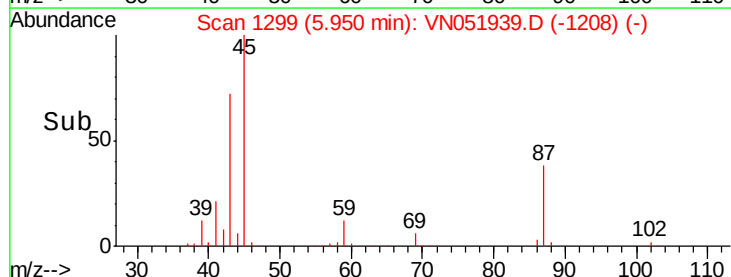
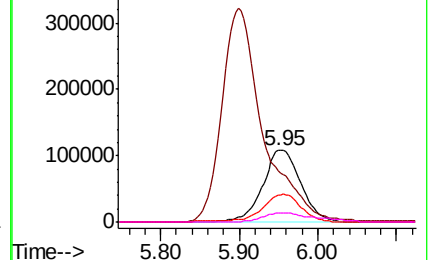


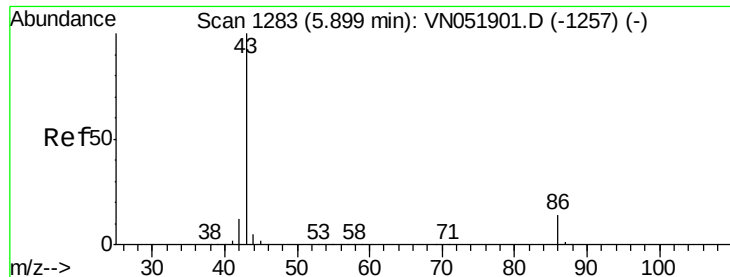
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 95.716 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

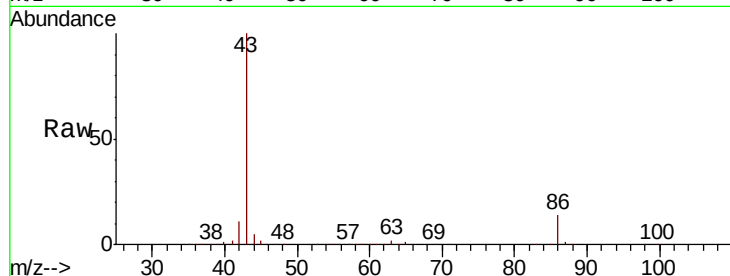
VN1019WBSD01

Tot Ion: 43 Resp: 1167781

Ion Ratio Lower Upper

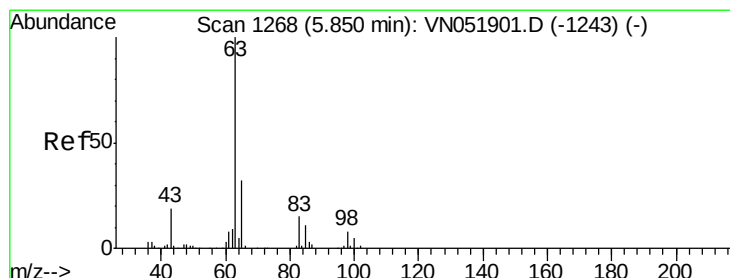
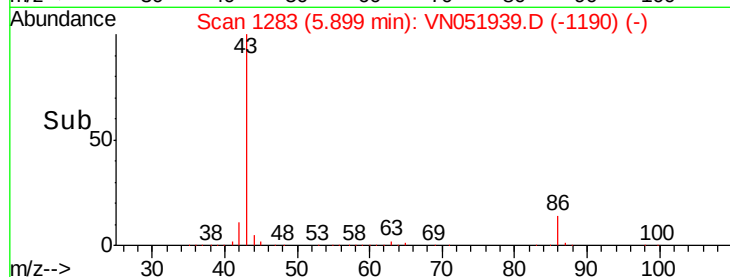
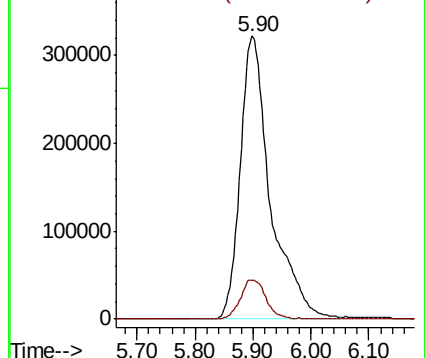
43 100

86 13.9 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.274 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

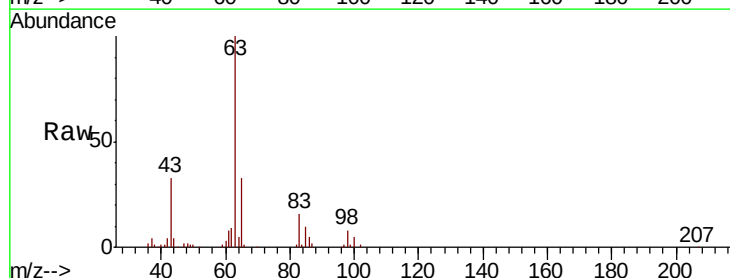
Tgt Ion: 63 Resp: 260184

Ion Ratio Lower Upper

63 100

98 8.1 4.0 12.0

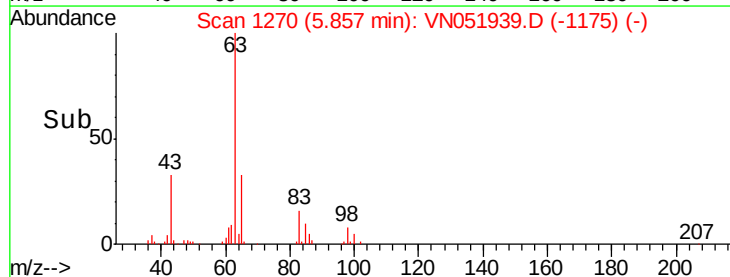
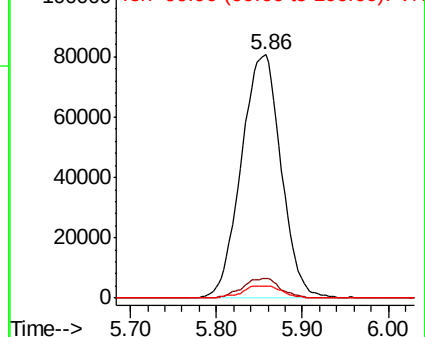
100 5.0 2.4 7.1

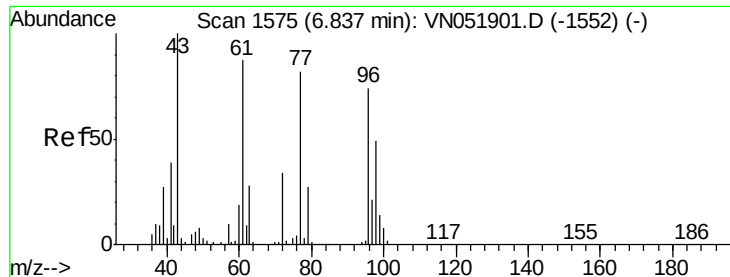


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

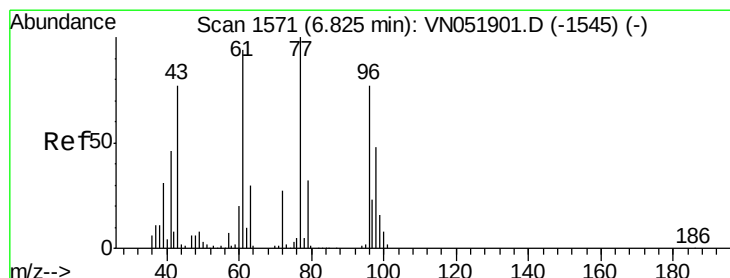
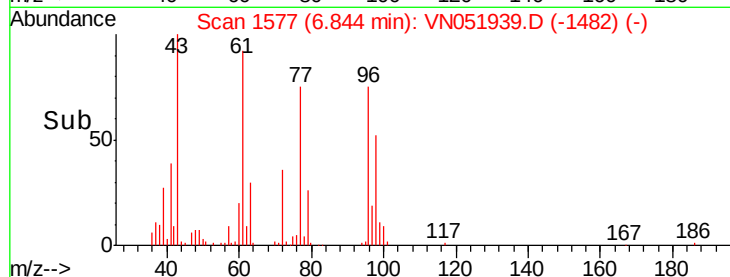
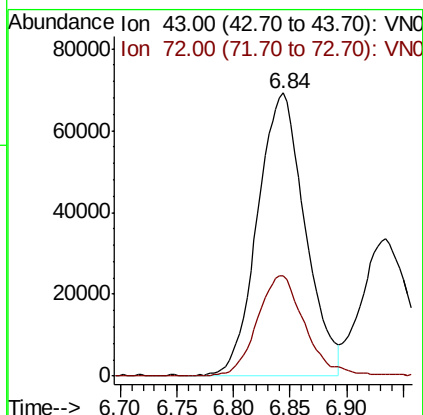
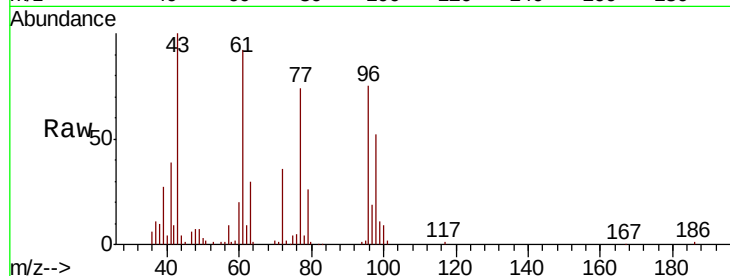




#25
2-Butanone
Concen: 88.240 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

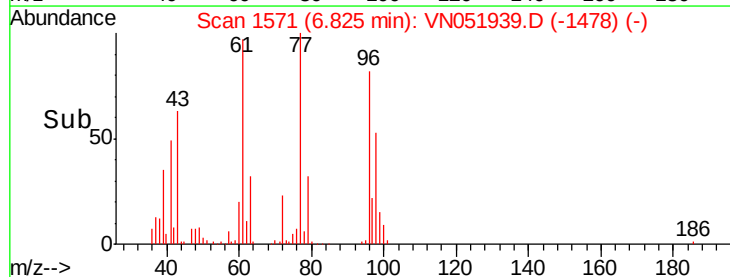
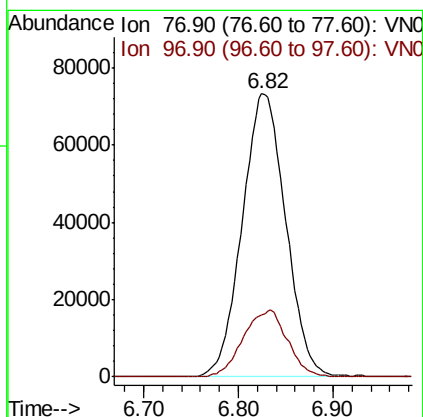
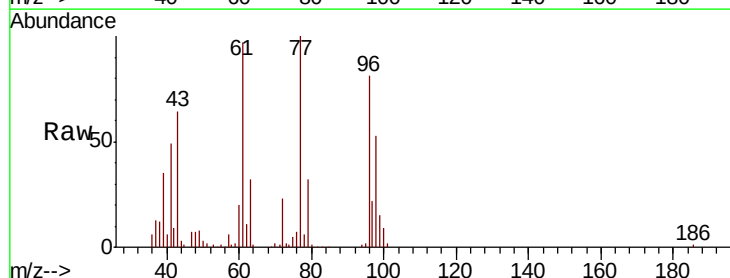
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

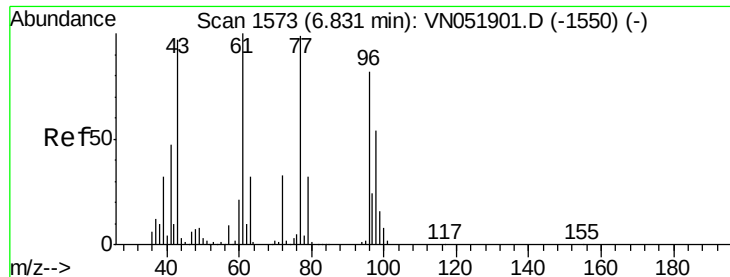
Tot Ion: 43 Resp: 201951
Ion Ratio Lower Upper
43 100
72 35.5 27.0 40.6



#26
2,2-Dichloropropane
Concen: 19.245 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion: 77 Resp: 233580
Ion Ratio Lower Upper
77 100
97 24.0 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 19.873 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

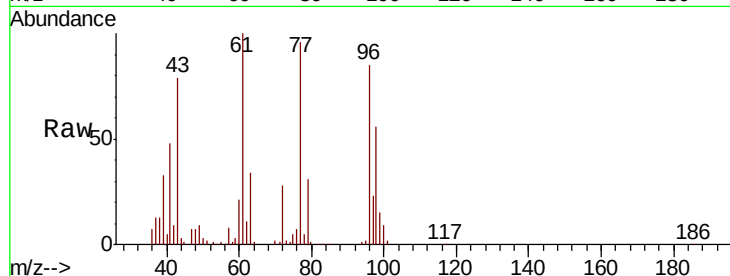
Tot Ion: 96 Resp: 186335

Ion Ratio Lower Upper

96 100

61 122.6 0.0 240.2

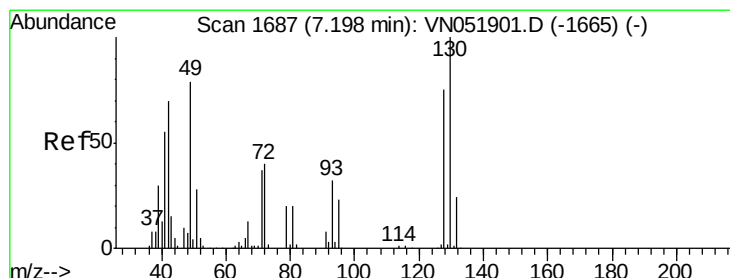
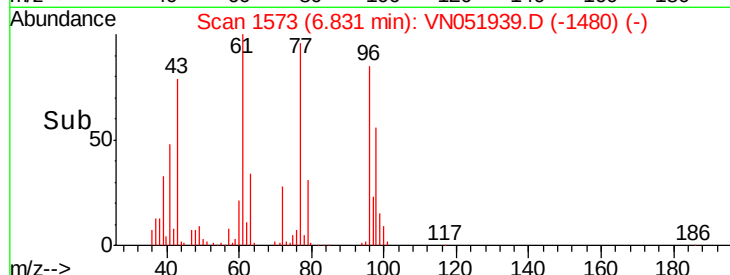
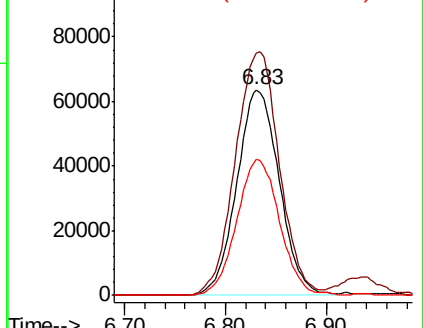
98 66.8 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN051901.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN051901.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN051901.D (-1550) (-)



#28

Bromochloromethane

Concen: 20.487 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

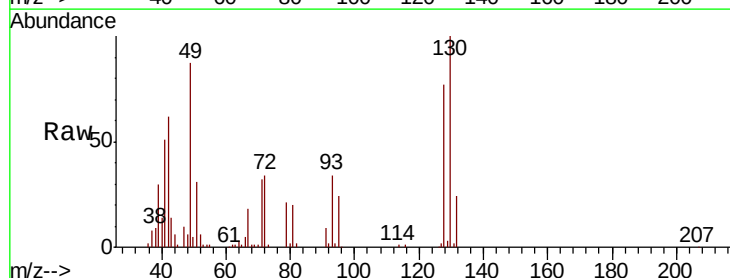
Tgt Ion: 49 Resp: 106765

Ion Ratio Lower Upper

49 100

129 2.9 0.0 6.0

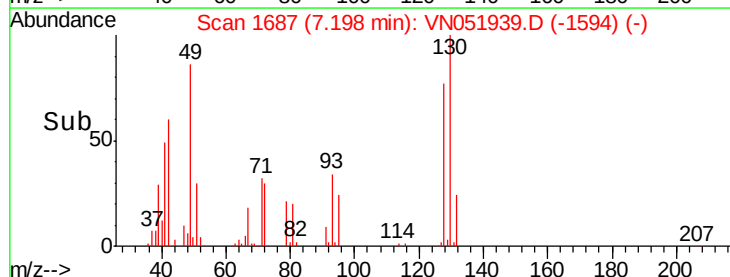
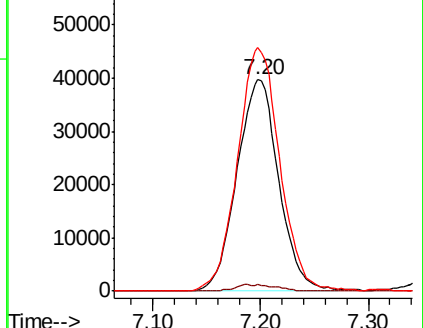
130 116.5 96.7 145.1

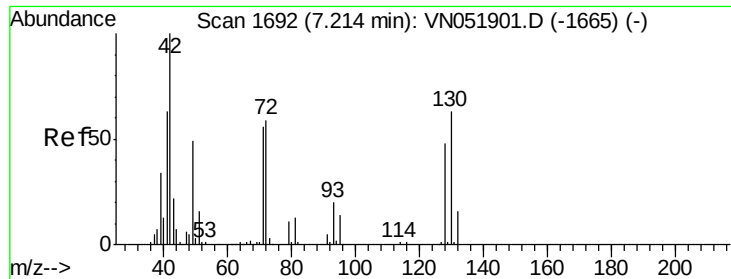


Abundance Ion 48.90 (48.60 to 49.60): VN051901.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051901.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN051901.D (-1665) (-)

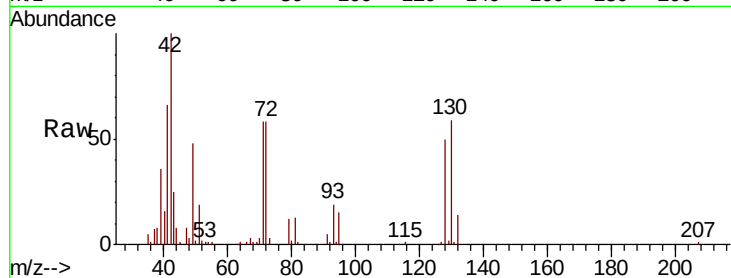




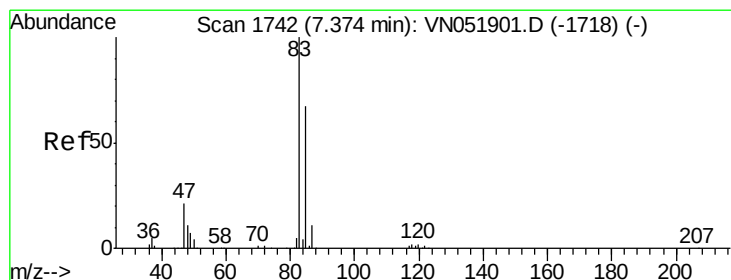
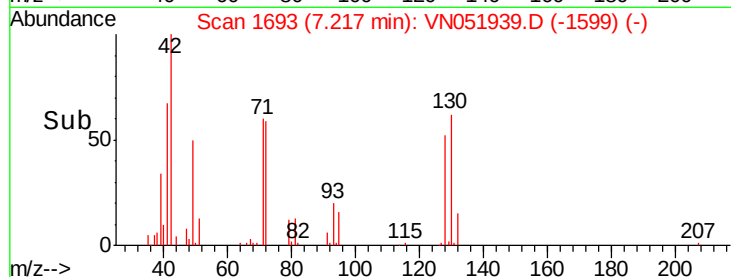
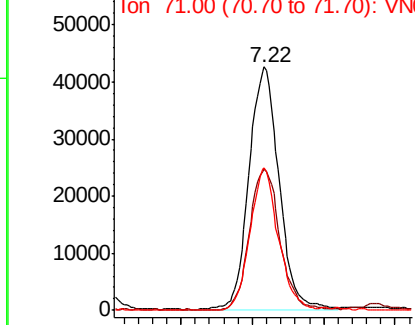
#29
Tetrahydrofuran
Concen: 90.207 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Tot Ion: 42 Resp: 126099
Ion Ratio Lower Upper
42 100
72 58.4 47.7 71.5
71 54.5 45.4 68.0

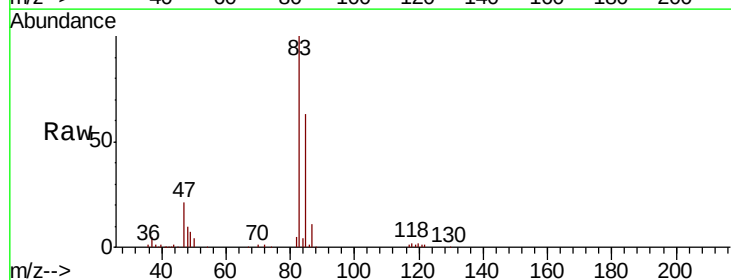


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

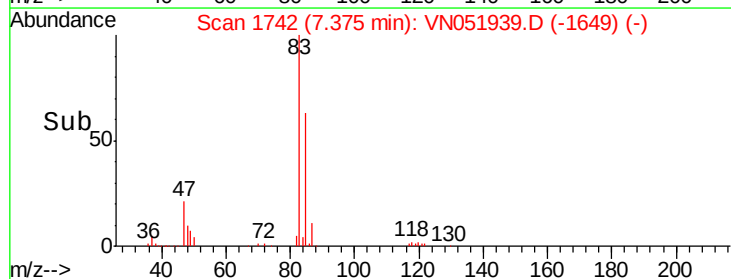
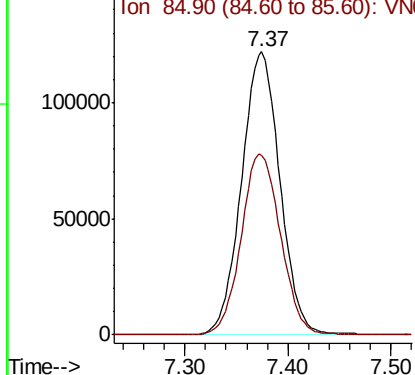


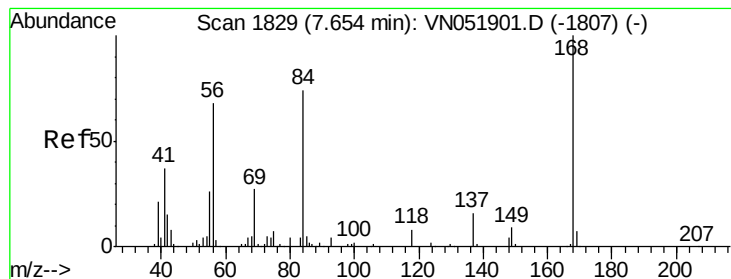
#30
Chloroform
Concen: 20.549 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion: 83 Resp: 315479
Ion Ratio Lower Upper
83 100
85 63.5 53.4 80.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.068 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampled :

VN1019WBSD01

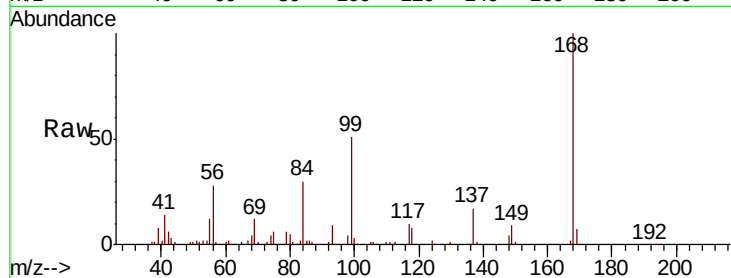
Tot Ion: 56 Resp: 216045

Ion Ratio Lower Upper

56 100

69 42.2 31.2 46.8

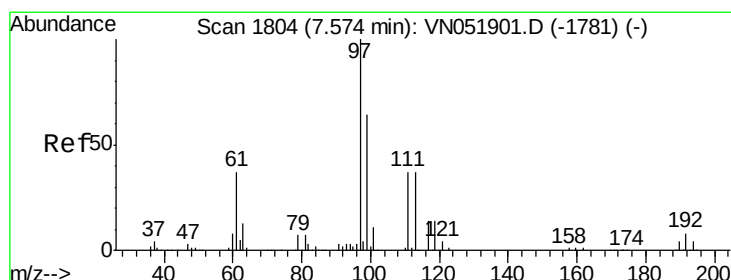
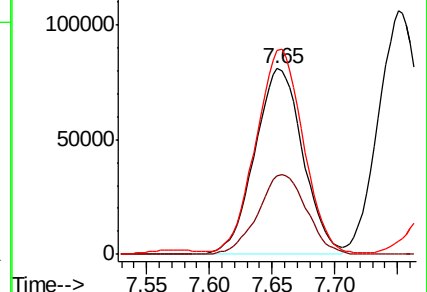
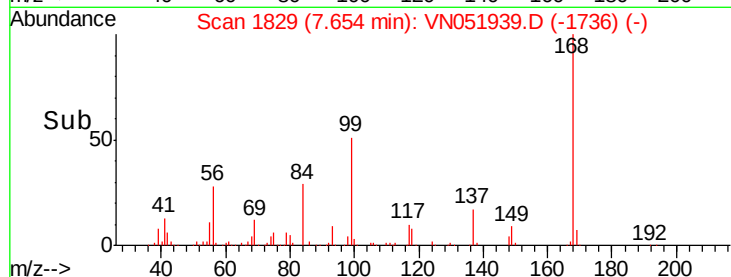
84 107.9 86.6 130.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.162 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

