

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051722.D
 Acq On : 8 Oct 2018 9:37
 Operator : MD\SY
 Sample : VN1008MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

Quant Time: Oct 09 03:47:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	578749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	854094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	783934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	397242	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	369943	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
35) Dibromofluoromethane	7.59	113	335159	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
50) Toluene-d8	10.09	98	1238587	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.40	95	393842	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	155095	22.085	ug/l	97
3) Chloromethane	2.06	50	137795	20.863	ug/l	99
4) Vinyl Chloride	2.18	62	217039	20.861	ug/l	100
5) Bromomethane	2.57	94	149227	18.651	ug/l	97
6) Chloroethane	2.70	64	143558	20.530	ug/l	100
7) Trichlorofluoromethane	3.01	101	249493	22.284	ug/l	100
8) Diethyl Ether	3.41	74	65866	21.725	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	122968	21.265	ug/l	95
10) Methyl Iodide	3.95	142	127628	18.250	ug/l	99
11) Tert butyl alcohol	4.80	59	52158	100.381	ug/l #	94
12) 1,1-Dichloroethene	3.74	96	112042	20.788	ug/l	92
13) Acrolein	3.61	56	29059	89.517	ug/l	99
14) Allyl chloride	4.33	41	163851	19.932	ug/l	99
15) Acrylonitrile	5.00	53	175717	98.000	ug/l	98
16) Acetone	3.82	43	146272	103.169	ug/l	99
17) Carbon Disulfide	4.05	76	306891	18.733	ug/l	99
18) Methyl Acetate	4.33	43	89917	21.307	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	351097	19.735	ug/l	100
20) Methylene Chloride	4.55	84	123951	19.705	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	122316	19.151	ug/l	95
22) Diisopropyl ether	5.95	45	343571	19.498	ug/l	98
23) Vinyl Acetate	5.90	43	1270561	98.063	ug/l	99
24) 1,1-Dichloroethane	5.85	63	217855	19.223	ug/l	97
25) 2-Butanone	6.84	43	222032	100.569	ug/l	97
26) 2,2-Dichloropropane	6.83	77	219255	19.306	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	143962	19.417	ug/l	97
28) Bromochloromethane	7.20	49	95814	19.097	ug/l	98
29) Tetrahydrofuran	7.22	42	138840	102.478	ug/l	99
30) Chloroform	7.37	83	249311	19.580	ug/l	96
31) Cyclohexane	7.66	56	201726	19.436	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	234526	19.002	ug/l	100
36) 1,1-Dichloropropene	7.80	75	177124	19.840	ug/l	98
37) Ethyl Acetate	6.94	43	101272	21.750	ug/l	98
38) Carbon Tetrachloride	7.78	117	211853	19.777	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	226238	20.188	ug/l	99
40) Benzene	8.04	78	523509	19.781	ug/l	96