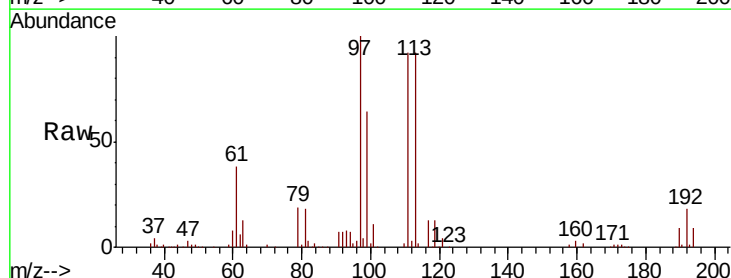
Tgt Ion: 97 Resp: 288722

Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

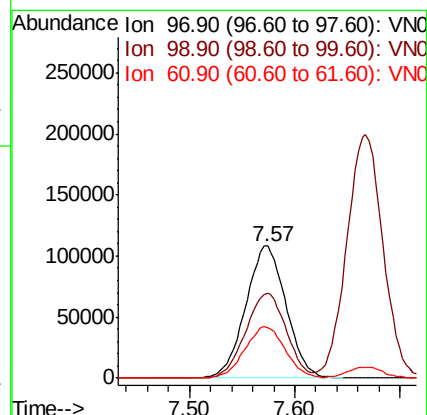
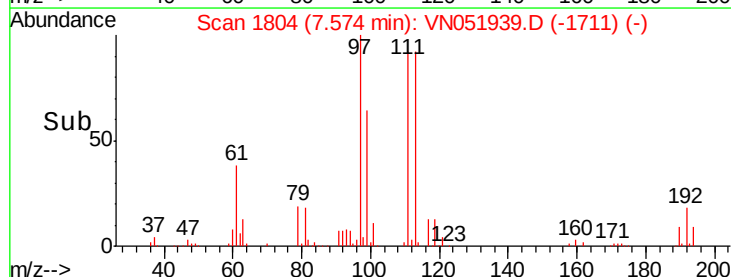
61 38.7 29.8 44.6

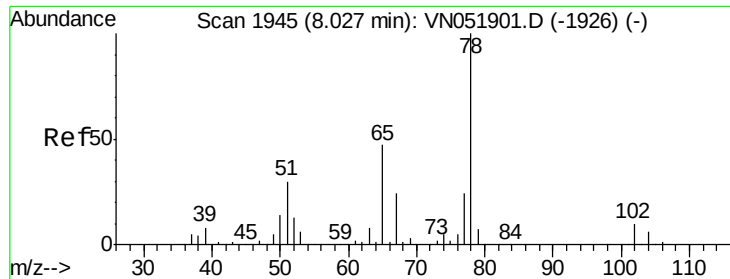


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

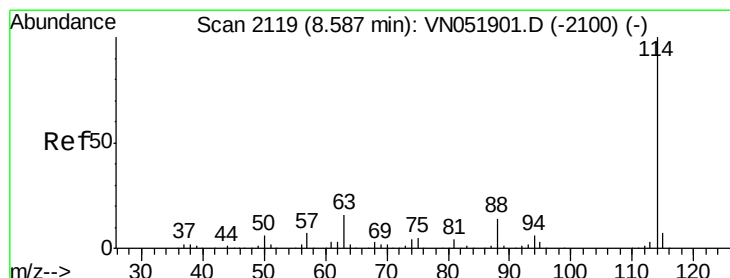
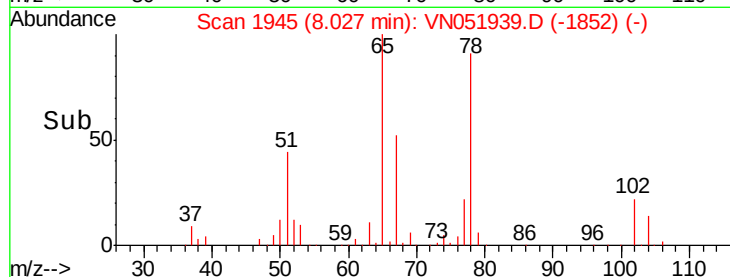
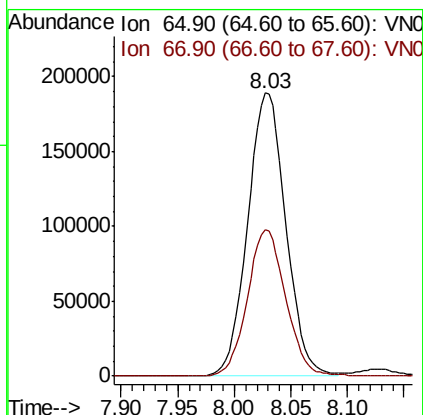
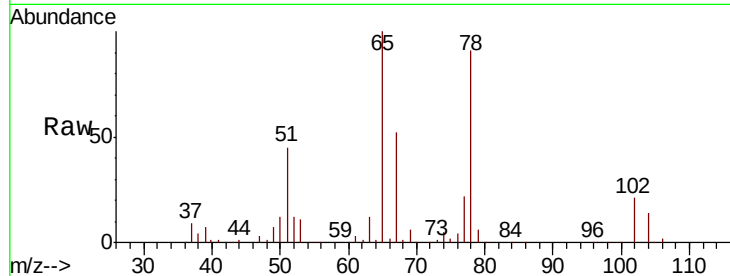




#33
 1,2-Dichloroethane-d4
 Concen: 20.162 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

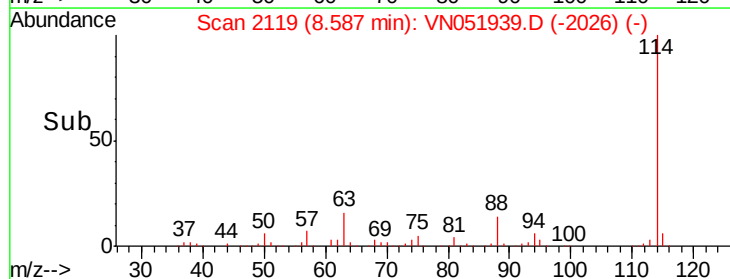
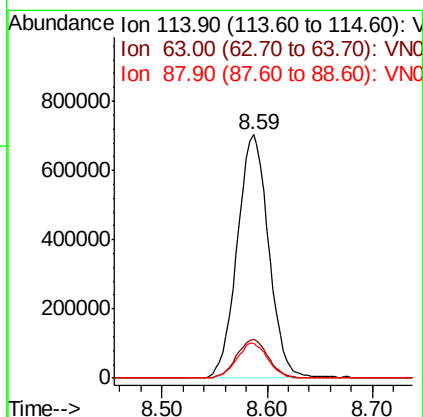
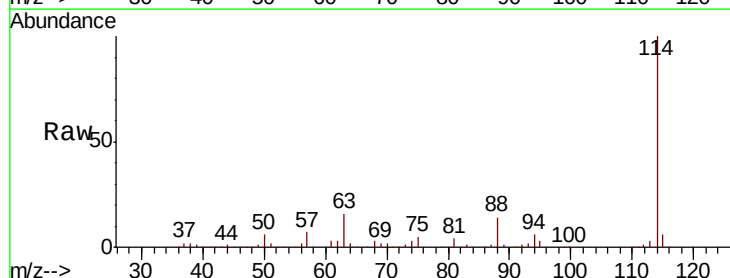
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

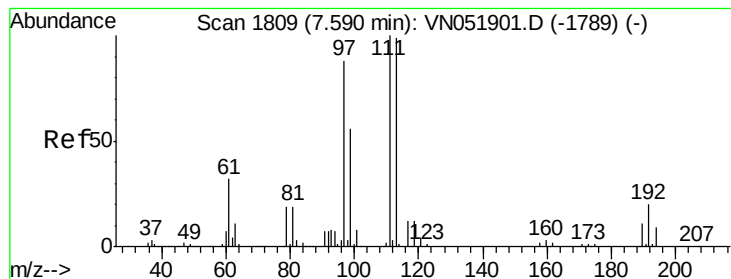
Tot Ion: 65 Resp: 443424
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion: 114 Resp: 1459708
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.8
 88 14.2 0.0 28.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

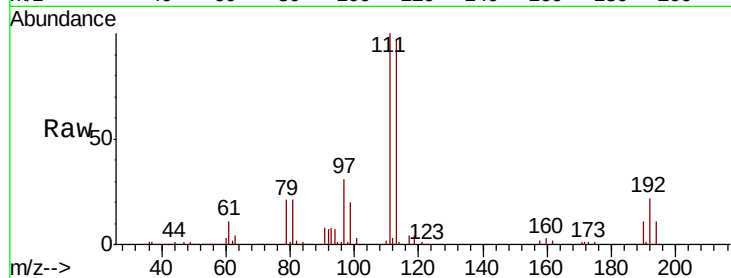
Tot Ion:113 Resp: 449194

Ion Ratio Lower Upper

113 100

111 100.9 82.6 123.8

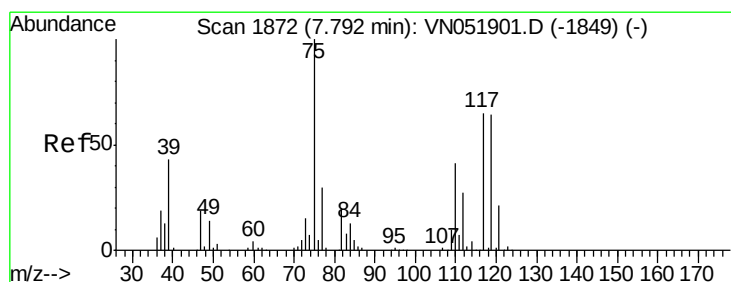
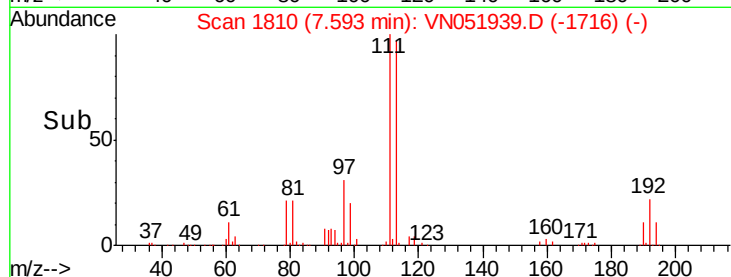
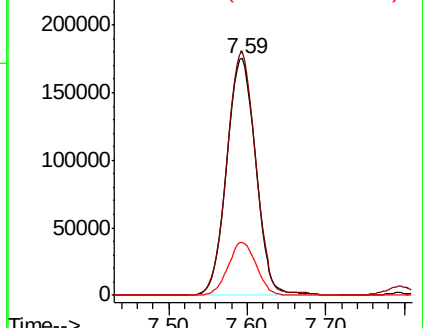
192 21.6 17.3 25.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.851 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

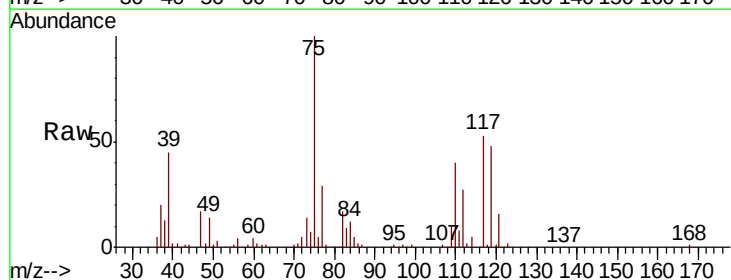
Tgt Ion: 75 Resp: 213571

Ion Ratio Lower Upper

75 100

110 40.5 21.0 63.0

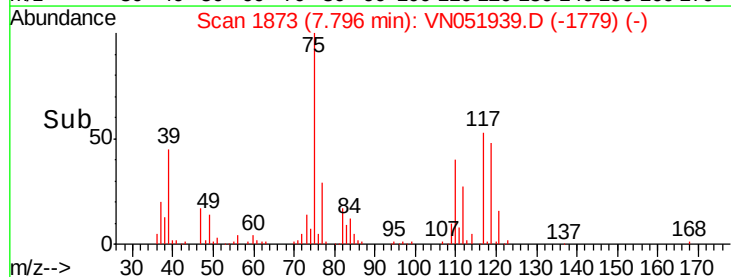
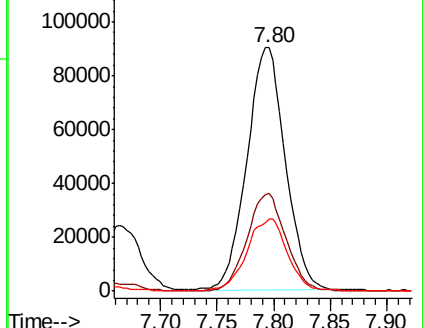
77 31.7 24.9 37.3

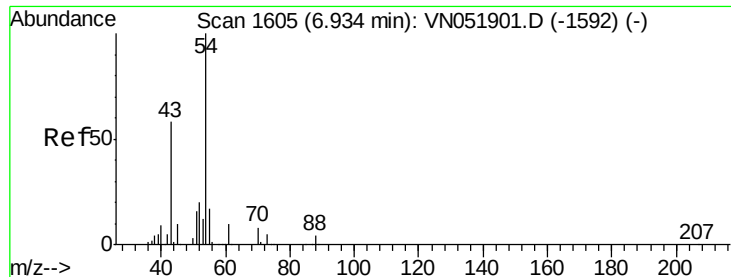


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

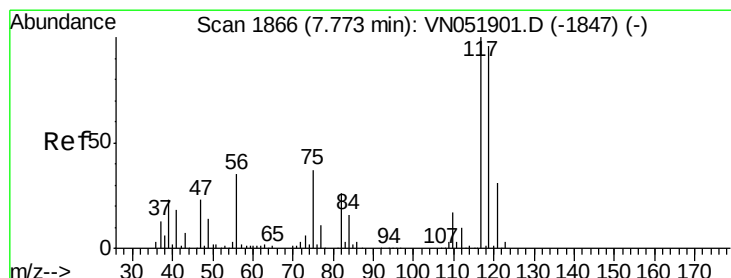
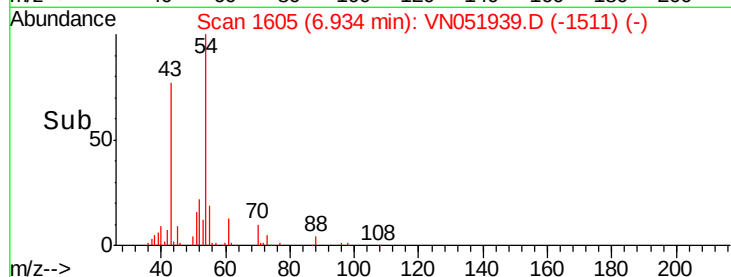
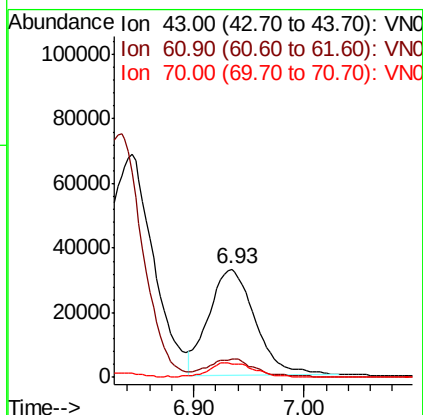
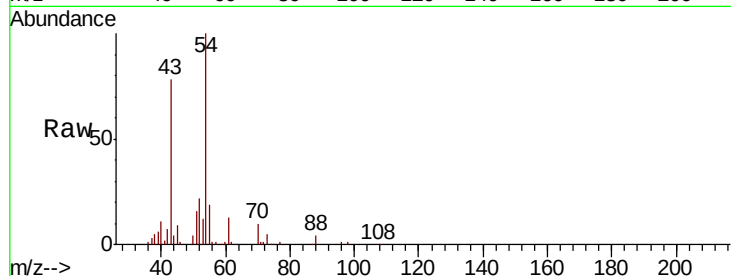




#37
Ethyl Acetate
Concen: 17.711 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

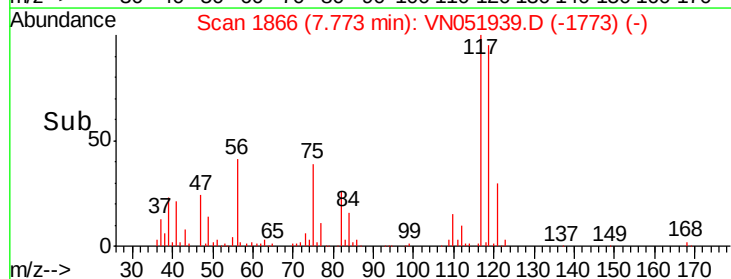
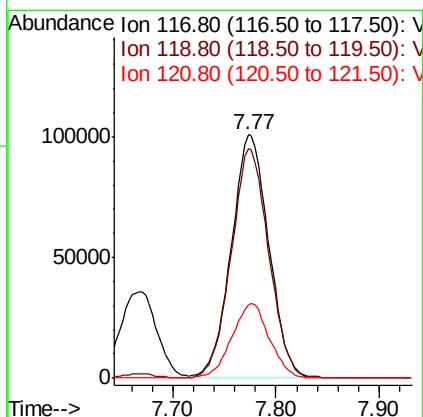
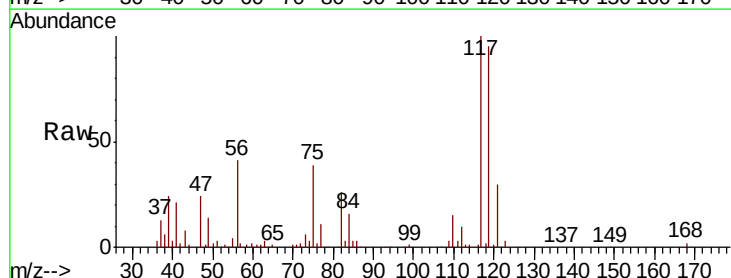
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

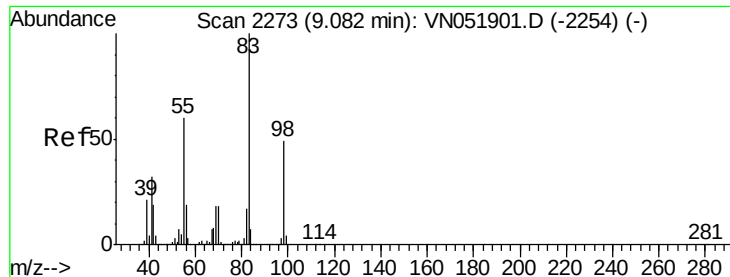
Tot Ion: 43 Resp: 96743
Ion Ratio Lower Upper
43 100
61 16.5 13.0 19.6
70 13.1 10.4 15.6



#38
Carbon Tetrachloride
Concen: 19.045 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion: 117 Resp: 254093
Ion Ratio Lower Upper
117 100
119 94.6 77.0 115.6
121 30.1 25.1 37.7

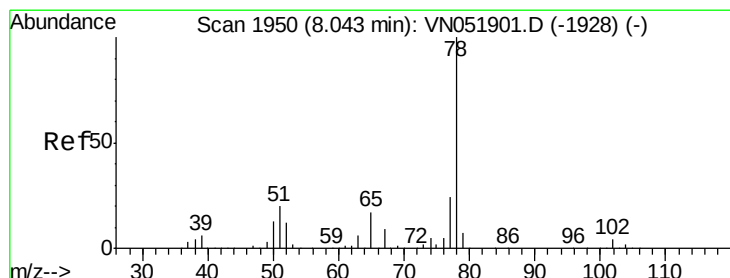
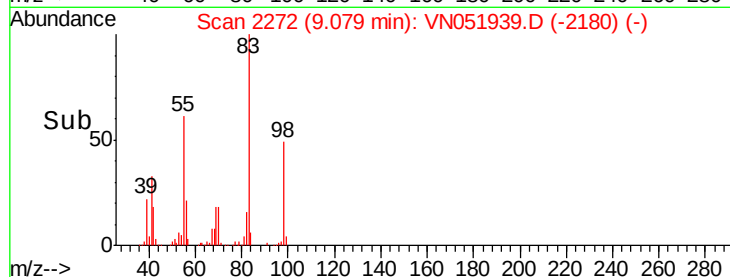
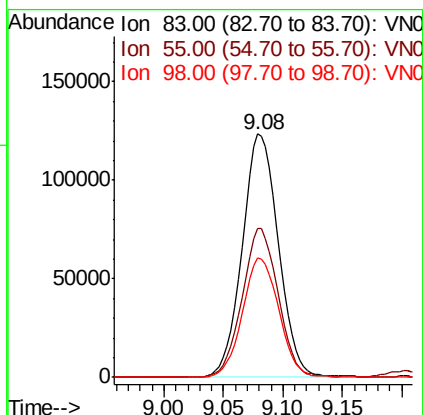
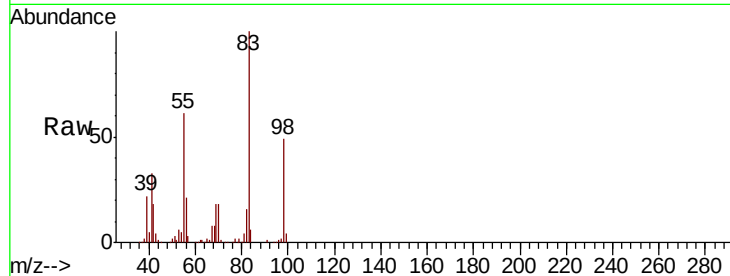




#39
Methylvlcyclohexane
Concen: 18.567 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

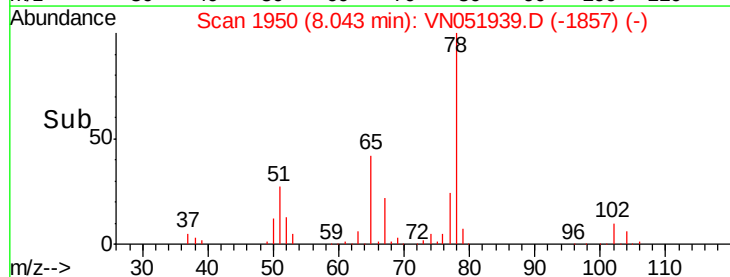
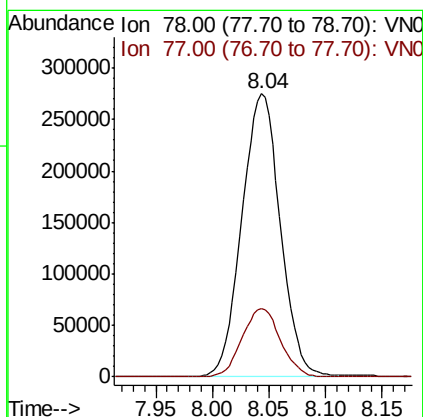
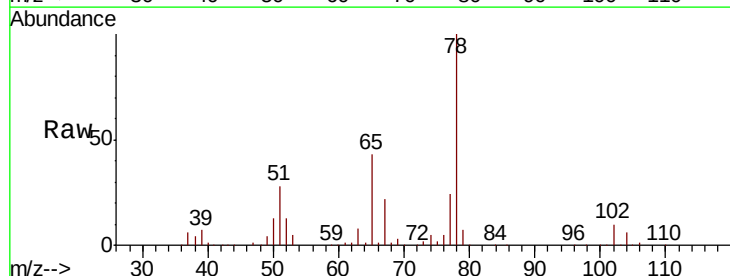
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

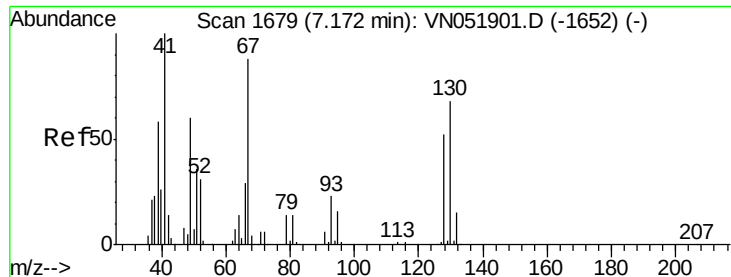
Tot Ion: 83 Resp: 260486
Ion Ratio Lower Upper
83 100
55 61.1 47.8 71.8
98 48.9 39.0 58.4



#40
Benzene
Concen: 19.651 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion: 78 Resp: 650373
Ion Ratio Lower Upper
78 100
77 24.2 18.9 28.3

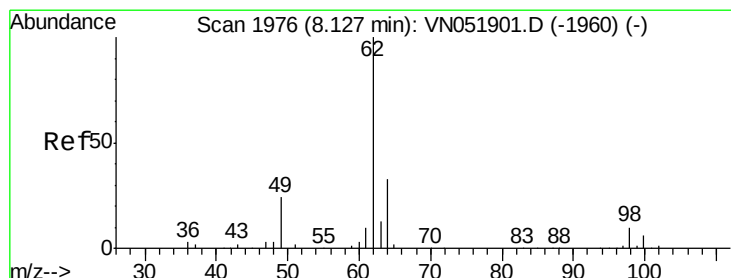
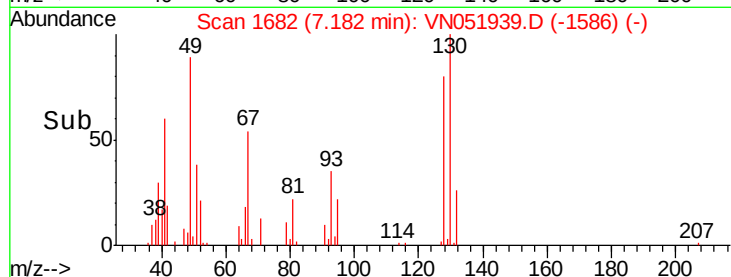
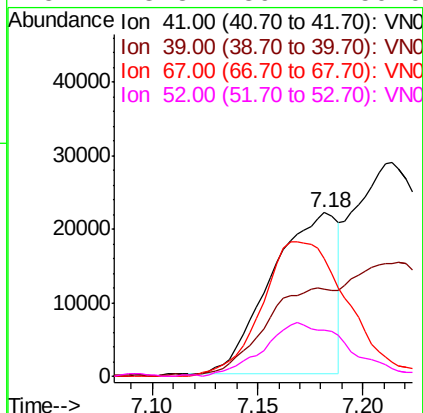
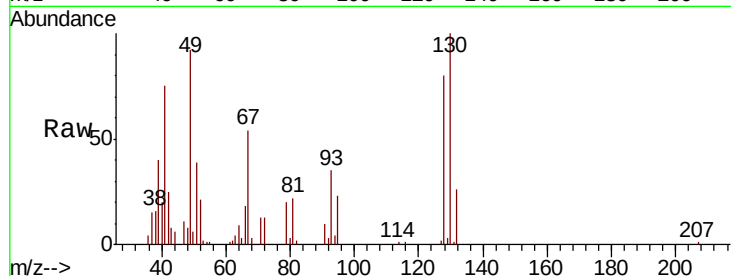




#41
Methacrylonitrile
Concen: 18.604 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

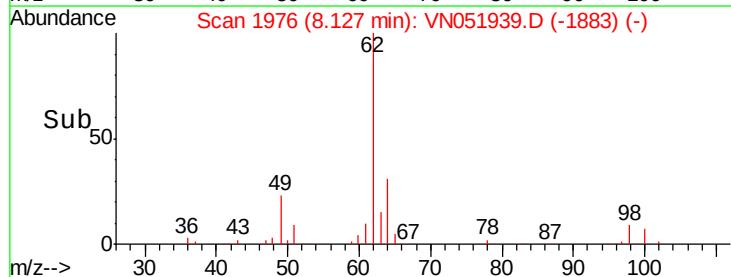
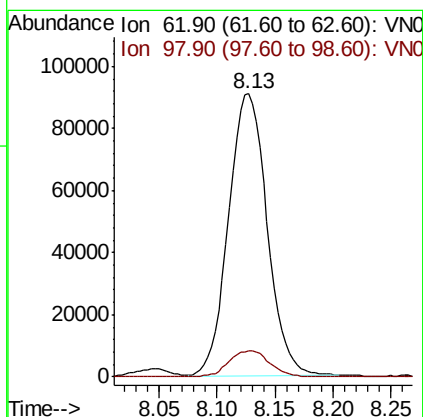
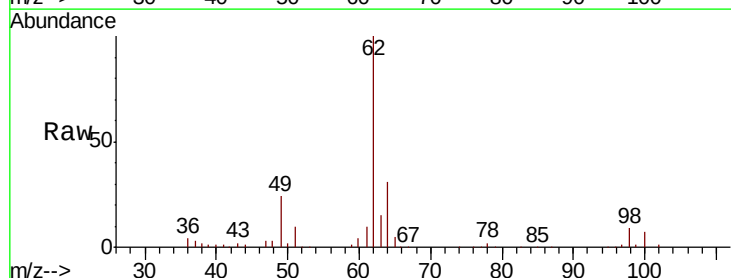
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

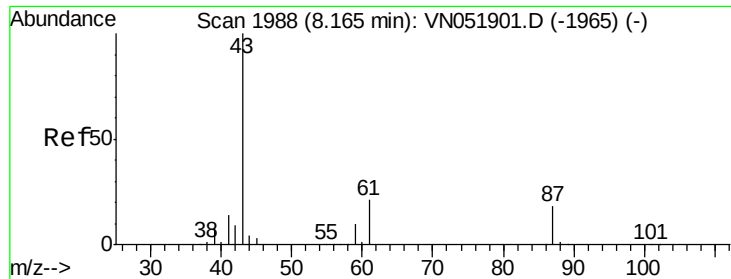
Tot Ion: 41 Resp: 47876
Ion Ratio Lower Upper
41 100
39 52.9 56.1 84.1#
67 108.8 106.5 159.7
52 43.8 39.4 59.0



#42
1,2-Dichloroethane
Concen: 19.809 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion: 62 Resp: 210039
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.6





#43

Isopropyl Acetate

Concen: 17.048 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

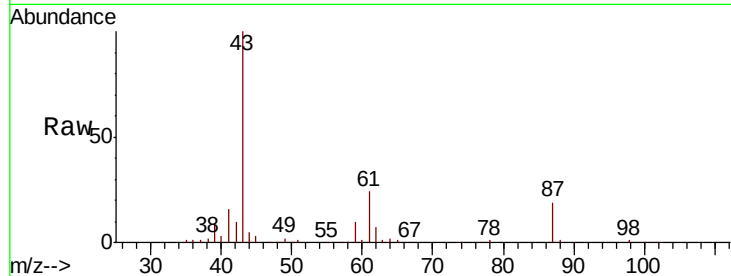
Tot Ion: 43 Resp: 184705

Ion Ratio Lower Upper

43 100

61 33.3 24.9 37.3

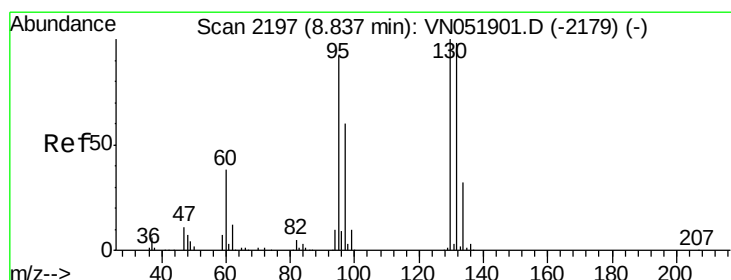
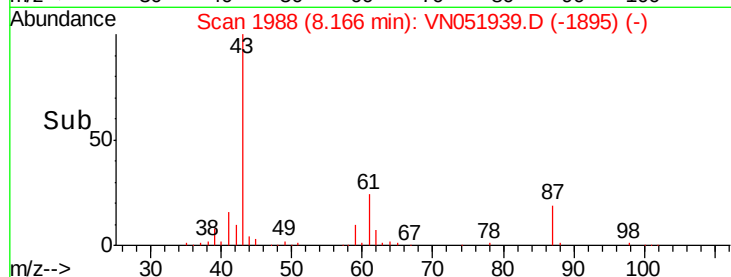
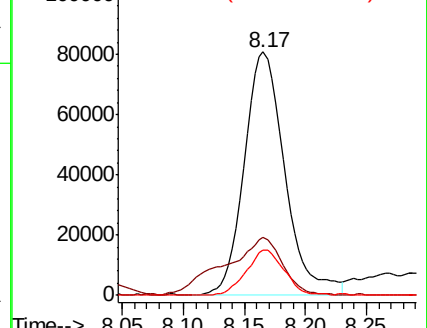
87 17.5 14.6 22.0



Abundance Ion 43.00 (42.70 to 43.70): VN051901.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051901.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051901.D (-1965) (-)



#44

Trichloroethene

Concen: 19.503 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051939.D

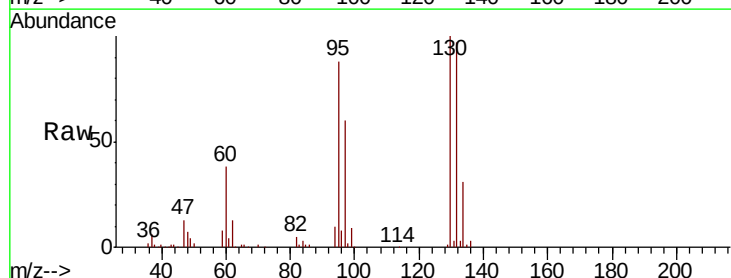
Acq: 19 Oct 2018 11:20

Tgt Ion:130 Resp: 202562

Ion Ratio Lower Upper

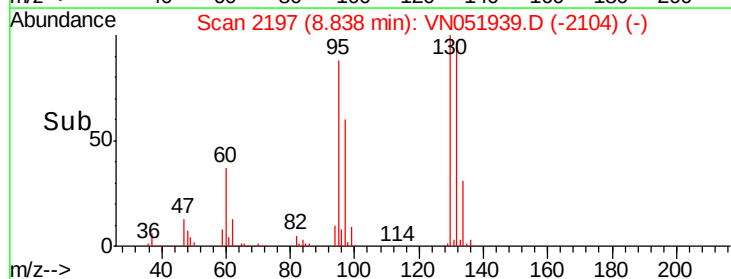
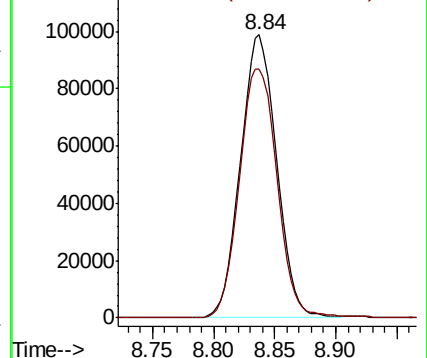
130 100

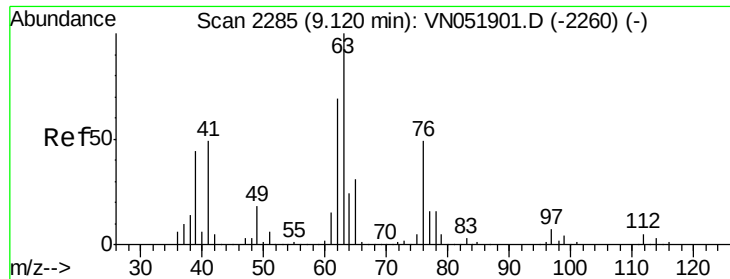
95 88.0 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): VN051901.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051901.D (-2179) (-)

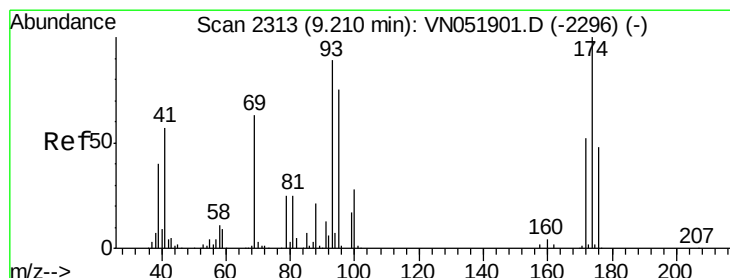
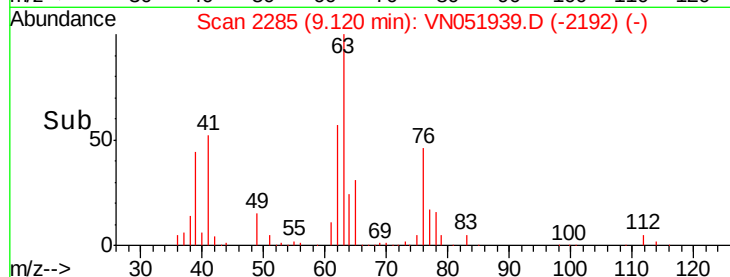
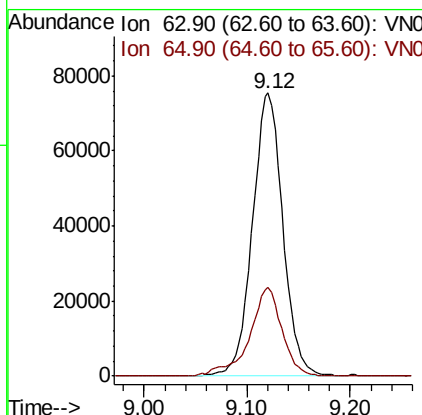
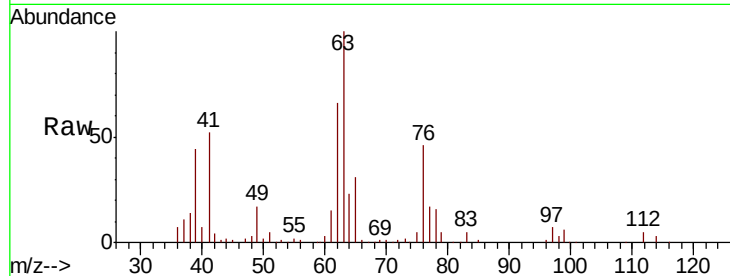




#45
 1,2-Dichloropropane
 Concen: 20.152 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

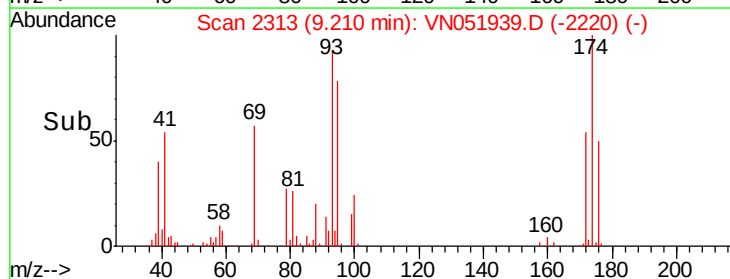
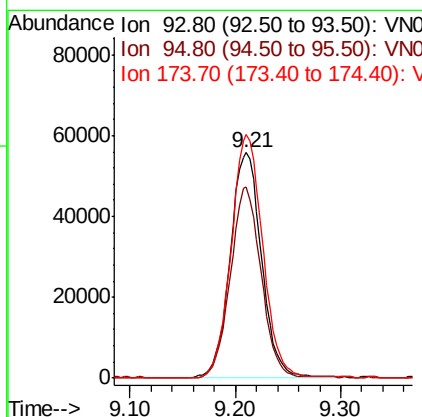
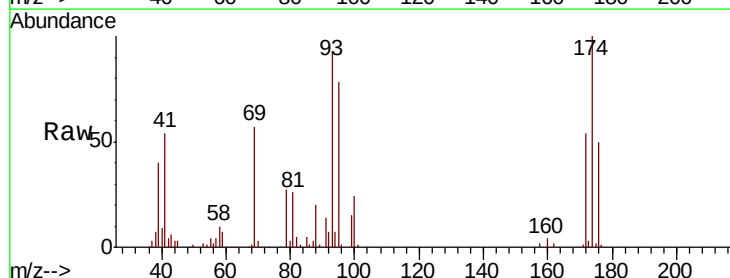
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

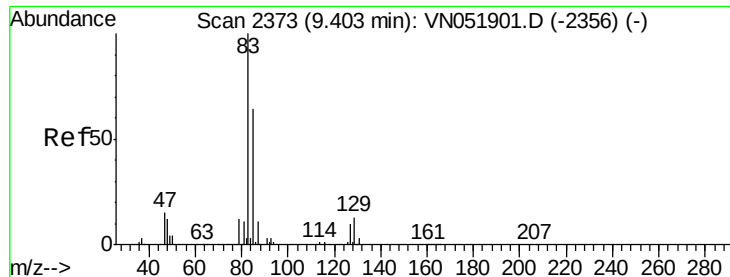
Tot Ion: 63 Resp: 154228
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.9 37.3



#46
 Dibromomethane
 Concen: 19.793 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion: 93 Resp: 115463
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.8 101.6
 174 108.3 91.9 137.9





#47

Bromodichloromethane

Concen: 19.804 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

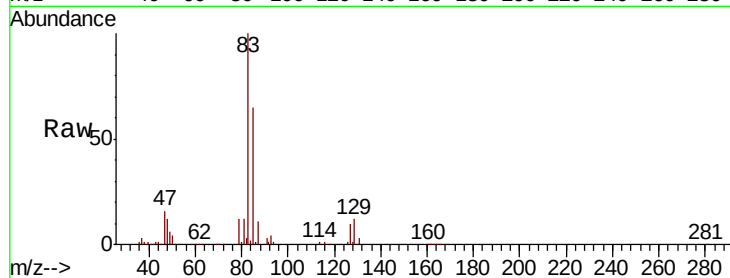
Tot Ion: 83 Resp: 231545

Ion Ratio Lower Upper

83 100

85 64.7 51.4 77.2

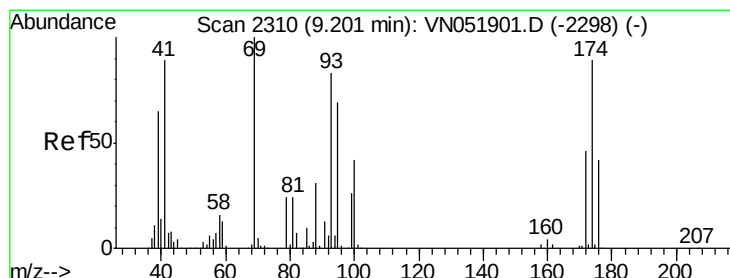
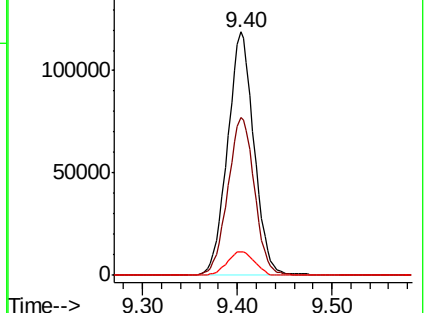
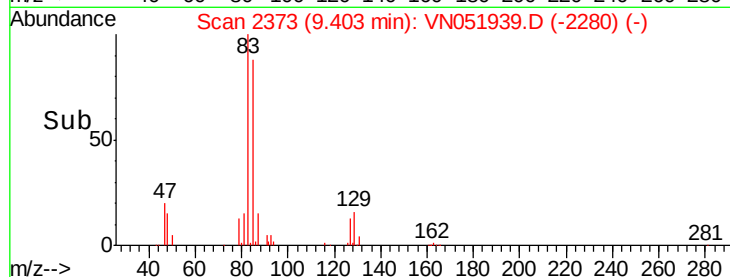
127 9.7 7.9 11.9



Abundance Ion 82.90 (82.60 to 83.60): VN051939.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051939.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051939.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.561 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

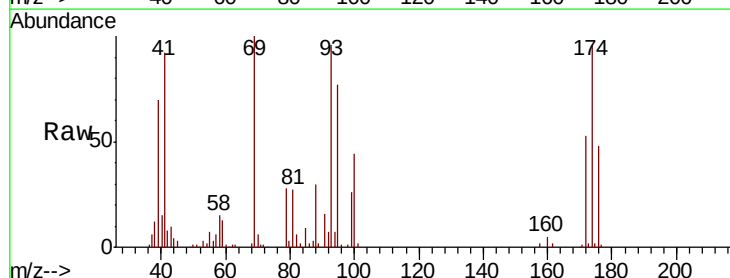
Tgt Ion: 41 Resp: 84889

Ion Ratio Lower Upper

41 100

69 109.4 90.2 135.2

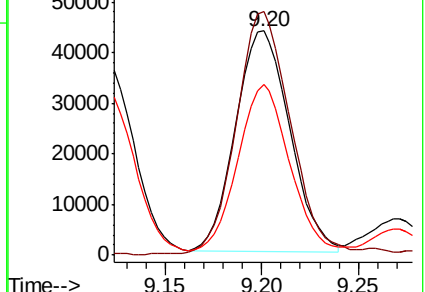
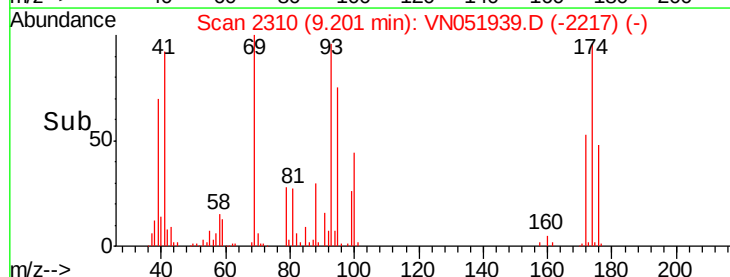
39 73.9 59.7 89.5

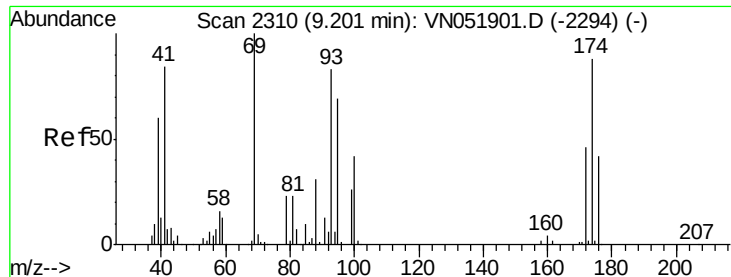


Abundance Ion 41.00 (40.70 to 41.70): VN051939.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051939.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051939.D (-2217) (-)





#49

1,4-Dioxane

Concen: 351.740 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

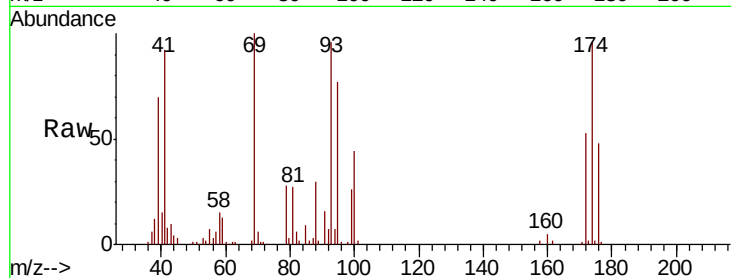
Tot Ion: 88 Resp: 30555

Ion Ratio Lower Upper

88 100

43 24.8 19.7 29.5

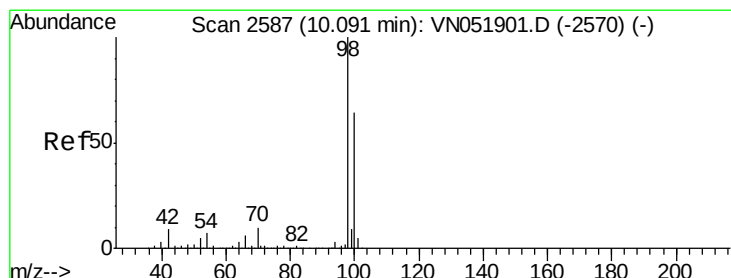
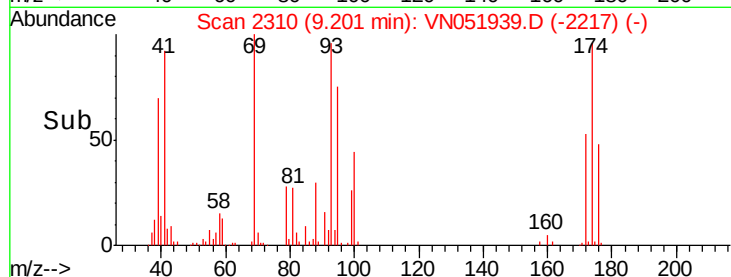
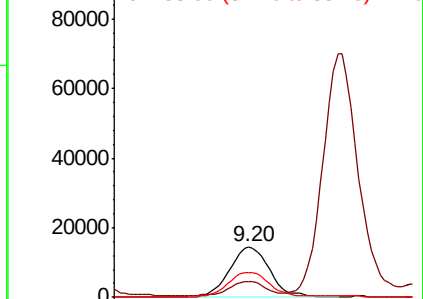
58 52.3 42.6 64.0