41) Methacrylonitrile	7.18	41	52871	21.870	ug/l	96
42) 1,2-Dichloroethane	8.13	62	180379	20.224	ug/l	99
43) Isopropyl Acetate	8.17	43	207229	21.347	ug/l #	88
44) Trichloroethene	8.84	130	154261	20.528	ug/l	99
45) 1,2-Dichloropropane	9.12	63	130130	19.888	ug/l	98
46) Dibromomethane	9.21	93	91229	20.059	ug/l	99
47) Bromodichloromethane	9.40	83	199056	19.882	ug/l	99
48) Methyl methacrylate	9.20	41	92241	20.795	ug/l	99
49) 1,4-Dioxane	9.20	88	27713	416.651	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	533924	108.541	ug/l	97
52) Toluene	10.16	92	340554	19.347	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	193732	18.753	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	211199	19.252	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	126201	20.126	ug/l	96
56) Ethyl methacrylate	10.43	69	158087	19.936	ug/l	94
57) 1,3-Dichloropropane	10.71	76	200247	20.178	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	318716	97.116	ug/l	99
59) 2-Hexanone	10.75	43	341534	102.234	ug/l	98
60) Dibromochloromethane	10.90	129	157055	19.140	ug/l	98
61) 1,2-Dibromoethane	11.01	107	131955	19.906	ug/l	98
64) Tetrachloroethene	10.63	164	145355	21.017	ug/l	98
65) Chlorobenzene	11.44	112	383027	19.728	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	149743	19.262	ug/l	97
67) Ethyl Benzene	11.51	91	671355	20.006	ug/l	99
68) m/p-Xylenes	11.62	106	526177	39.187	ug/l	100
69) o-Xylene	11.95	106	262877	19.963	ug/l	99
70) Styrene	11.97	104	395106	18.830	ug/l	99
71) Bromoform	12.13	173	106709	18.454	ug/l #	100
73) Isopropylbenzene	12.25	105	698224	20.619	ug/l	100
74) N-amyl acetate	12.07	43	160066	20.965	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	152030	20.903	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	185910	36.562	ug/l #	100
77) Bromobenzene	12.53	156	164220	19.834	ug/l	99
78) n-propylbenzene	12.59	91	758739	20.543	ug/l	99
79) 2-Chlorotoluene	12.67	91	442667	20.336	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	584141	20.470	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	41090	19.014	ug/l	92
82) 4-Chlorotoluene	12.77	91	435653	19.923	ug/l	99
83) tert-Butylbenzene	12.99	119	533585	20.867	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	589054	20.608	ug/l	100
85) sec-Butylbenzene	13.17	105	708755	20.954	ug/l	99
86) p-Isopropyltoluene	13.29	119	617296	20.586	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	290401	20.128	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	277434	19.536	ug/l	99
89) n-Butylbenzene	13.62	91	472559	19.932	ug/l	99
90) Hexachloroethane	13.88	117	124103	20.744	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	279011	19.453	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24911	20.942	ug/l	95