Abundance Ion 88.00 (87.70 to 88.70): VN051901.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN051901.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN051901.D (-2294) (-)



#50

Toluene-d8

Concen: 351.740 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051939.D

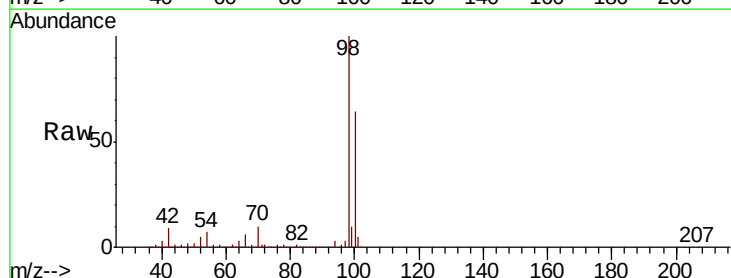
Acq: 19 Oct 2018 11:20

Tgt Ion: 98 Resp: 1598221

Ion Ratio Lower Upper

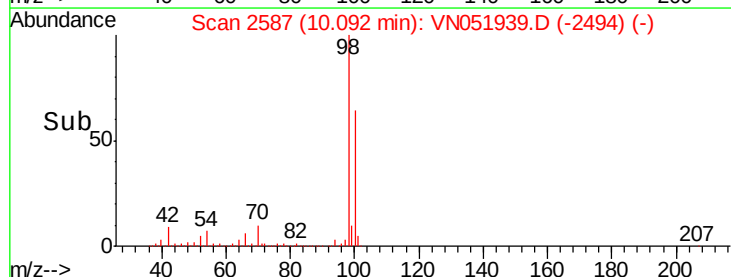
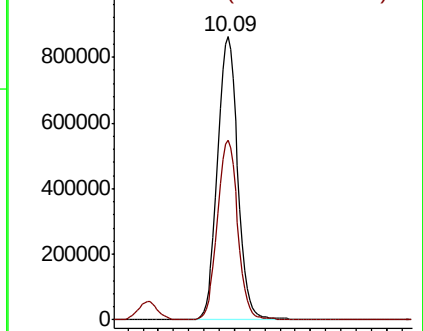
98 100

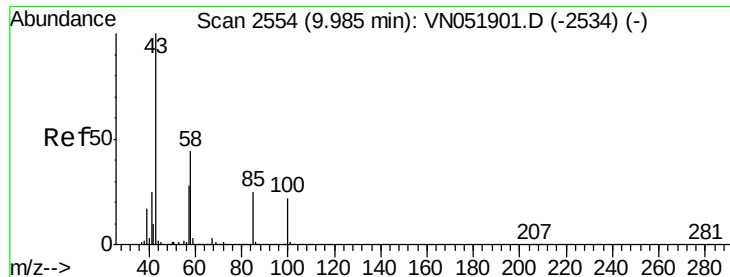
100 63.2 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VN051901.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051901.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 90.651 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

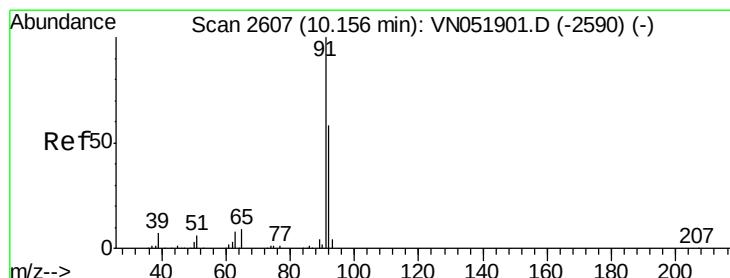
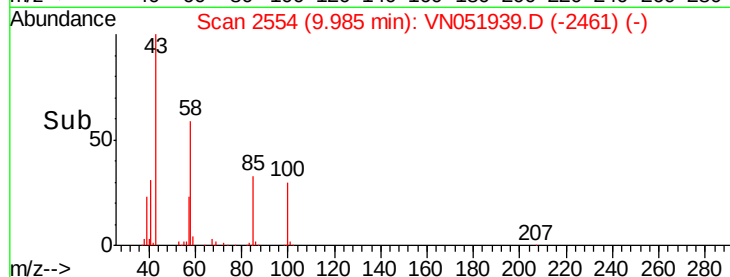
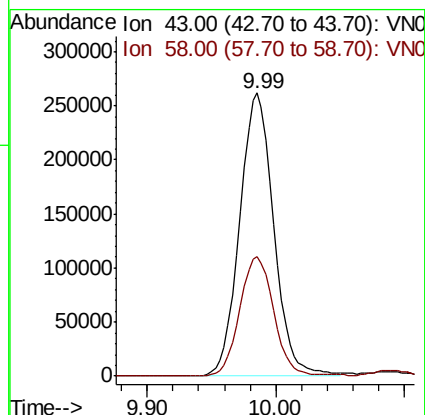
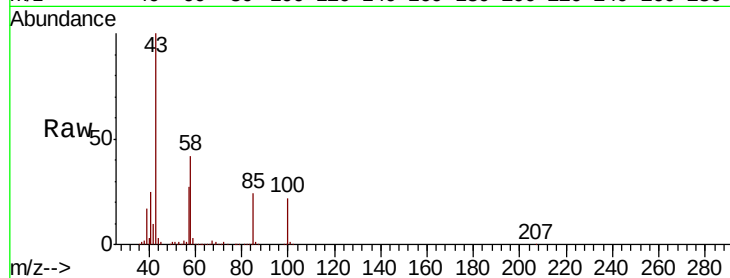
VN1019WBSD01

Tot Ion: 43 Resp: 478103

Ion Ratio Lower Upper

43 100

58 42.5 34.6 52.0



#52

Toluene

Concen: 19.452 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051939.D

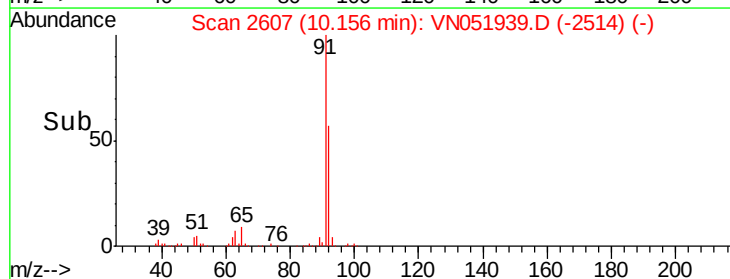
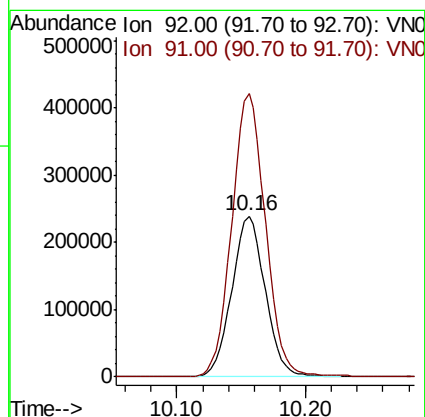
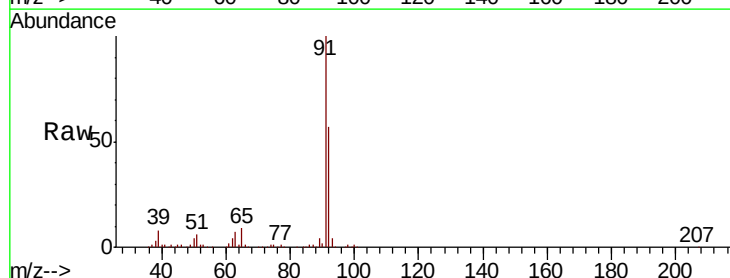
Acq: 19 Oct 2018 11:20

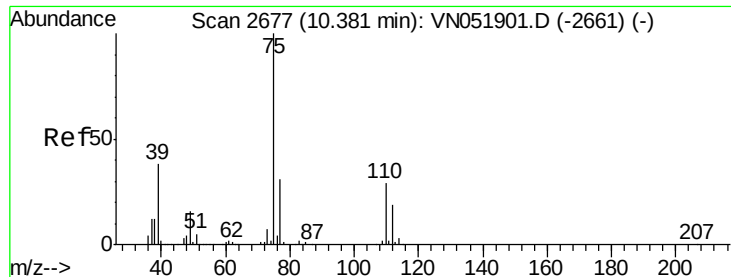
Tgt Ion: 92 Resp: 430673

Ion Ratio Lower Upper

92 100

91 177.9 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.040 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

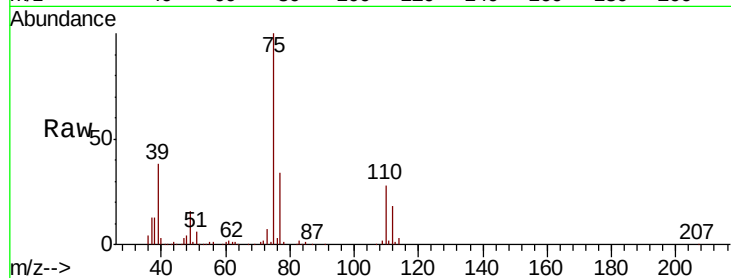
VN1019WBSD01

Tot Ion: 75 Resp: 199879

Ion Ratio Lower Upper

75 100

77 33.3 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

120000

100000

80000

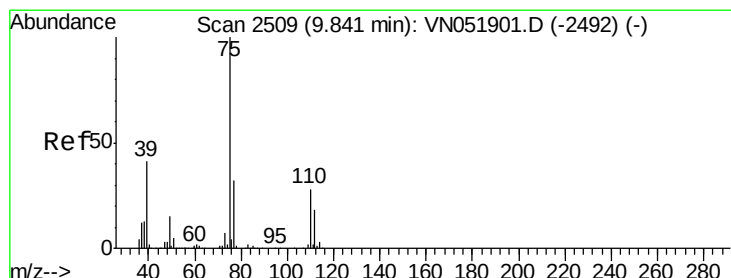
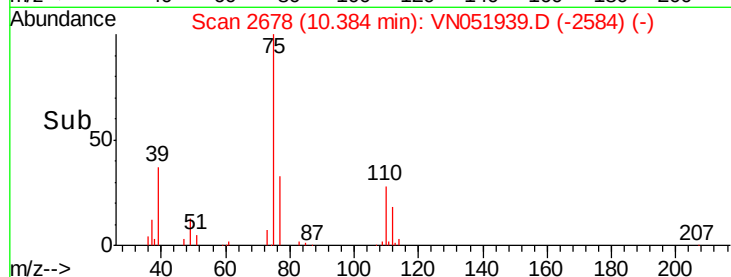
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.379 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

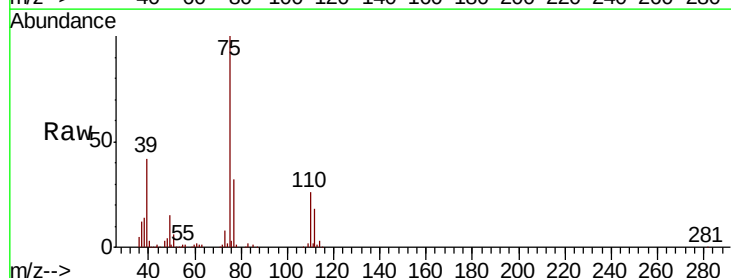
Tgt Ion: 75 Resp: 239425

Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

39 41.8 32.8 49.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

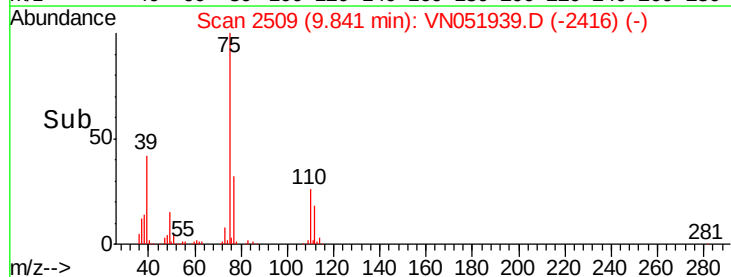
150000

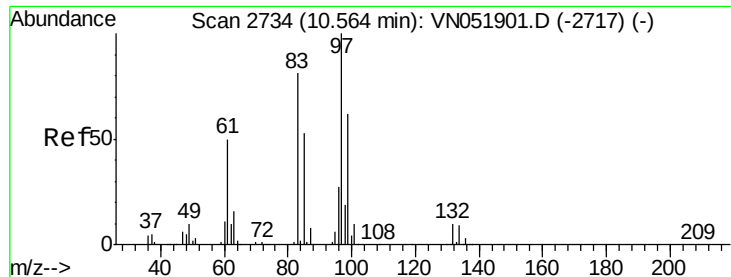
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.627 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

Tot Ion: 97 Resp: 159220

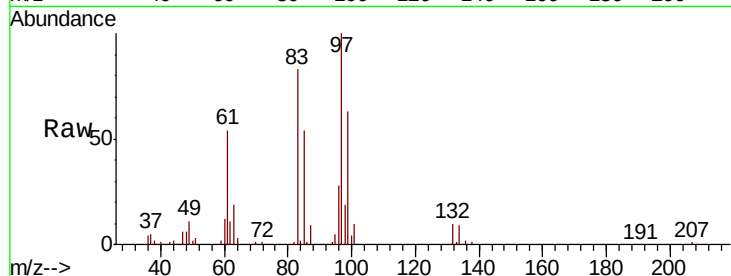
Ion	Ratio	Lower	Upper
97	100		
83	83.3	64.6	96.8
85	53.5	42.3	63.5
99	62.6	49.7	74.5

97 100

83 83.3 64.6 96.8

85 53.5 42.3 63.5

99 62.6 49.7 74.5

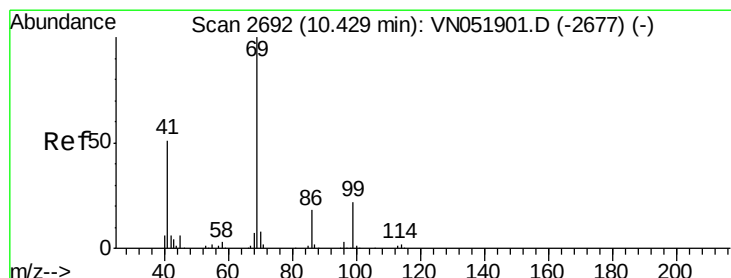
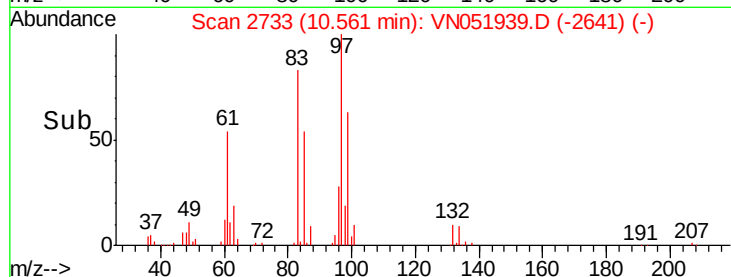
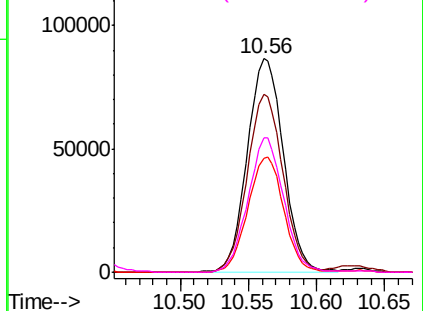


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 17.996 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

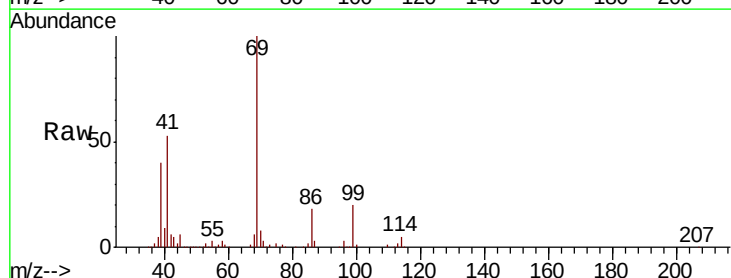
Tgt Ion: 69 Resp: 163216

Ion	Ratio	Lower	Upper
69	100		
41	52.2	40.6	61.0
39	39.3	29.4	44.0

69 100

41 52.2 40.6 61.0

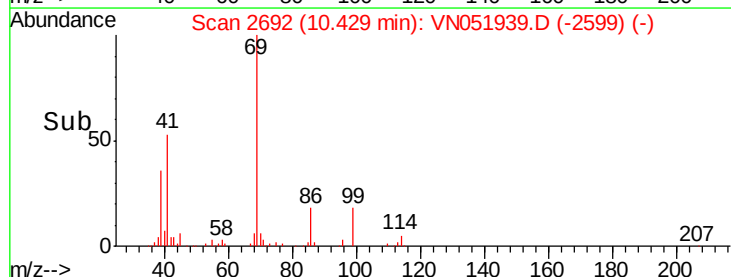
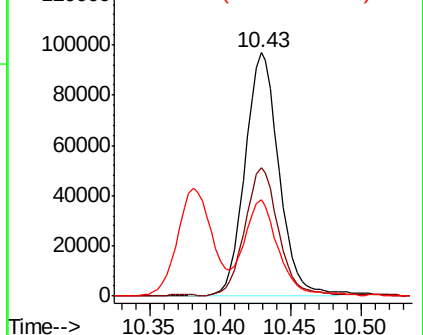
39 39.3 29.4 44.0

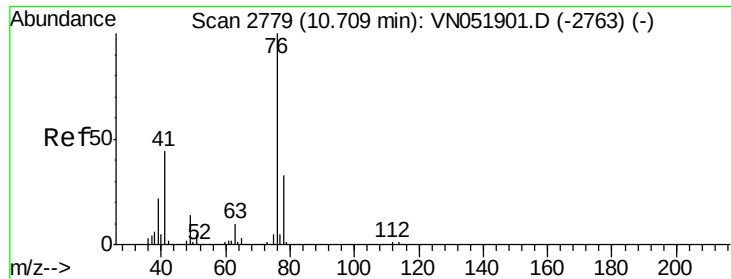


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.616 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampled :

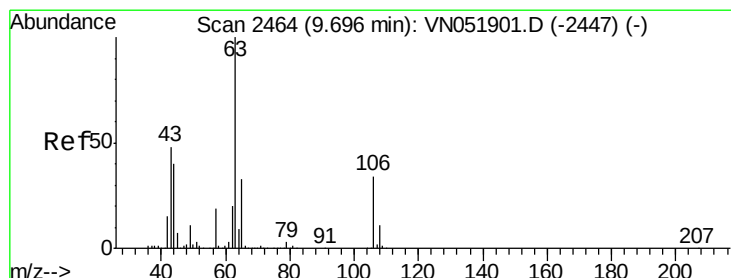
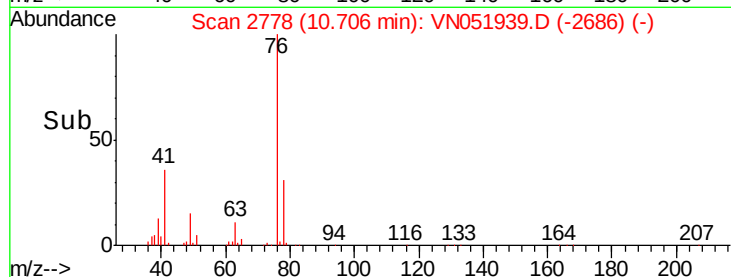
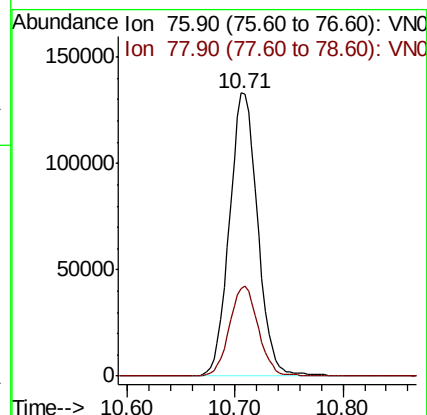
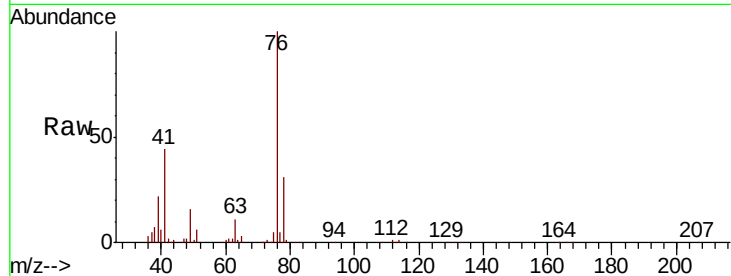
VN1019WBSD01

Tot Ion: 76 Resp: 242298

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 85.055 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051939.D

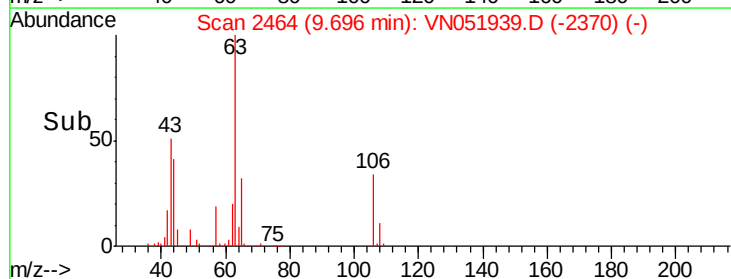
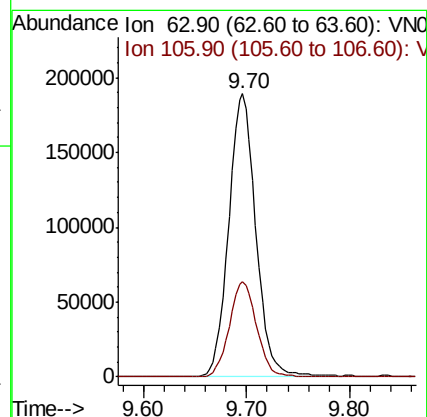
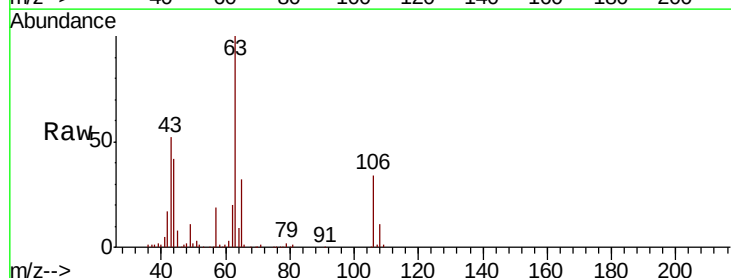
Acq: 19 Oct 2018 11:20

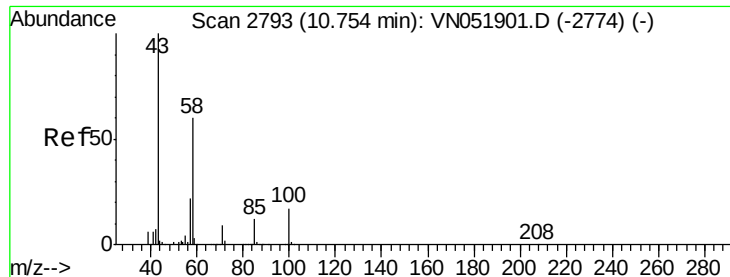
Tgt Ion: 63 Resp: 347442

Ion Ratio Lower Upper

63 100

106 33.9 27.5 41.3

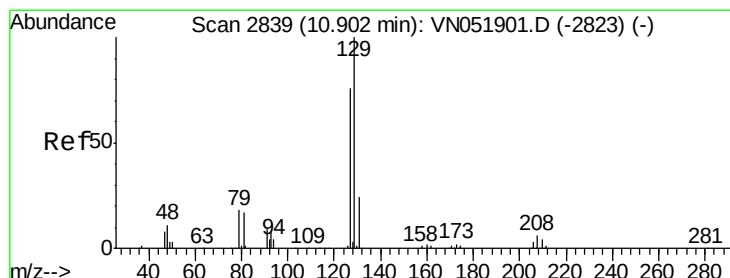
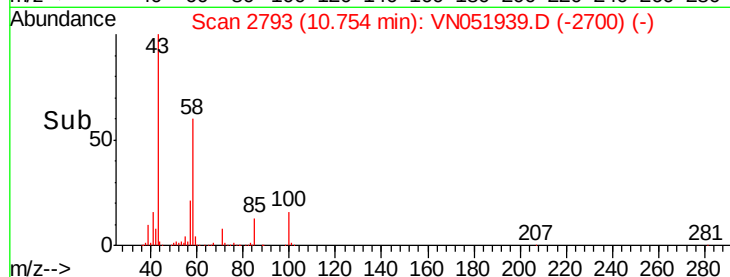
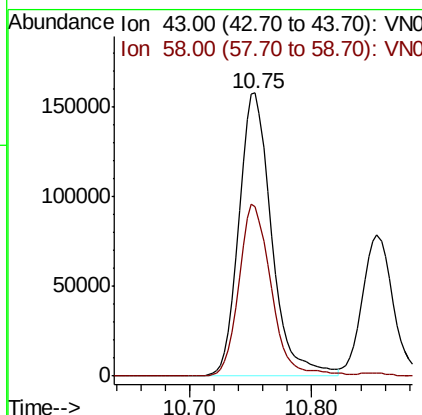
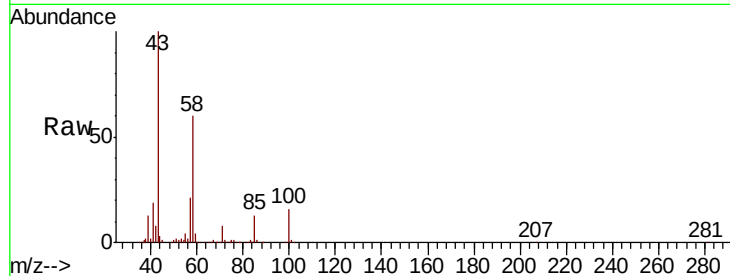