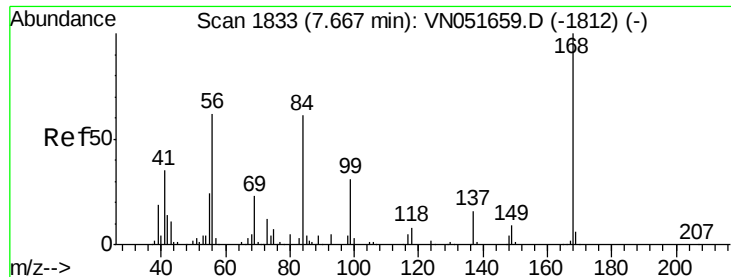
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
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Quant Title : SW846 8260
QLast Update : Fri Oct 05 02:22:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	110481	17.311	ug/l	99
94) Hexachlorobutadiene	15.01	225	89649	20.703	ug/l	99
95) Naphthalene	15.13	128	224477	16.288	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	114547	18.224	ug/l	97

(#) = 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: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

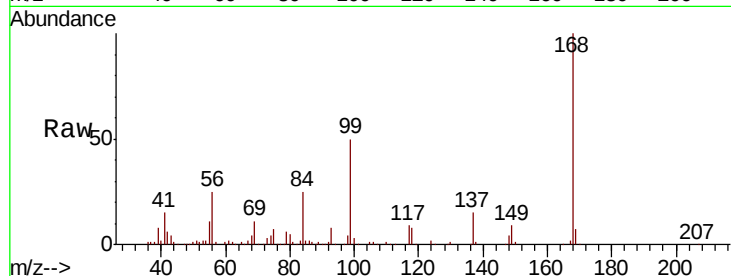
VN1008MBS01

Tot Ion:168 Resp: 578749

Ion Ratio Lower Upper

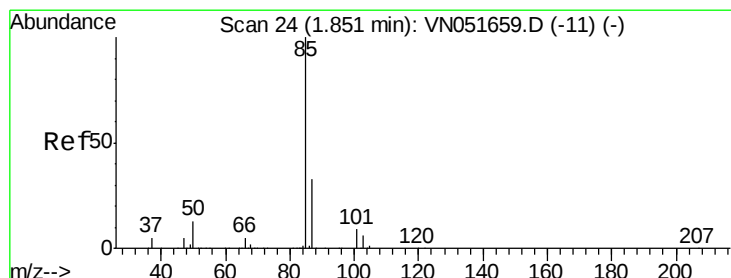
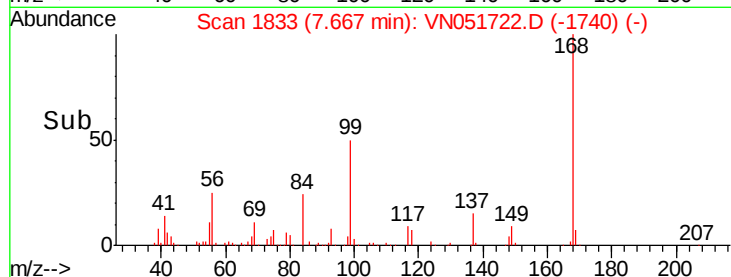
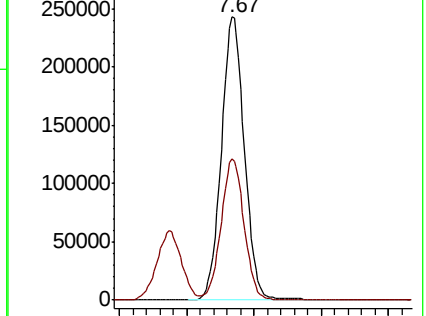
168 100

99 49.8 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 22.085 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051722.D

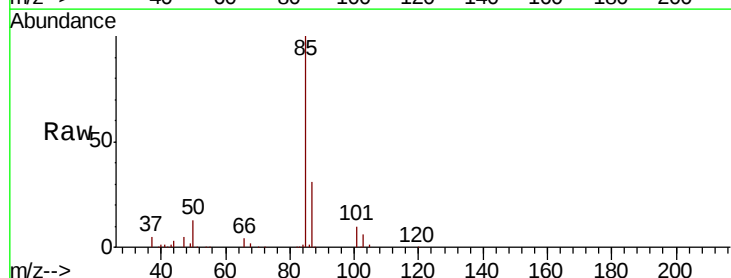
Acq: 8 Oct 2018 9:37

Tgt Ion: 85 Resp: 155095

Ion Ratio Lower Upper

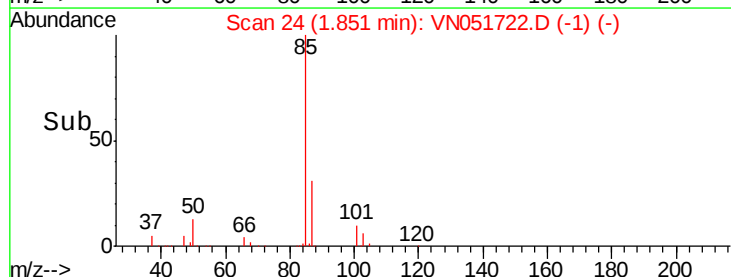
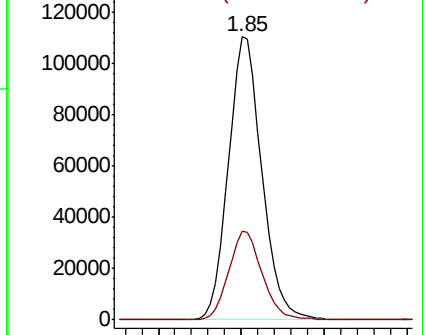
85 100

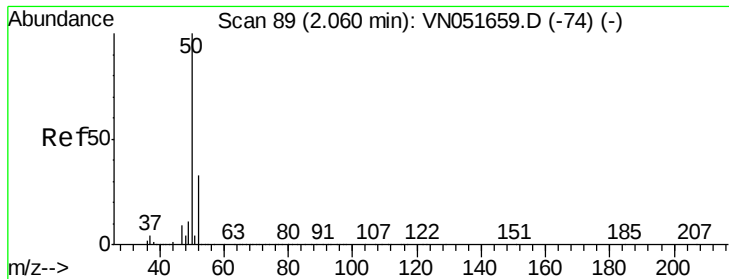
87 31.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 20.863 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

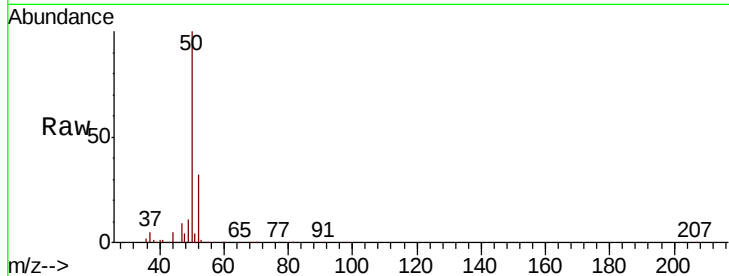
VN1008MBS01

Tot Ion: 50 Resp: 137795

Ion Ratio Lower Upper

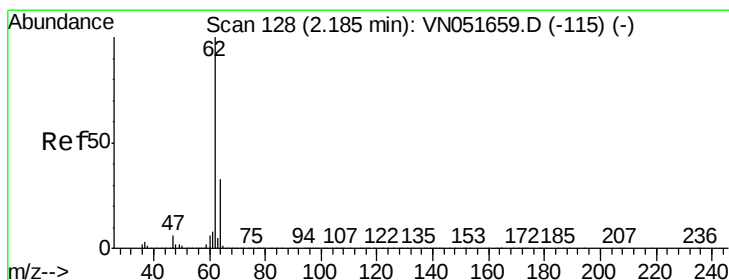
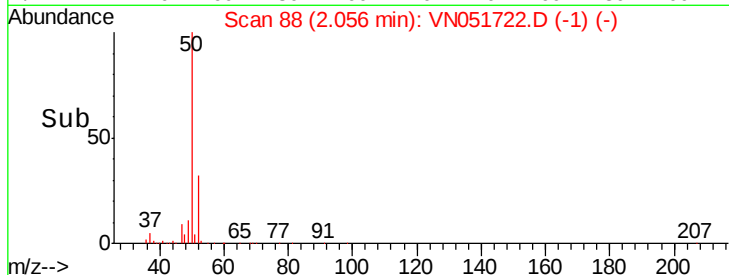
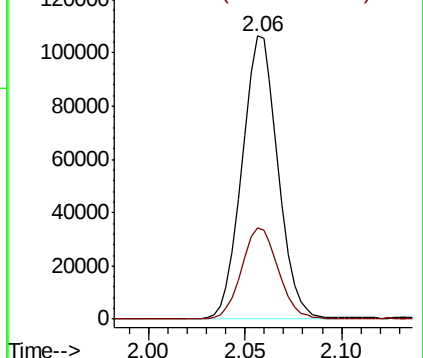
50 100

52 32.4 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.861 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051722.D