#59
2-Hexanone
Concen: 82.352 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

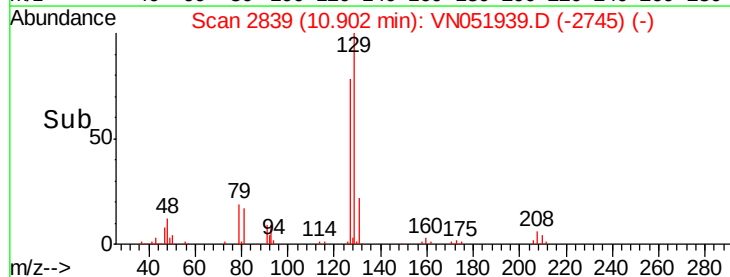
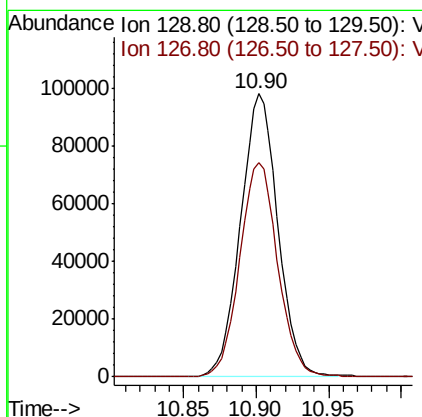
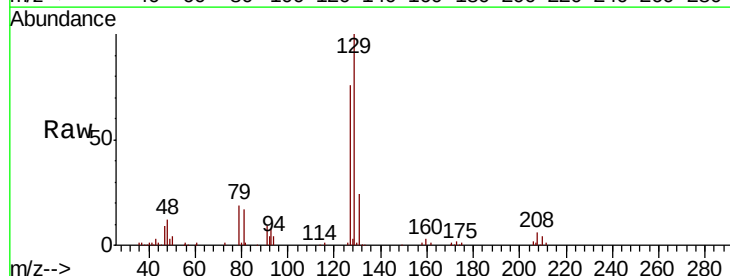
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

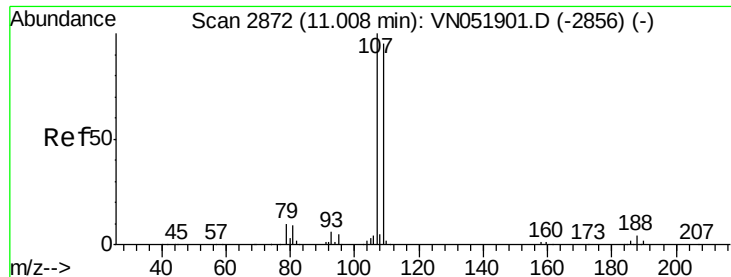
Tot Ion: 43 Resp: 291232
Ion Ratio Lower Upper
43 100
58 59.9 29.8 89.5



#60
Dibromochloromethane
Concen: 17.588 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion: 129 Resp: 176170
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





#61

1,2-Dibromoethane

Concen: 18.498 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

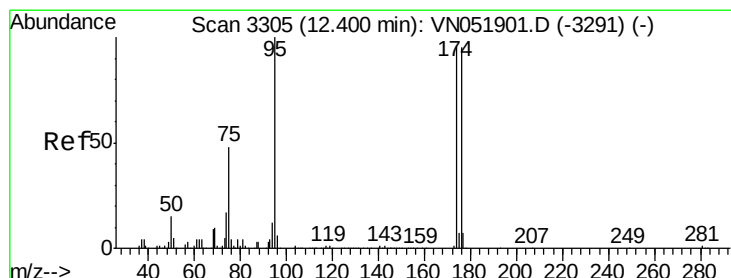
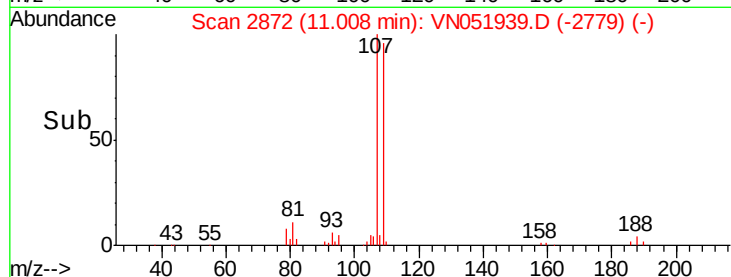
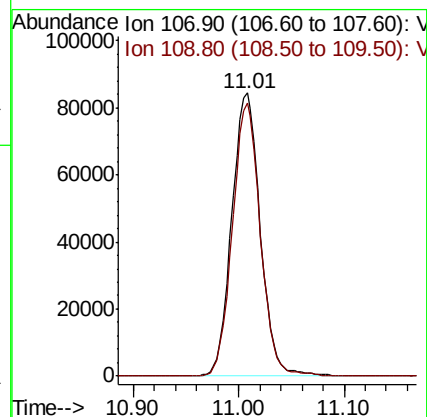
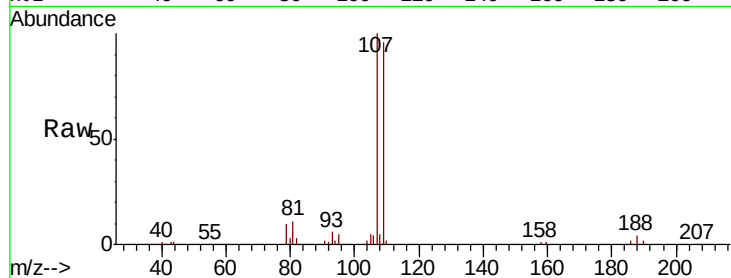
VN1019WBSD01

Tot Ion:107 Resp: 157396

Ion Ratio Lower Upper

107 100

109 94.5 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 18.498 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

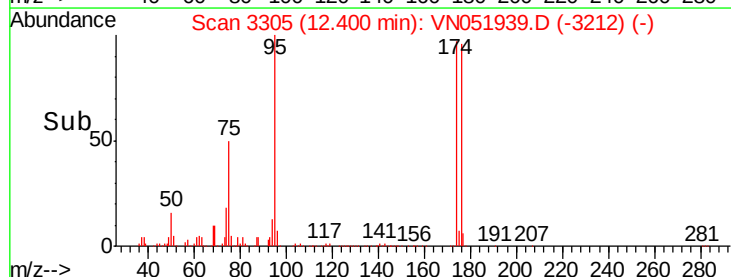
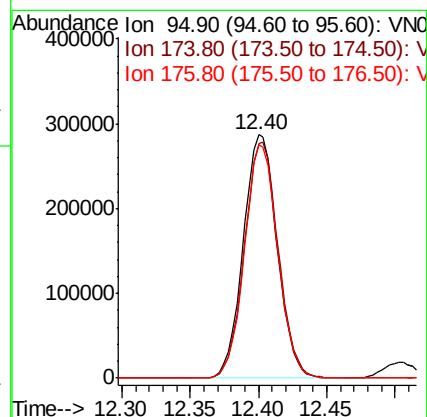
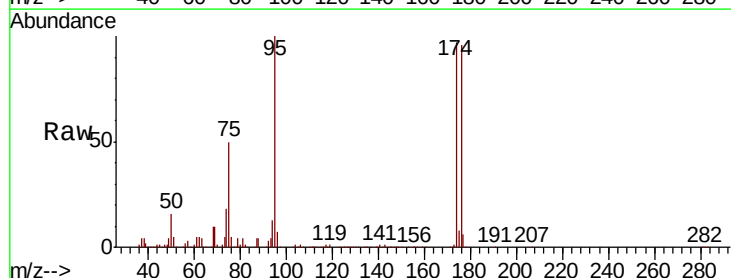
Tgt Ion: 95 Resp: 493741

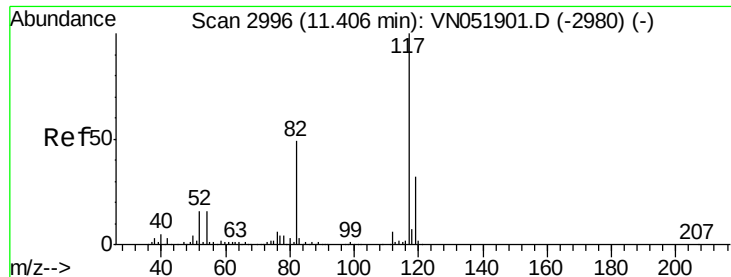
Ion Ratio Lower Upper

95 100

174 96.9 0.0 195.0

176 94.2 0.0 191.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

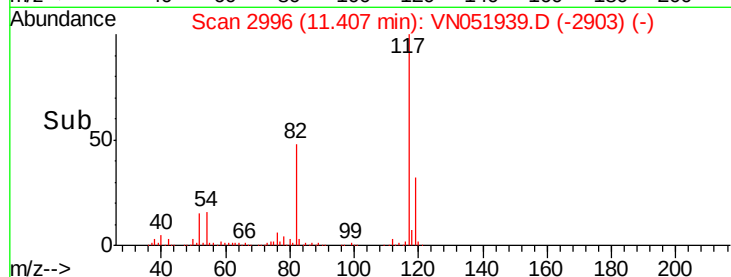
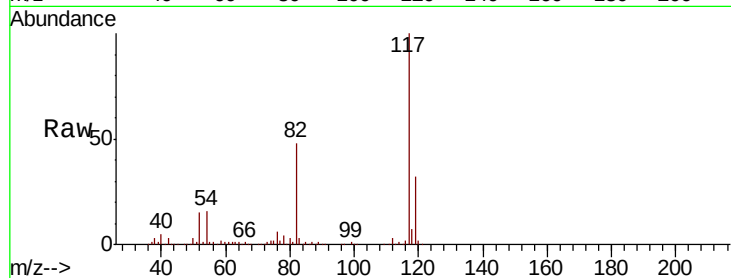
Tot Ion:117 Resp: 1274444

Ion Ratio Lower Upper

117 100

82 48.4 38.9 58.3

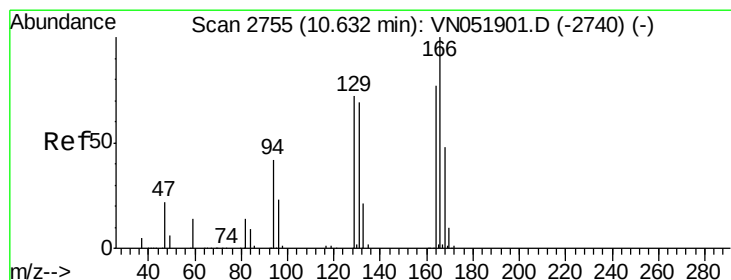
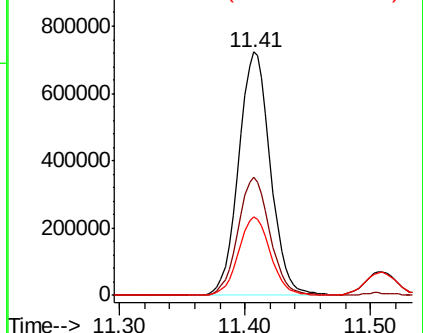
119 32.3 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.401 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Tgt Ion:164 Resp: 208701

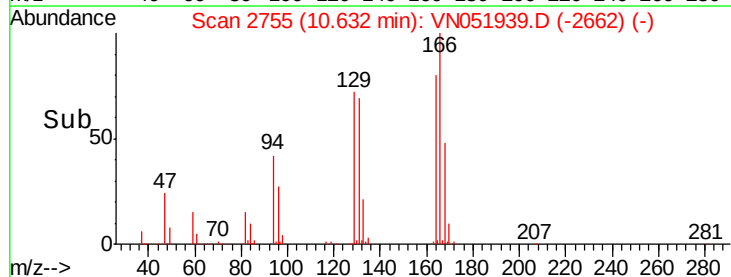
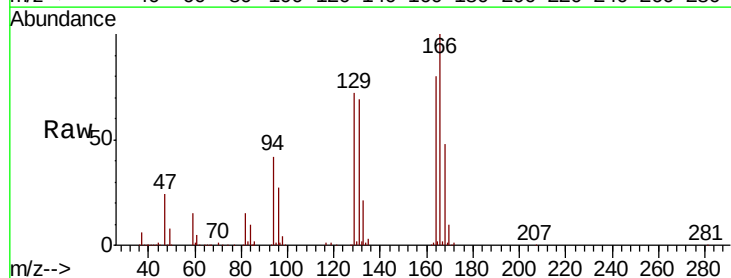
Ion Ratio Lower Upper

164 100

166 125.6 103.4 155.0

129 90.0 73.9 110.9

131 86.1 71.0 106.4

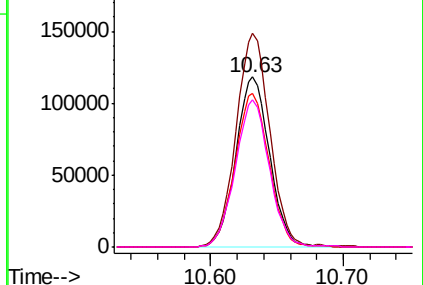


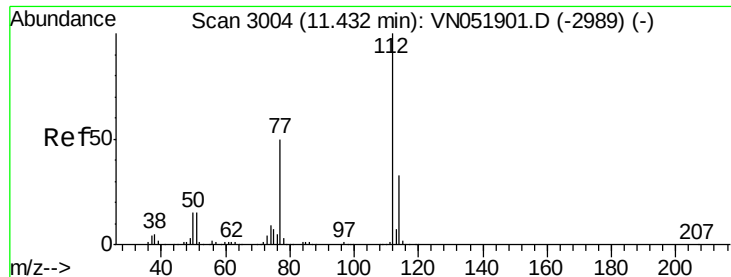
Abundance Ion 163.80 (163.50 to 164.50): V

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: 19.624 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

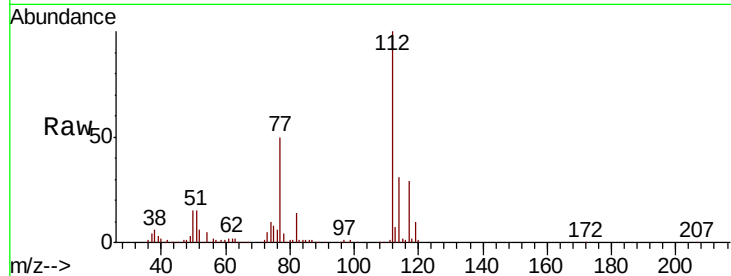
VN1019WBSD01

Tot Ion:112 Resp: 500017

Ion Ratio Lower Upper

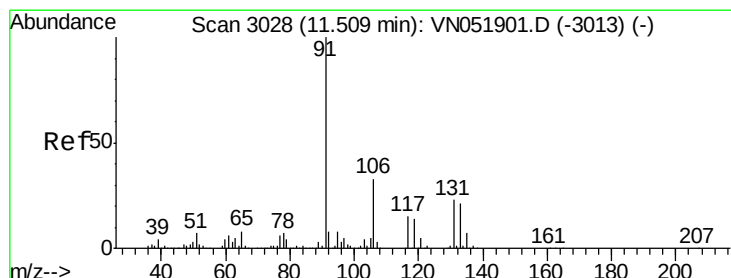
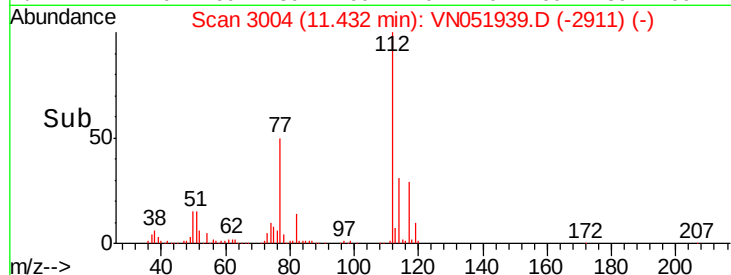
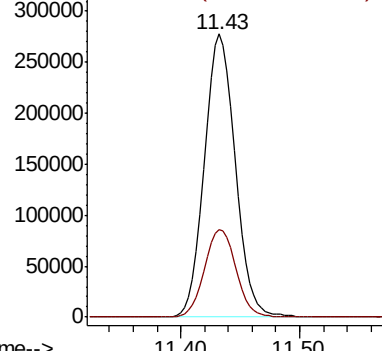
112 100

114 30.9 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.643 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

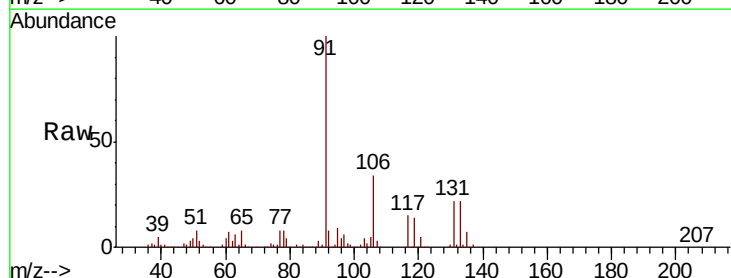
Tgt Ion:131 Resp: 186299

Ion Ratio Lower Upper

131 100

133 96.0 47.5 142.6

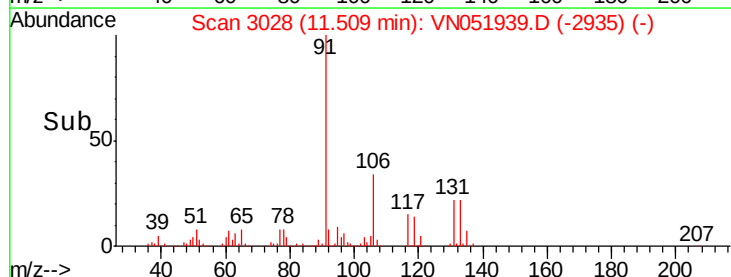
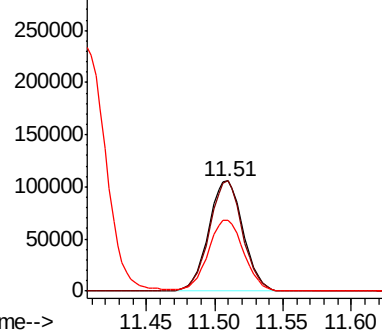
119 65.9 32.1 96.5

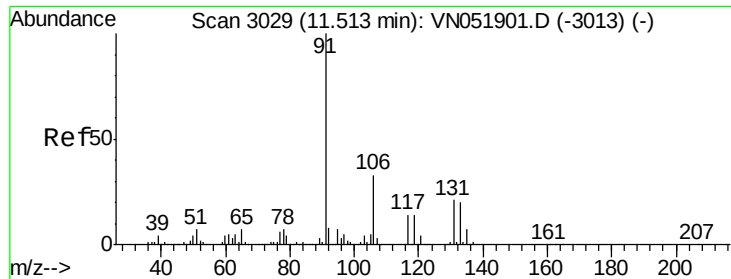


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

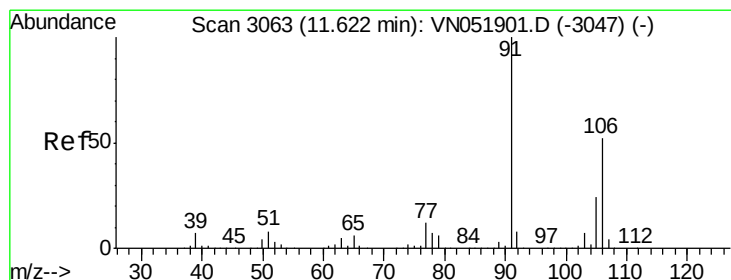
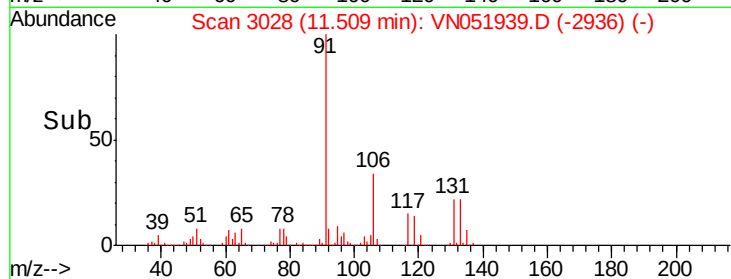
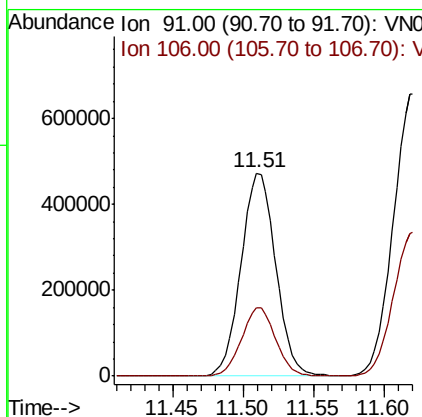
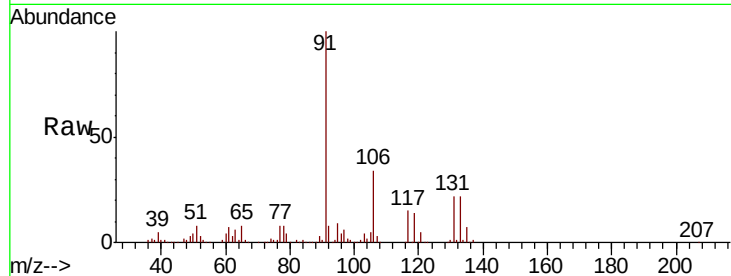




#67
Ethyl Benzene
Concen: 19.565 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

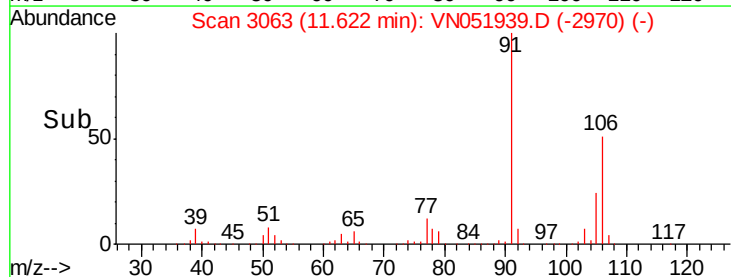
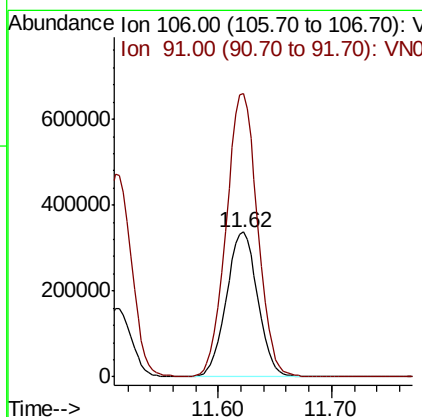
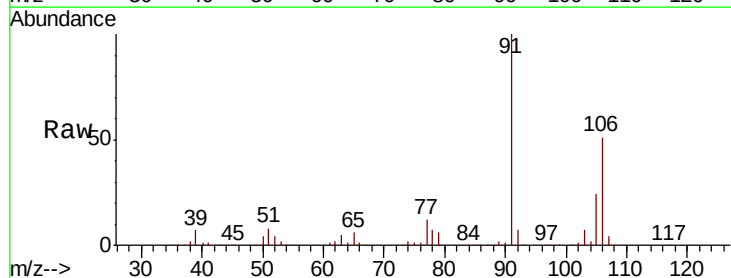
Instrument :
MSVOA_N
ClientSampled :
VN1019WBSD01