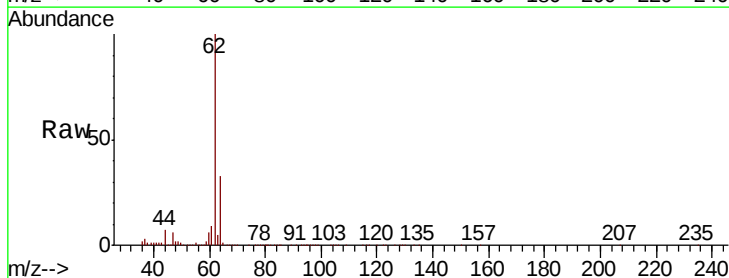
Acq: 8 Oct 2018 9:37

Tgt Ion: 62 Resp: 217039

Ion Ratio Lower Upper

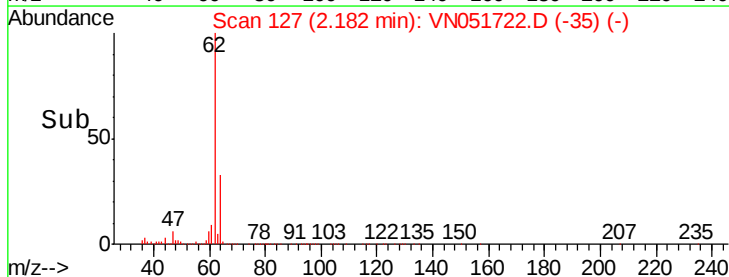
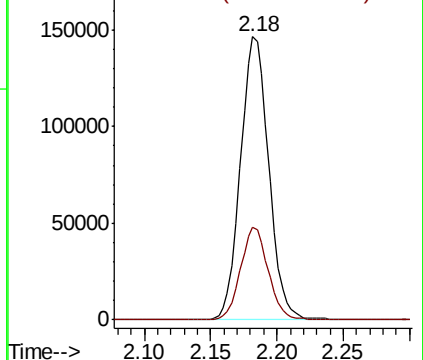
62 100

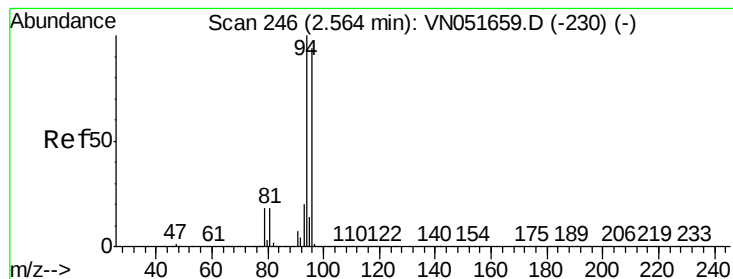
64 32.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 18.651 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

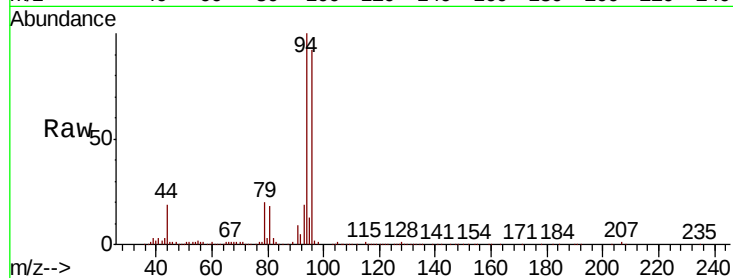
VN1008MBS01

Tot Ion: 94 Resp: 149227

Ion Ratio Lower Upper

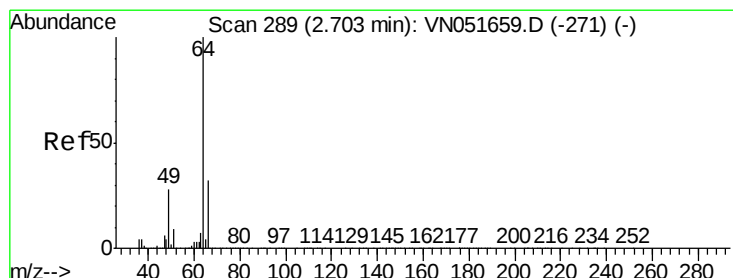
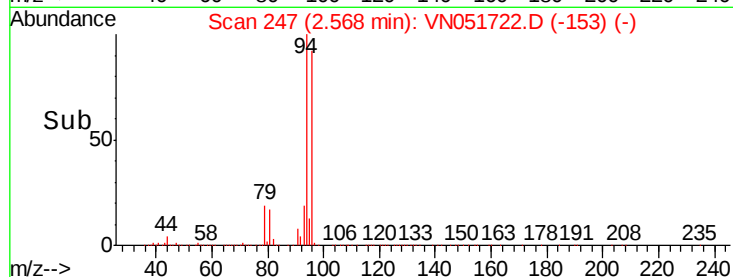
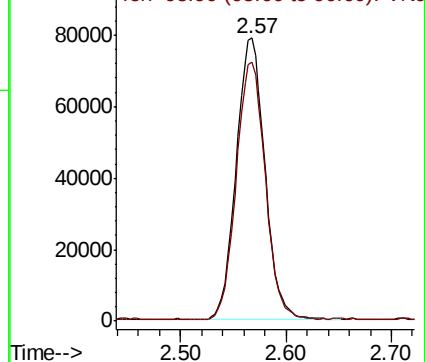
94 100

96 91.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.530 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051722.D

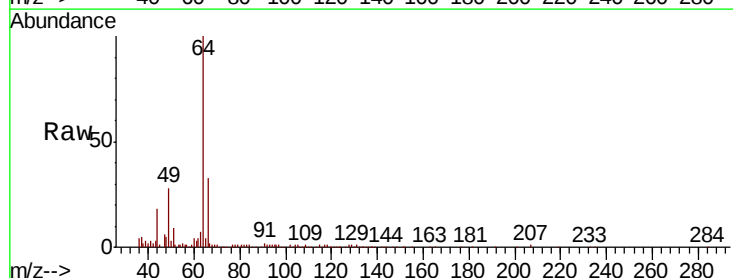
Acq: 8 Oct 2018 9:37

Tgt Ion: 64 Resp: 143558

Ion Ratio Lower Upper

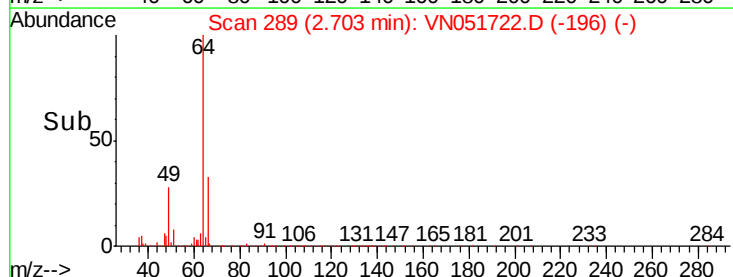
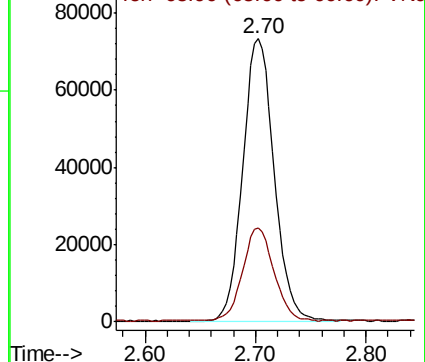
64 100

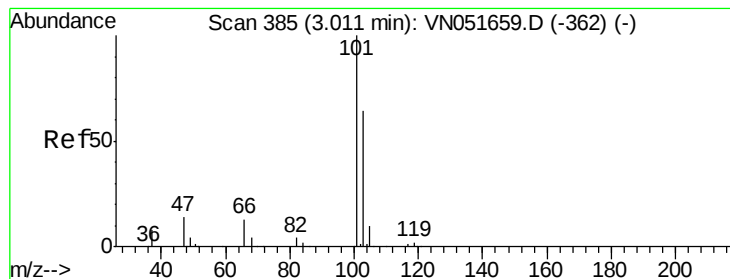
66 32.7 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