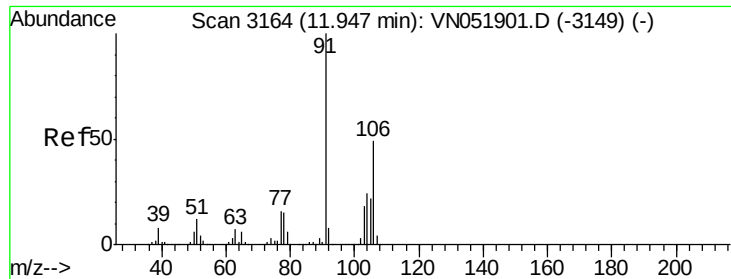
Tot Ion: 91 Resp: 816680
Ion Ratio Lower Upper
91 100
106 33.9 26.6 39.8



#68
m/p-Xylenes
Concen: 38.786 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion: 106 Resp: 650067
Ion Ratio Lower Upper
106 100
91 195.3 153.6 230.4

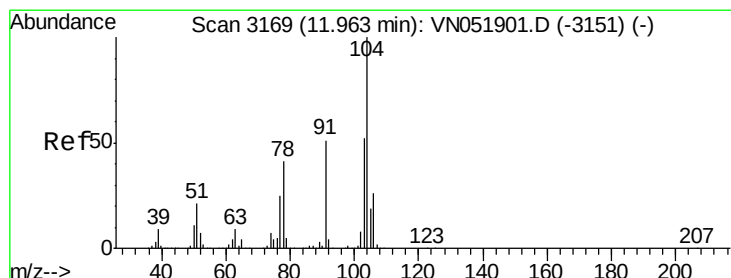
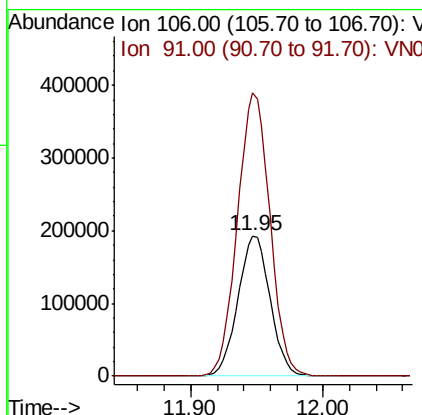
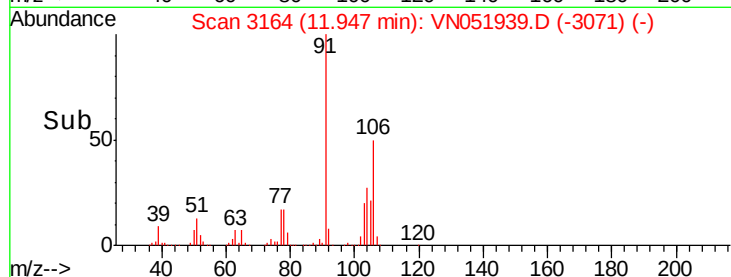
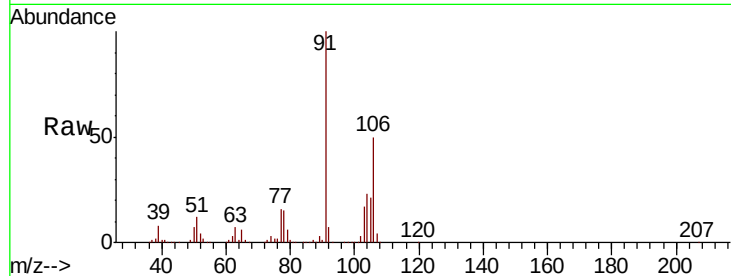




#69
o-Xylene
Concen: 19.901 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

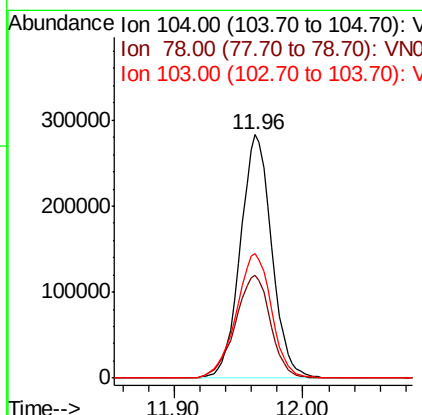
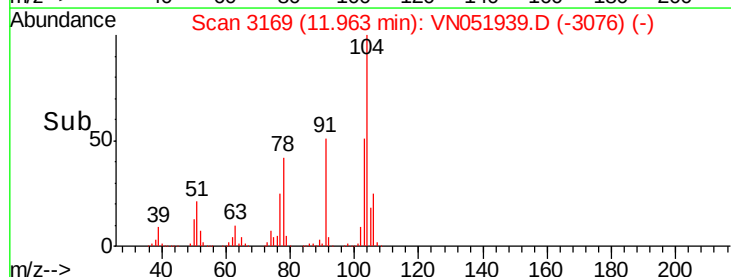
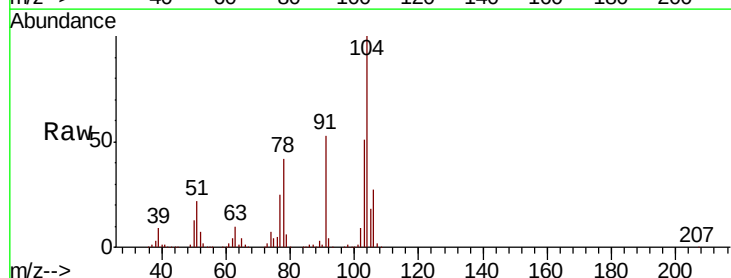
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

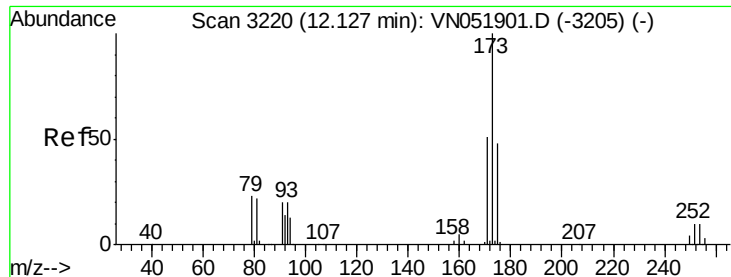
Tot Ion:106 Resp: 325046
Ion Ratio Lower Upper
106 100
91 204.0 100.7 302.1



#70
Styrene
Concen: 19.055 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion:104 Resp: 478761
Ion Ratio Lower Upper
104 100
78 47.4 36.6 55.0
103 57.6 44.6 67.0

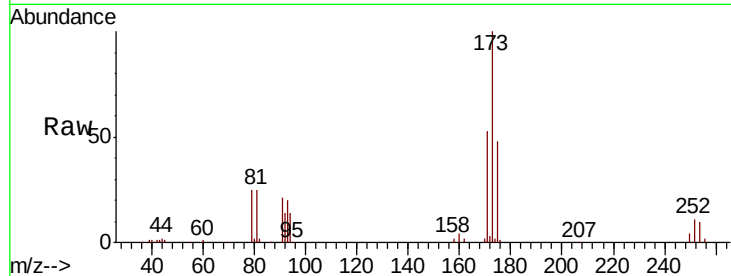




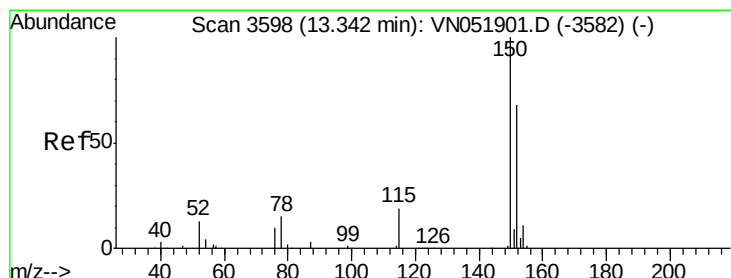
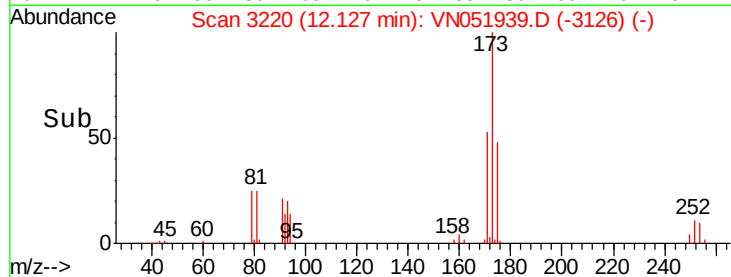
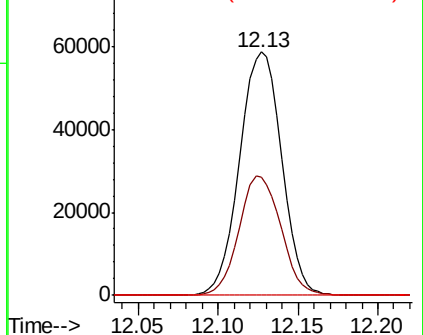
#71
 Bromoform
 Concen: 17.055 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

Tot Ion:173 Resp: 105434
 Ion Ratio Lower Upper
 173 100
 175 48.6 24.0 72.0
 254 0.0 0.2 0.2#

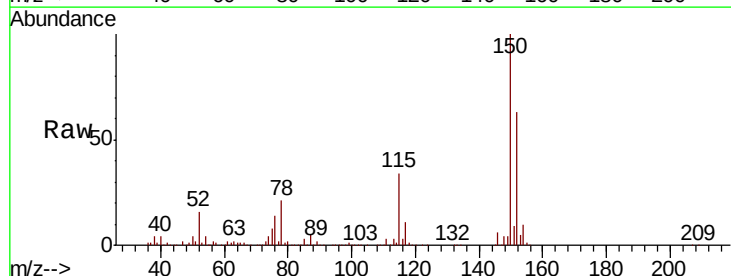


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

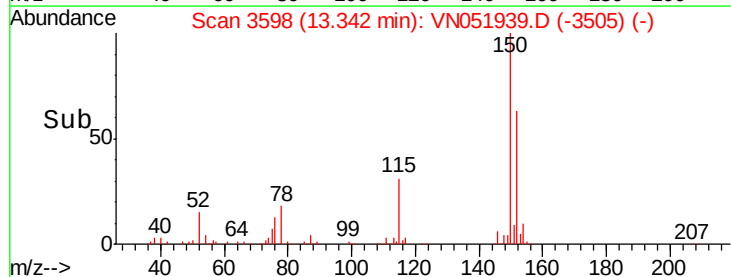
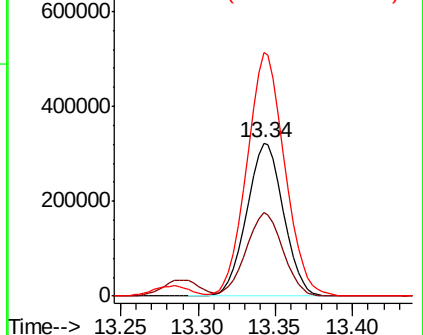


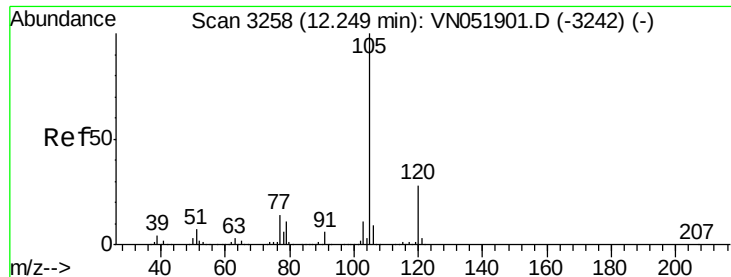
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion:152 Resp: 534086
 Ion Ratio Lower Upper
 152 100
 115 54.7 26.7 80.1
 150 163.7 0.0 346.4



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





#73

Isopropylbenzene

Concen: 20.824 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

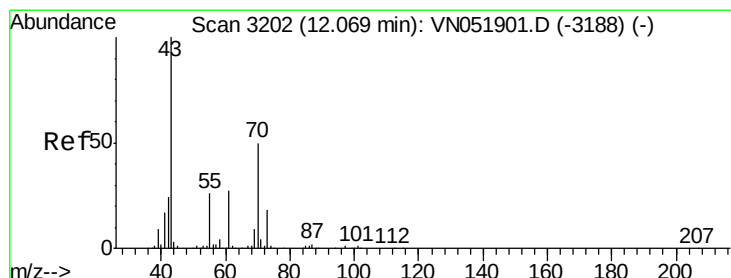
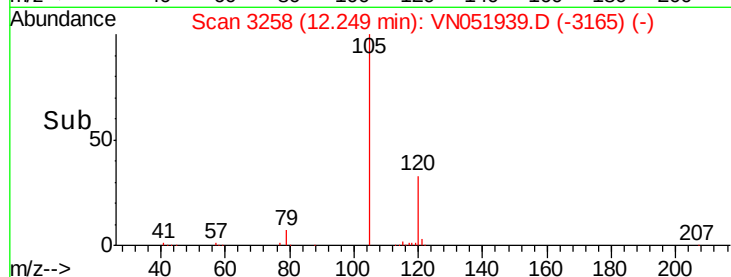
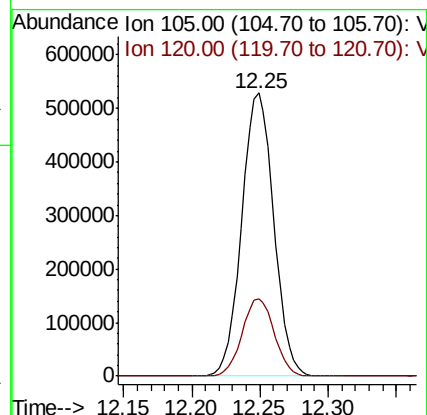
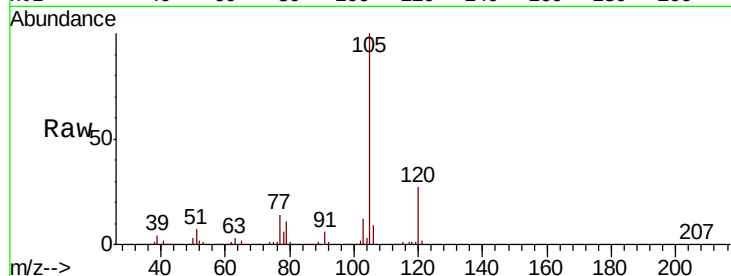
VN1019WBSD01

Tot Ion:105 Resp: 860998

Ion Ratio Lower Upper

105 100

120 27.6 14.0 41.9



#74

N-ethyl acetate

Concen: 18.225 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Tgt Ion: 43 Resp: 129561

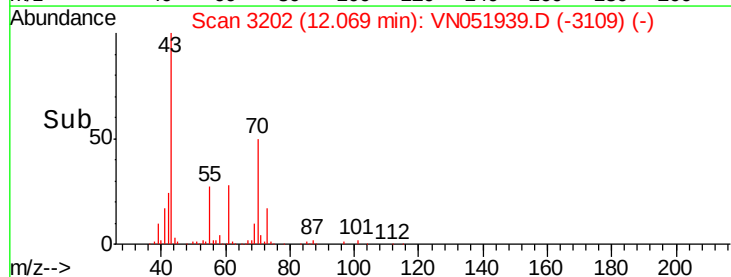
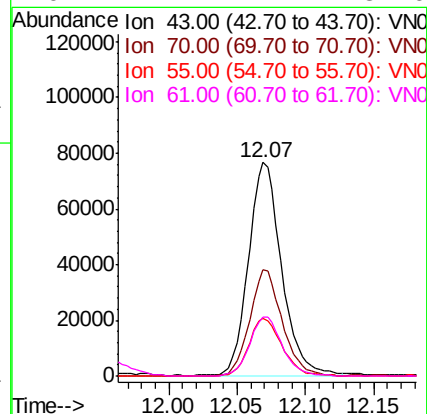
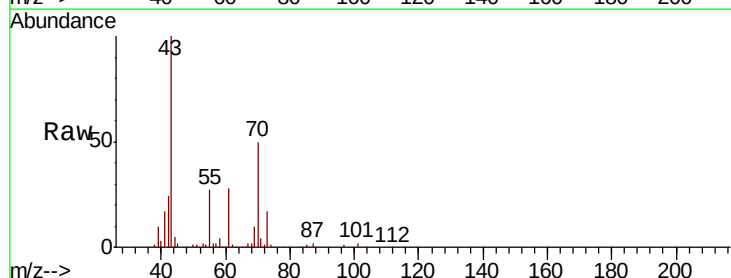
Ion Ratio Lower Upper

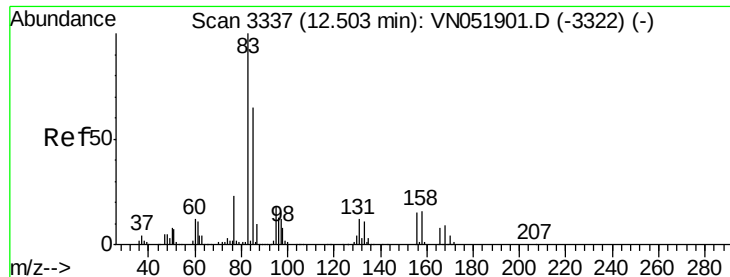
43 100

70 48.5 40.1 60.1

55 26.9 21.0 31.4

61 27.2 21.4 32.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.072 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

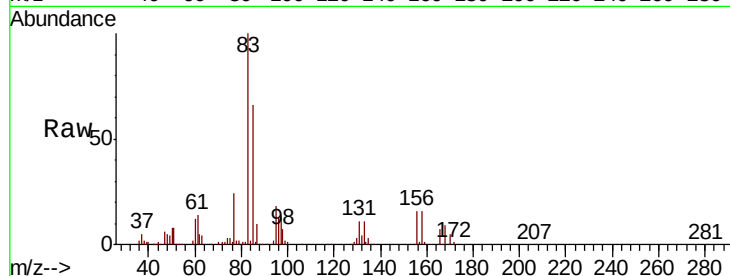
Tot Ion: 83 Resp: 167719

Ion Ratio Lower Upper

83 100

131 11.6 6.2 18.6

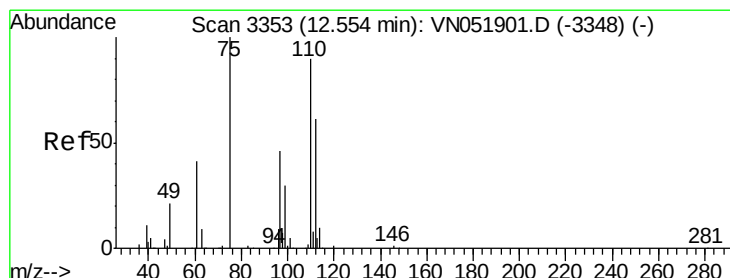
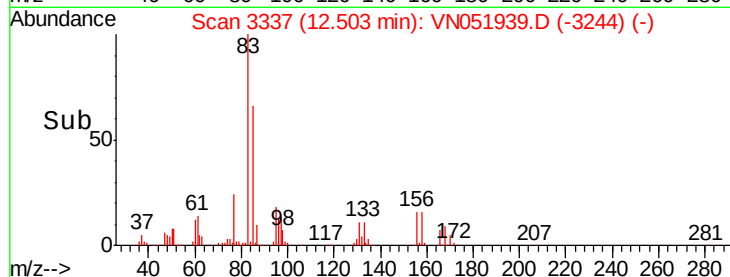
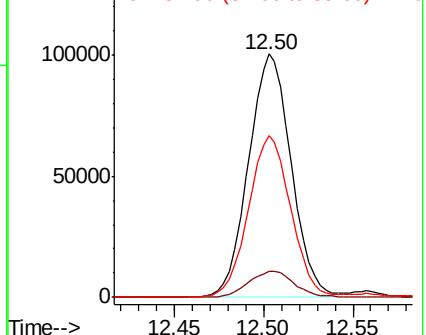
85 66.1 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VN051939.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN051939.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN051939.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 29.361 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051939.D

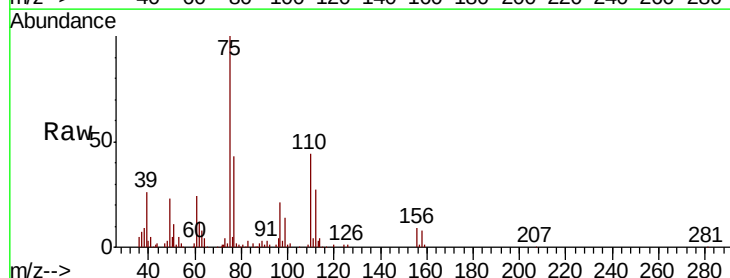
Acq: 19 Oct 2018 11:20

Tgt Ion: 75 Resp: 190599

Ion Ratio Lower Upper

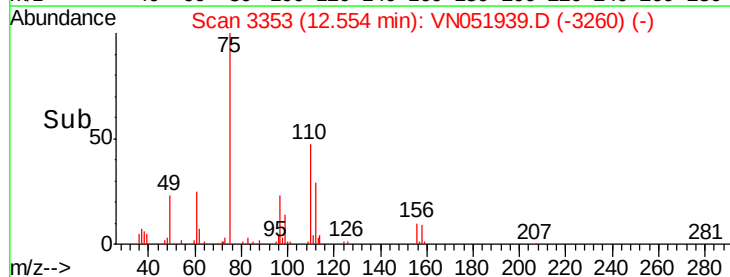
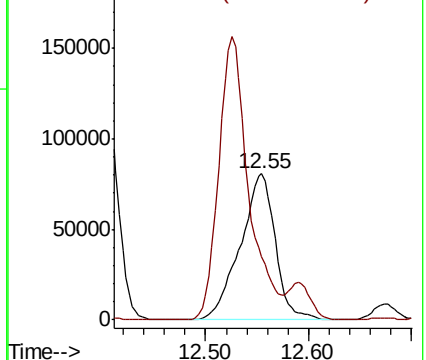
75 100

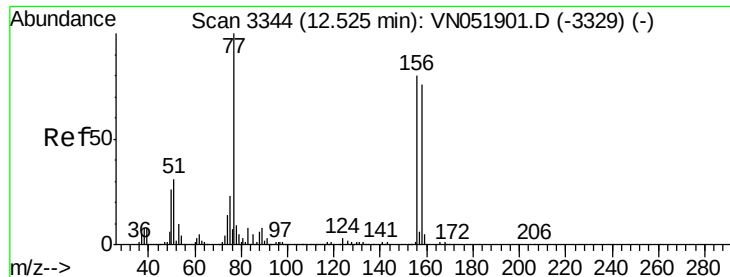
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051939.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051939.D (-3260) (-)





#77

Bromobenzene

Concen: 19.884 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

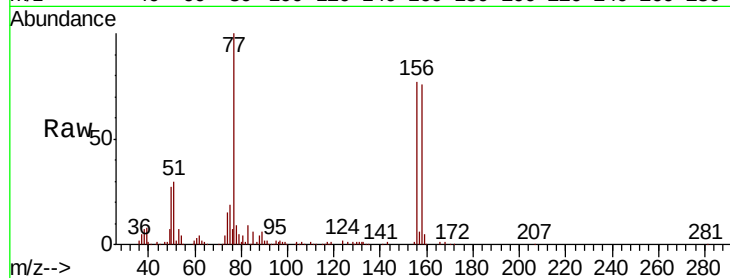
Tot Ion:156 Resp: 209192

Ion Ratio Lower Upper

156 100

77 150.8 73.0 219.0

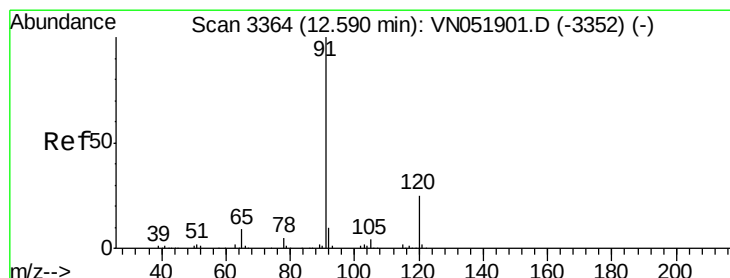
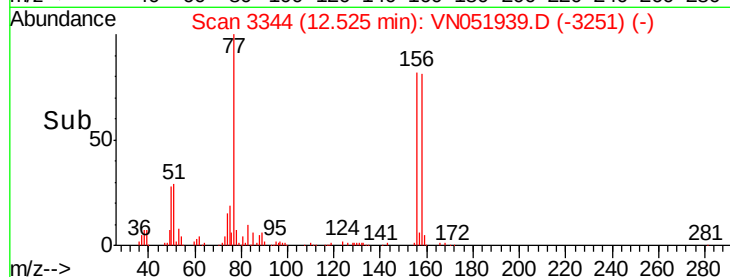
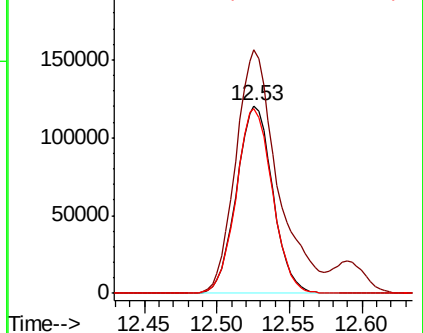
158 98.4 48.4 145.0



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: 20.730 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051939.D

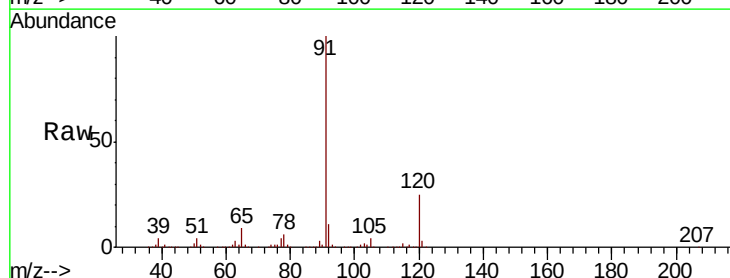
Acq: 19 Oct 2018 11:20

Tgt Ion: 91 Resp: 892215

Ion Ratio Lower Upper

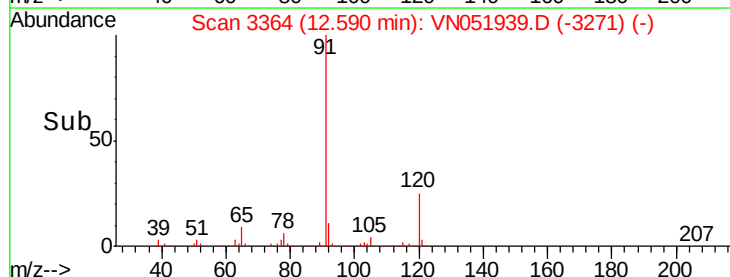
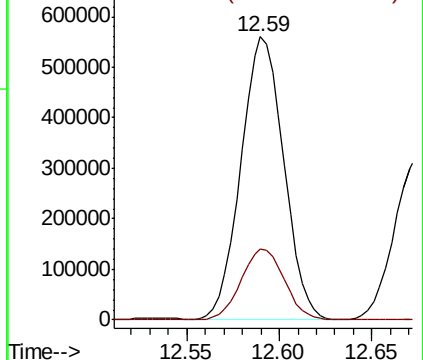
91 100

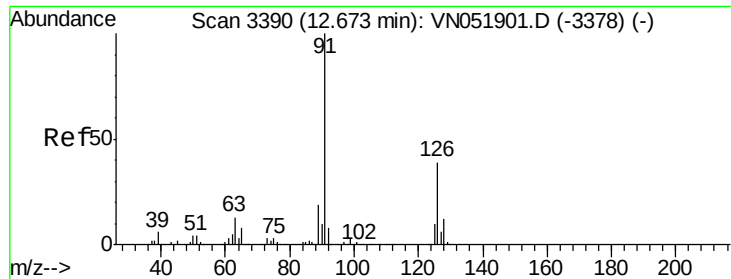
120 25.3 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.977 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

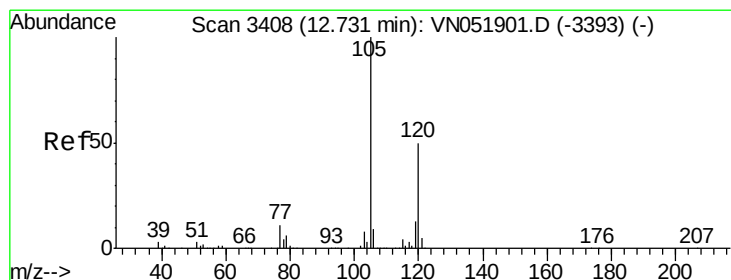
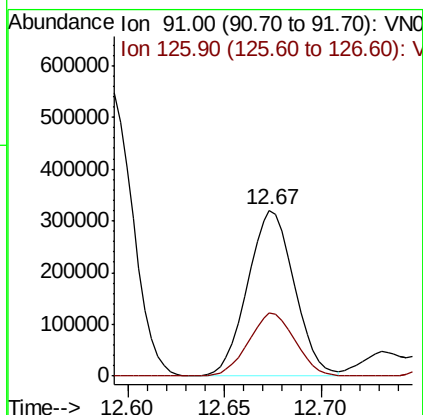
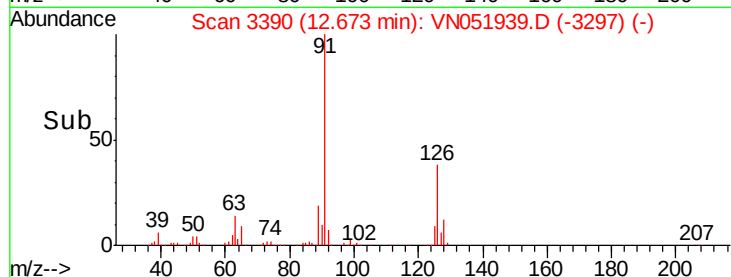
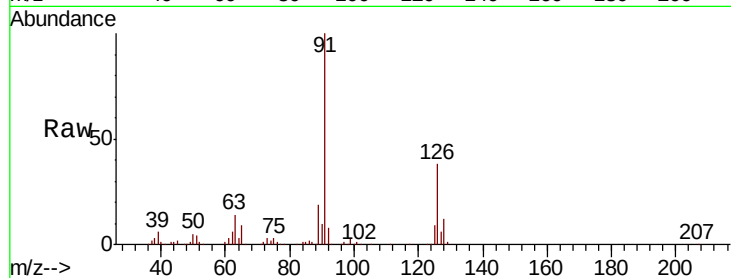
VN1019WBSD01

Tot Ion: 91 Resp: 535464

Ion Ratio Lower Upper

91 100

126 38.2 19.6 58.7



#80

1,3,5-Trimethylbenzene

Concen: 20.824 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051939.D

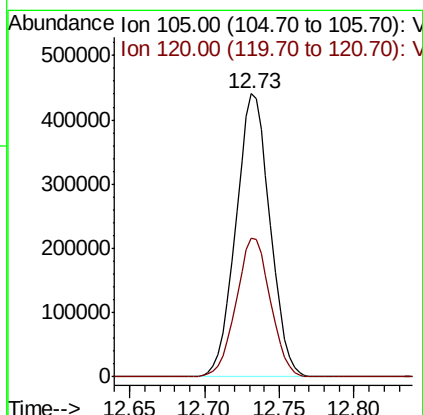
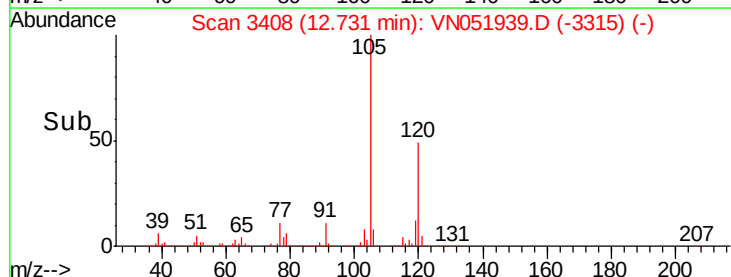
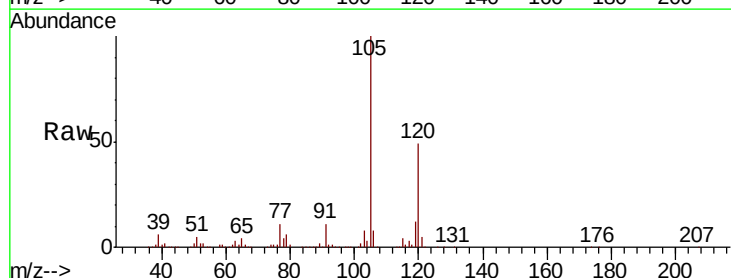
Acq: 19 Oct 2018 11:20

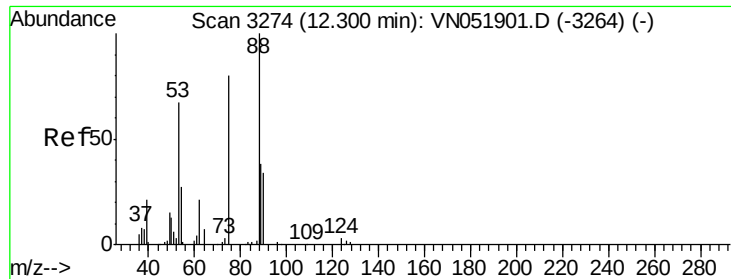
Tgt Ion: 105 Resp: 695912

Ion Ratio Lower Upper

105 100

120 49.5 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 16.017 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

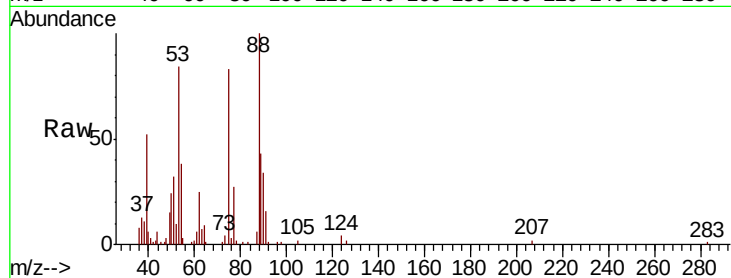
Tot Ion: 75 Resp: 31328

Ion Ratio Lower Upper

75 100

53 101.8 68.5 102.7

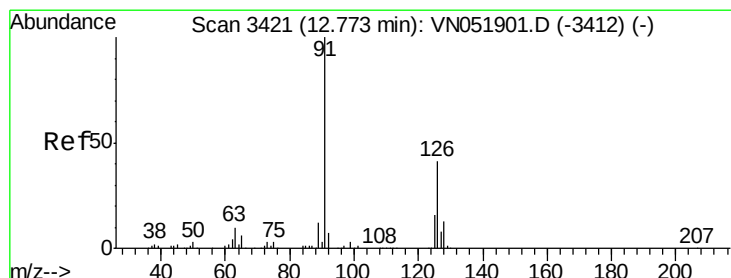
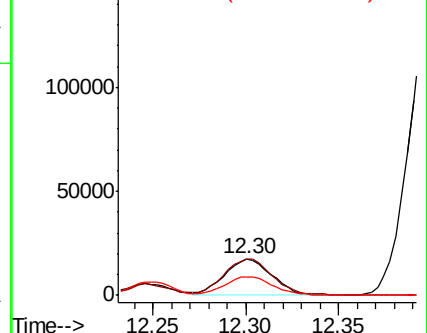
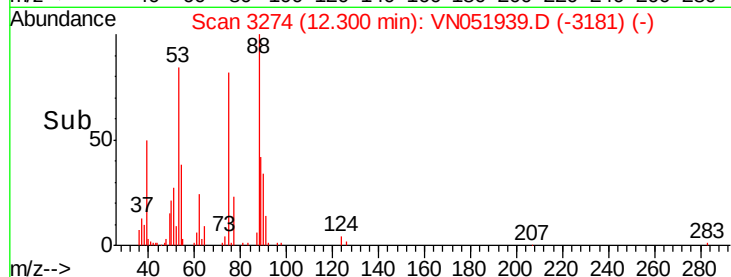
89 50.9 39.0 58.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.473 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051939.D

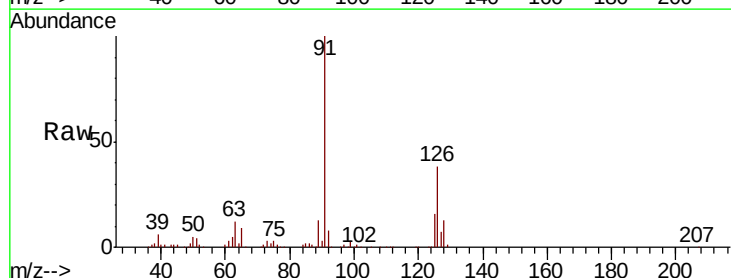
Acq: 19 Oct 2018 11:20

Tgt Ion: 91 Resp: 514910

Ion Ratio Lower Upper

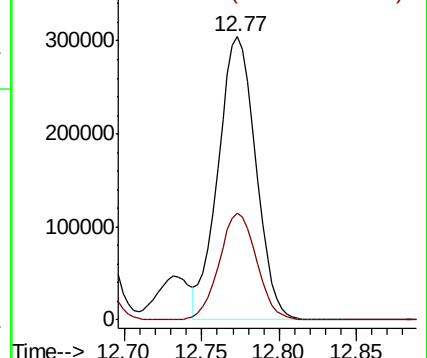
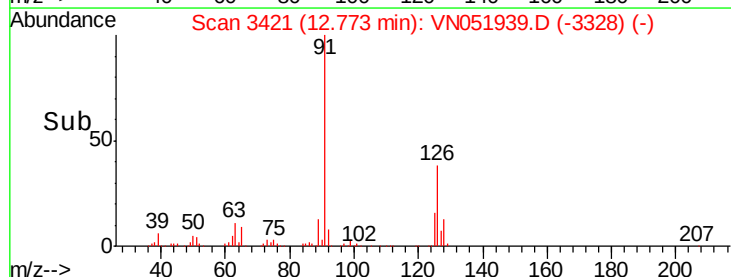
91 100

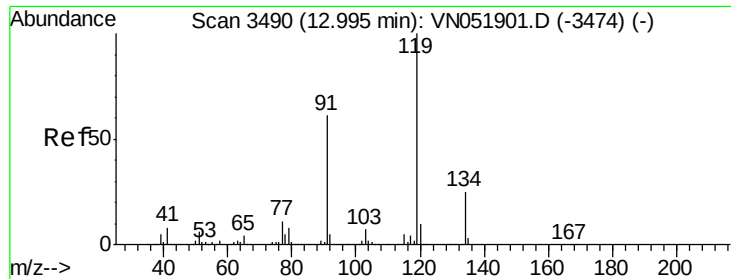
126 37.6 18.9 56.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

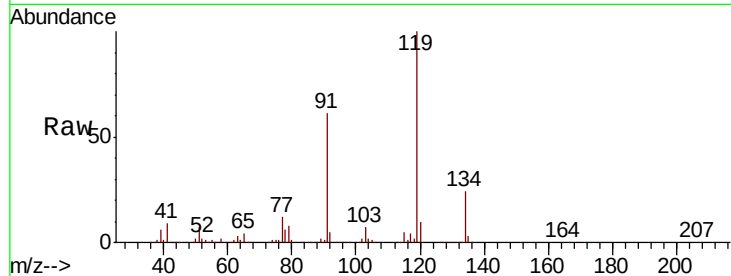




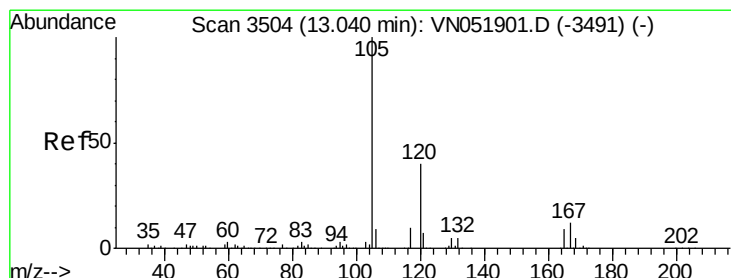
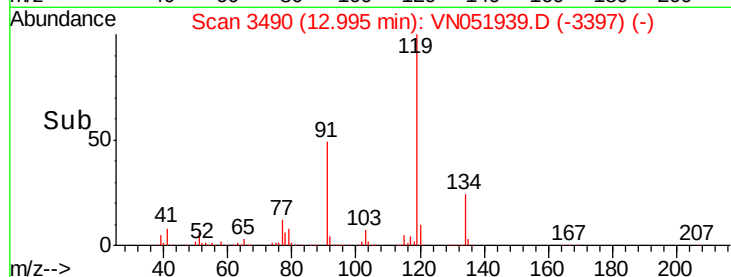
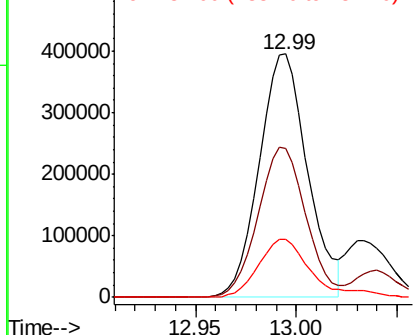
#83
 tert-Butylbenzene
 Concen: 20.997 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1019WBSD01

Tot Ion:119 Resp: 659409
 Ion Ratio Lower Upper
 119 100
 91 61.0 30.3 90.9
 134 26.1 13.4 40.1

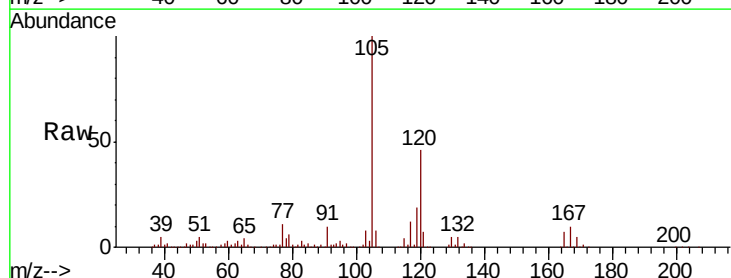


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

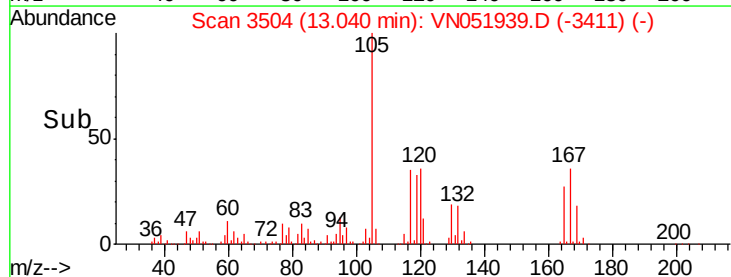
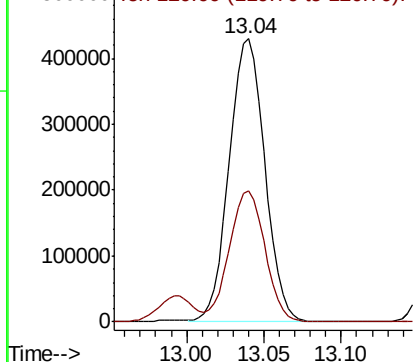


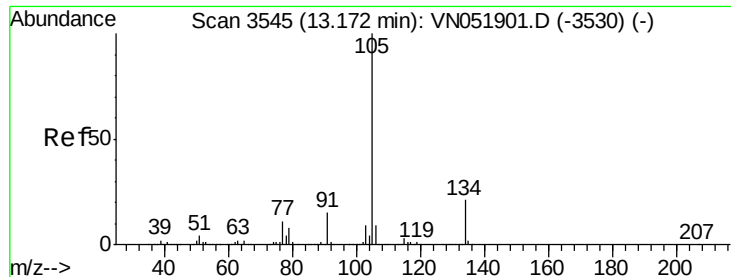
#84
 1,2,4-Trimethylbenzene
 Concen: 20.914 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion:105 Resp: 687197
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.8 71.4



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





#85

sec-Butylbenzene

Concen: 20.711 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

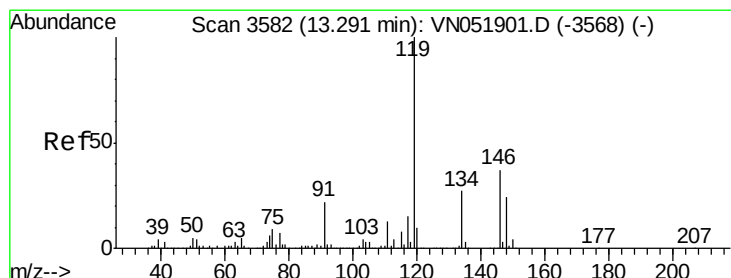
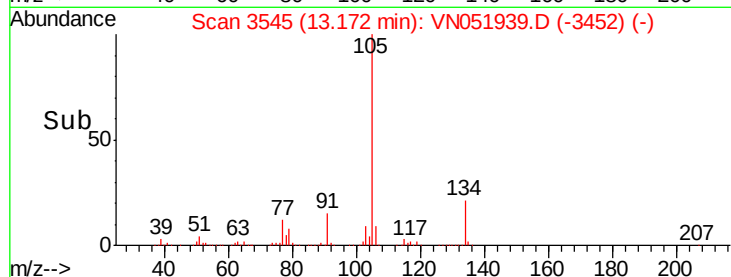
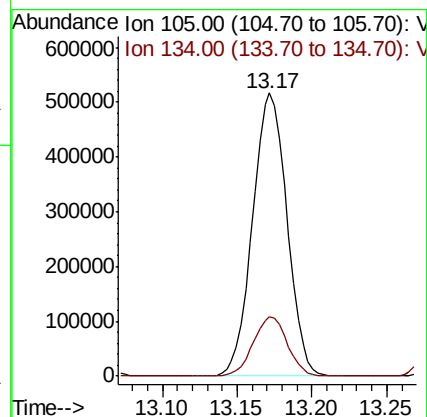
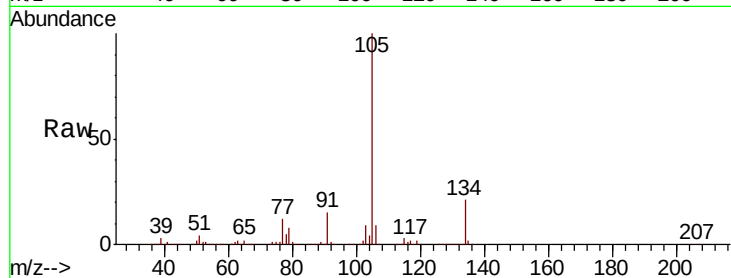
VN1019WBSD01

Tot Ion:105 Resp: 826883

Ion Ratio Lower Upper

105 100

134 20.9 10.8 32.3



#86

p-Isopropyltoluene

Concen: 20.910 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

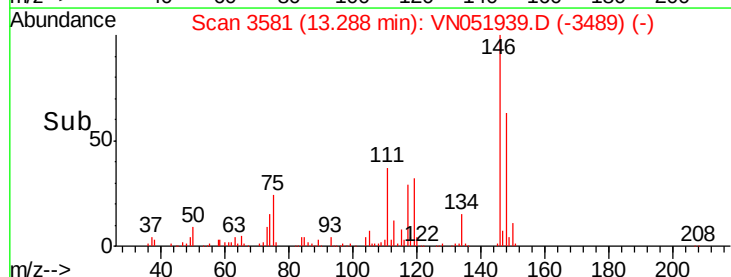
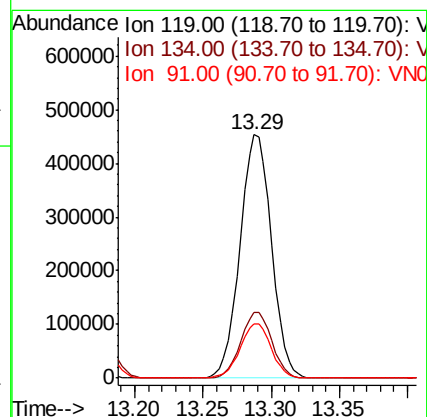
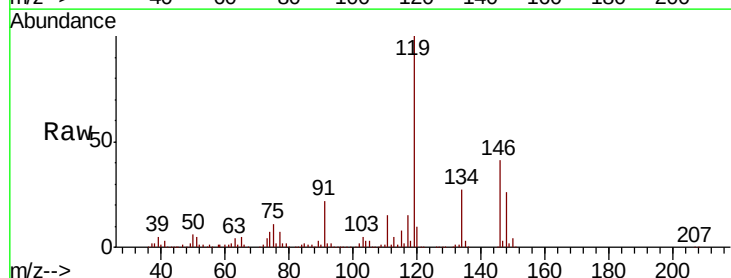
Tgt Ion:119 Resp: 723554

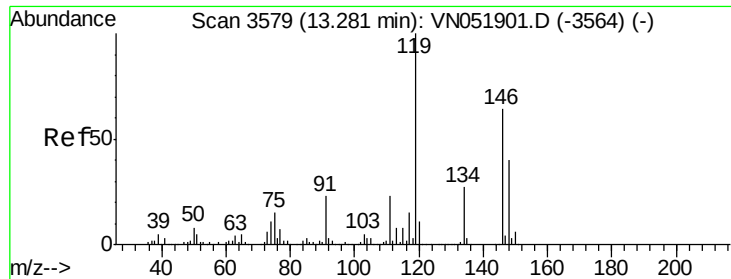
Ion Ratio Lower Upper

119 100

134 26.9 13.8 41.3

91 22.2 10.9 32.9

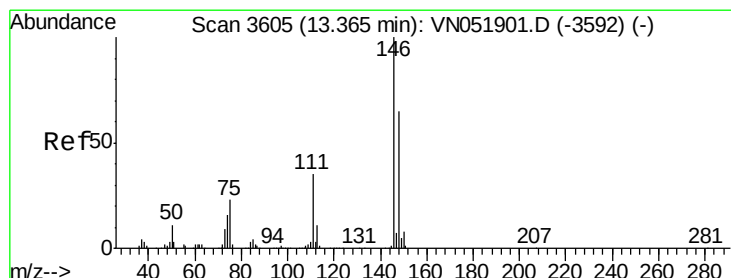
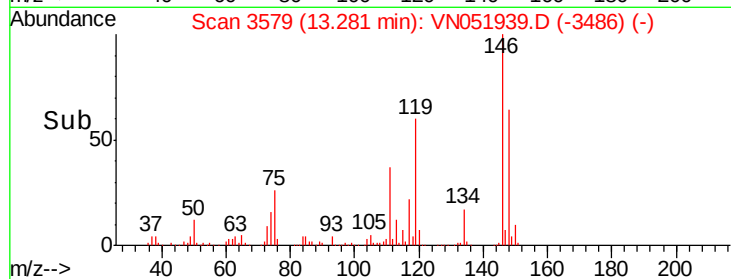
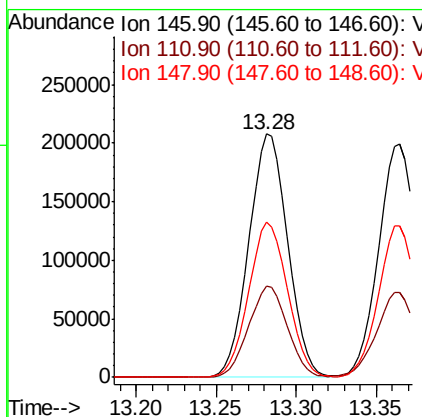
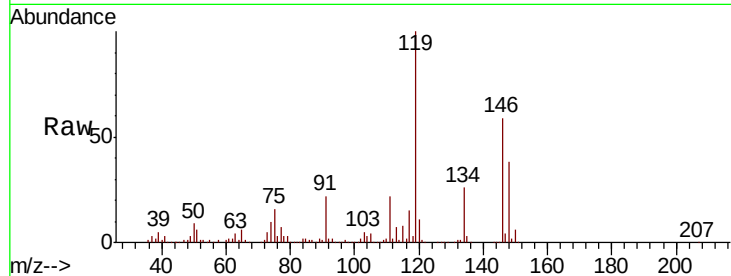




#87
 1,3-Dichlorobenzene
 Concen: 19.530 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

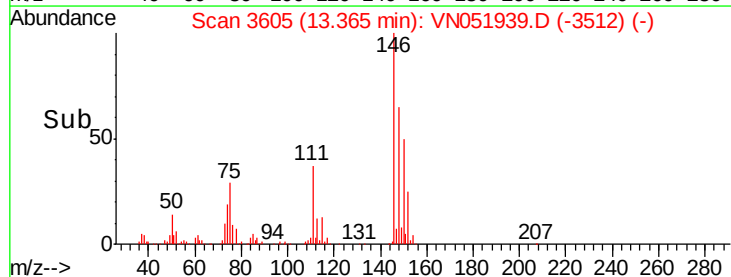
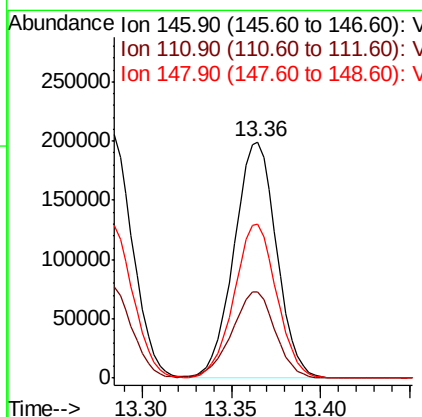
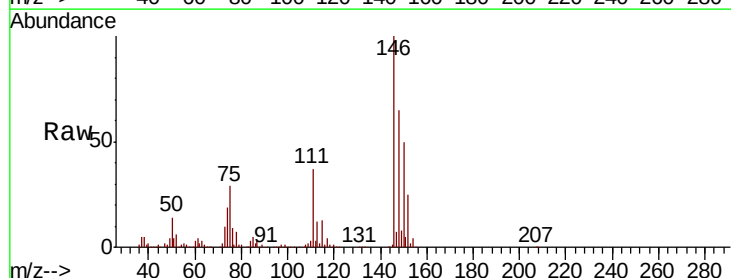
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

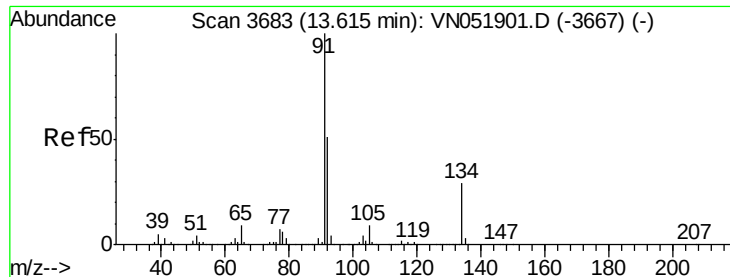
Tot Ion:146 Resp: 346297
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.3 54.8
 148 63.8 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 18.987 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion:146 Resp: 330884
 Ion Ratio Lower Upper
 146 100
 111 37.6 17.9 53.7
 148 65.4 32.8 98.3

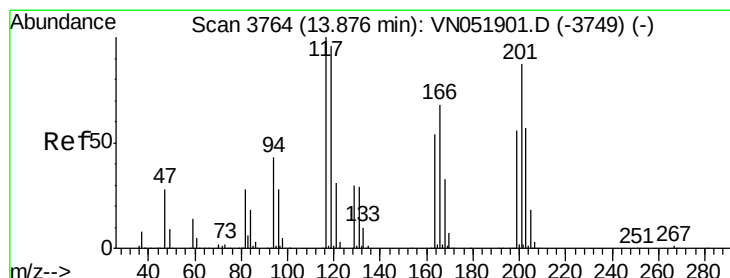
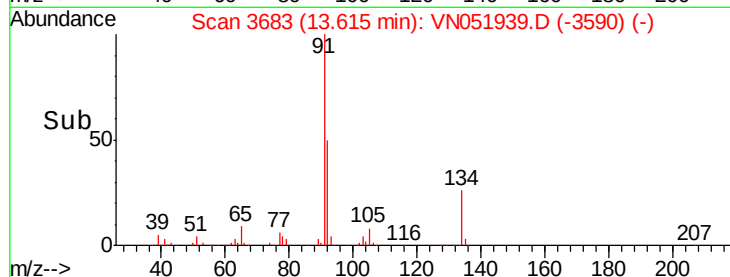
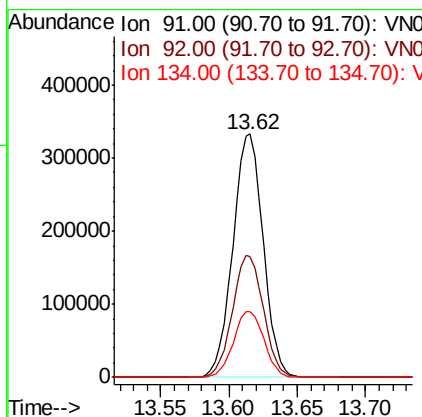
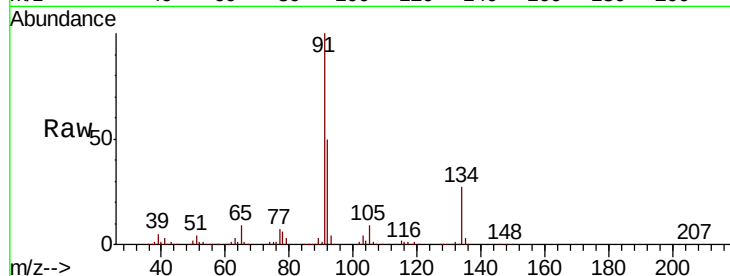




#89
n-Butylbenzene
Concen: 20.502 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

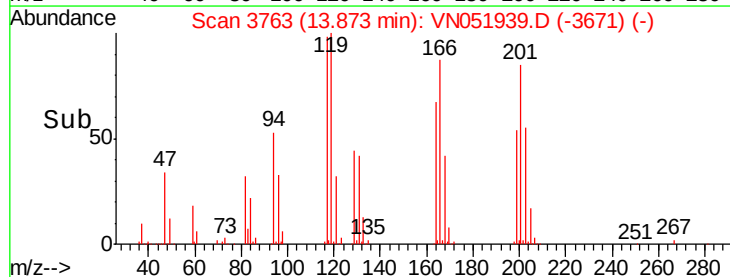
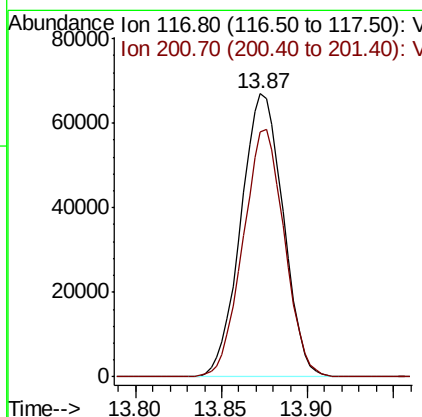
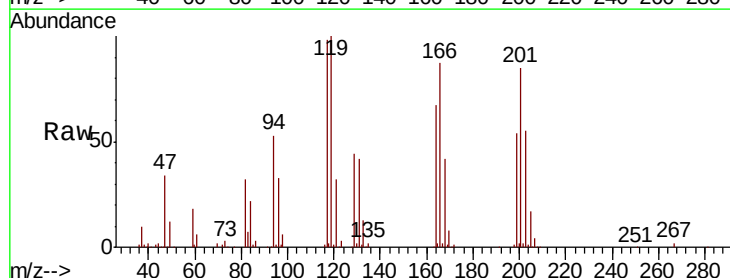
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

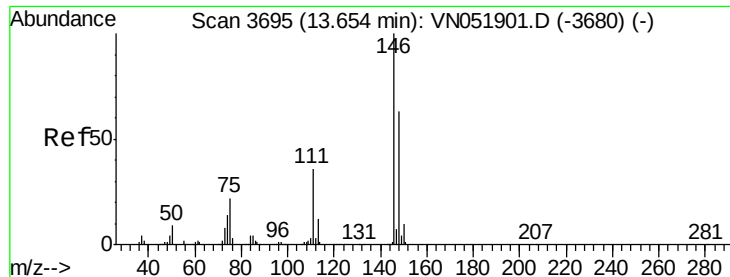
Tot Ion: 91 Resp: 514625
Ion Ratio Lower Upper
91 100
92 50.8 25.9 77.7
134 27.2 14.6 43.8



#90
Hexachloroethane
Concen: 19.764 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion: 117 Resp: 114382
Ion Ratio Lower Upper
117 100
201 85.4 43.8 131.3

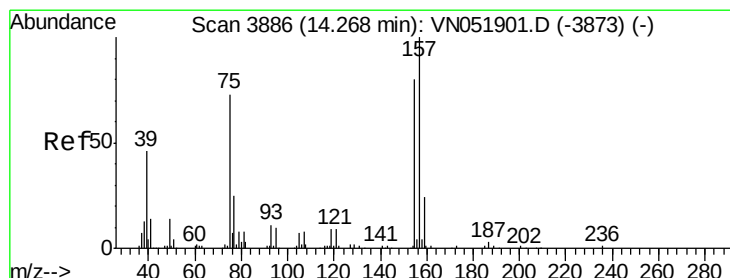
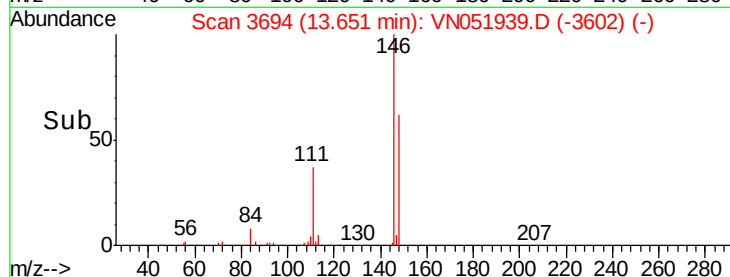
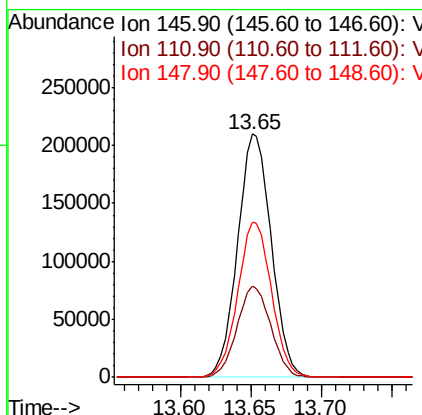
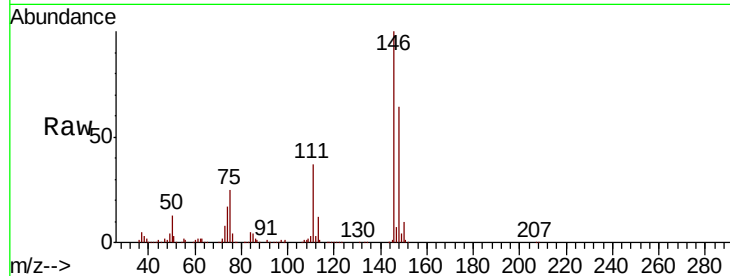




#91
 1,2-Dichlorobenzene
 Concen: 20.513 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

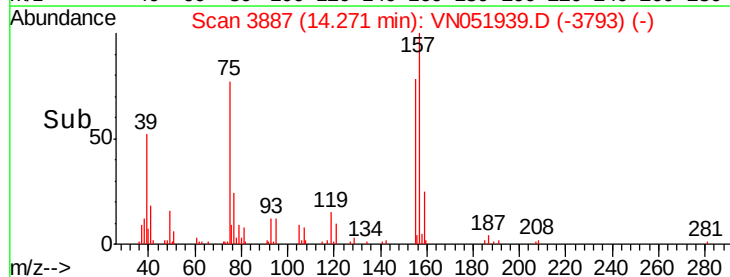
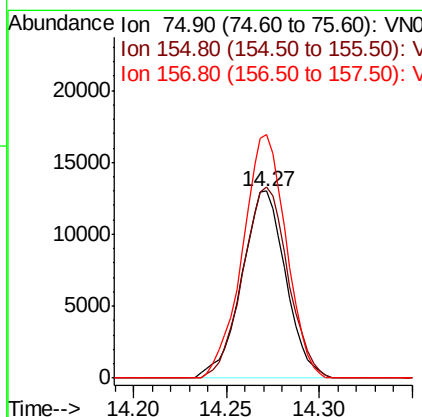
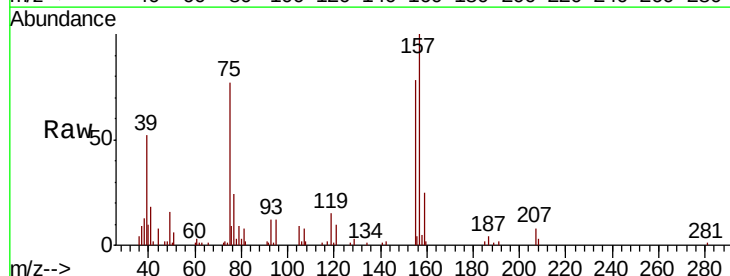
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

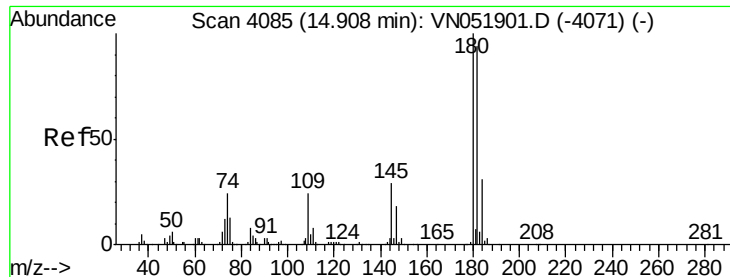
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.6
148	63.7	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.218 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.8	53.4	160.2
157	128.9	69.3	207.9

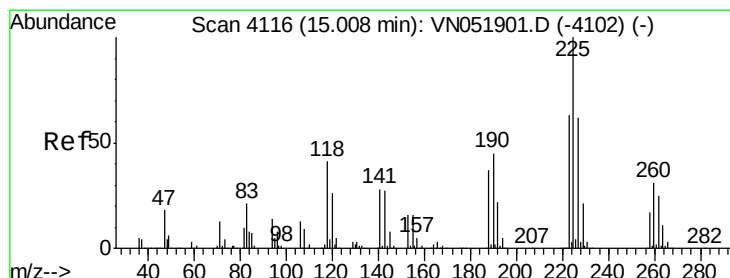
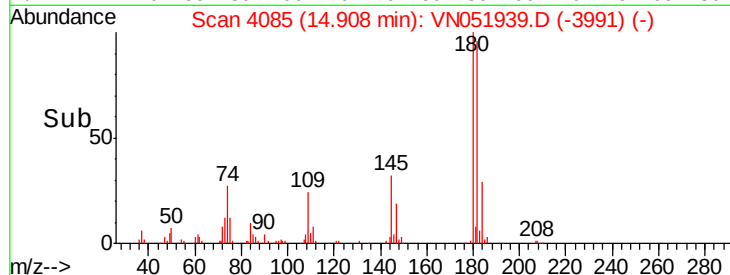
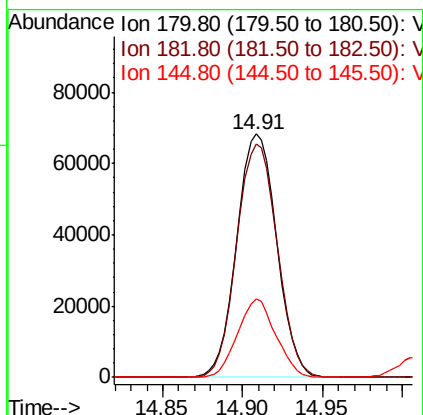
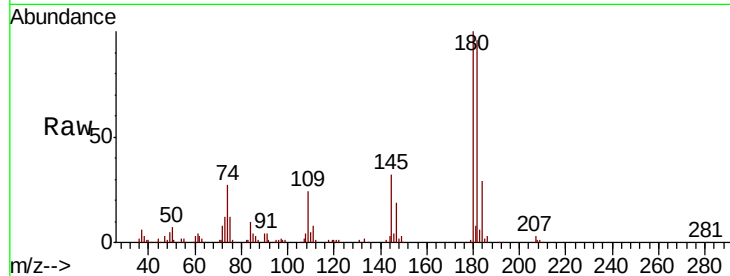




#93
 1,2,4-Trichlorobenzene
 Concen: 16.391 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

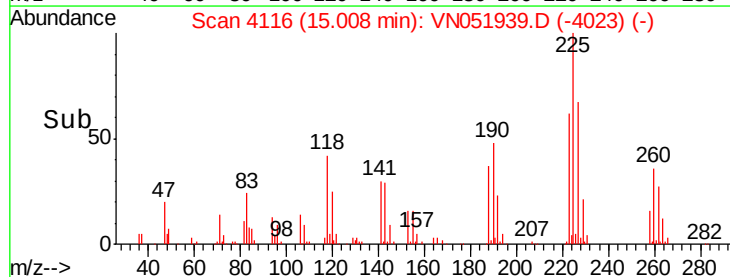
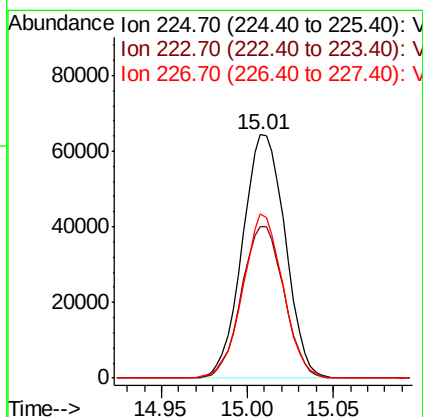
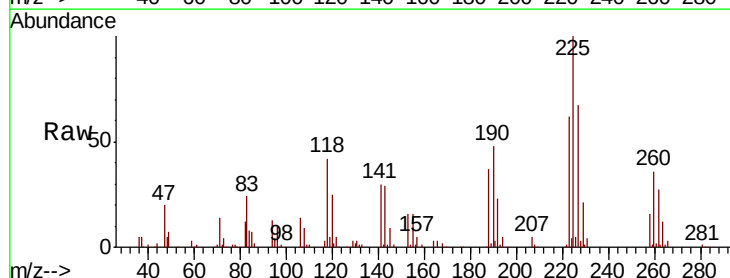
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

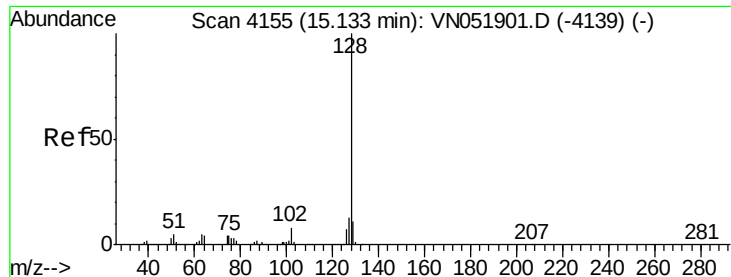
Tot Ion:180 Resp: 116174
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.3 141.9
 145 30.6 14.5 43.5



#94
 Hexachlorobutadiene
 Concen: 20.441 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion:225 Resp: 111154
 Ion Ratio Lower Upper
 225 100
 223 61.8 32.0 96.2
 227 63.3 31.9 95.9





#95

Naphthalene

Concen: 15.597 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

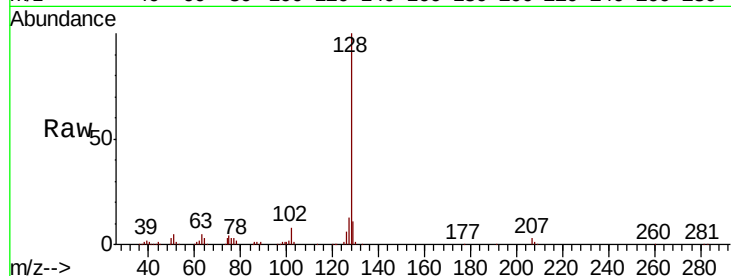
Tot Ion:128 Resp: 219556

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

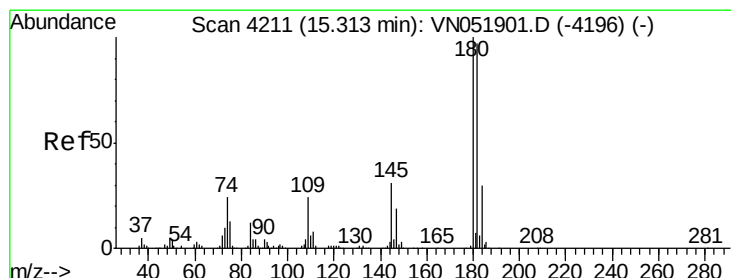
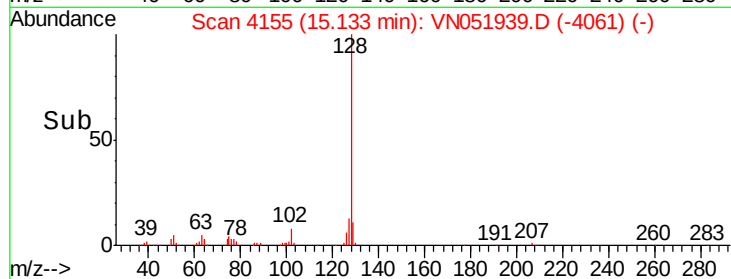
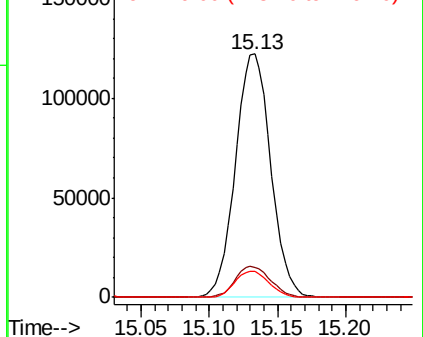
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.550 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

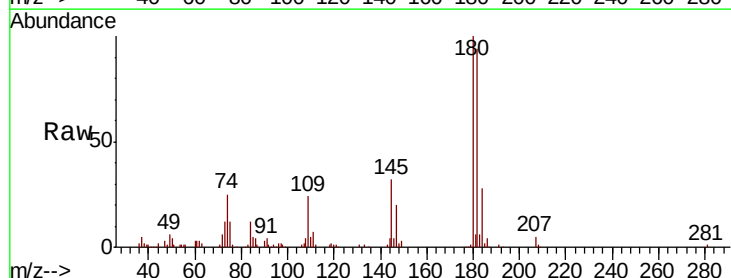
Tgt Ion:180 Resp: 129391

Ion Ratio Lower Upper

180 100

182 93.7 47.9 143.8

145 31.0 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