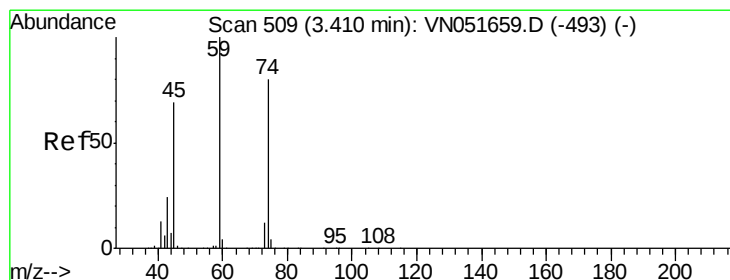
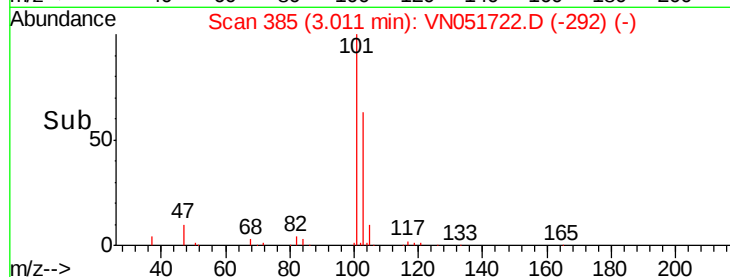
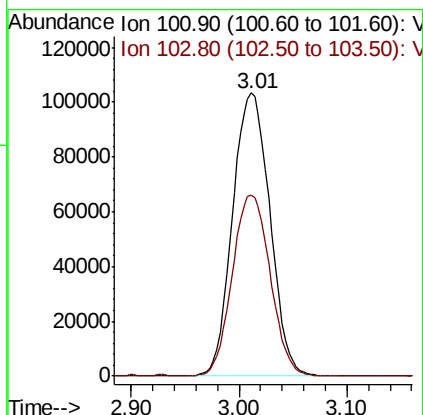
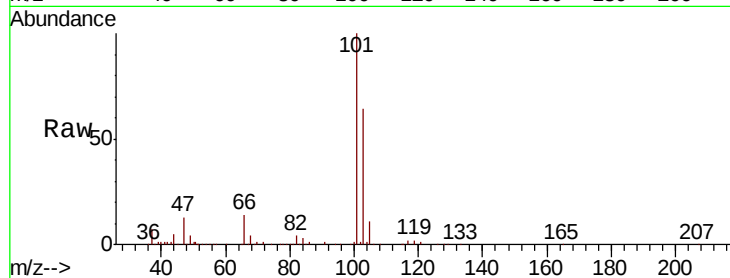


#7

Trichlorofluoromethane
 Concen: 22.284 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

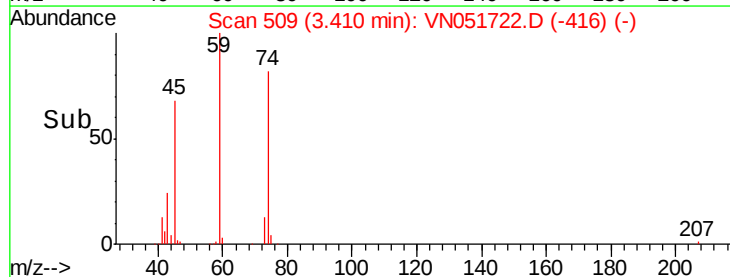
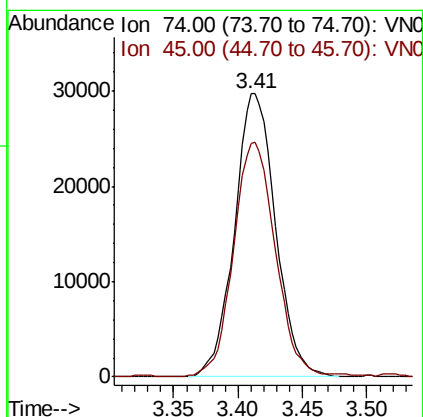
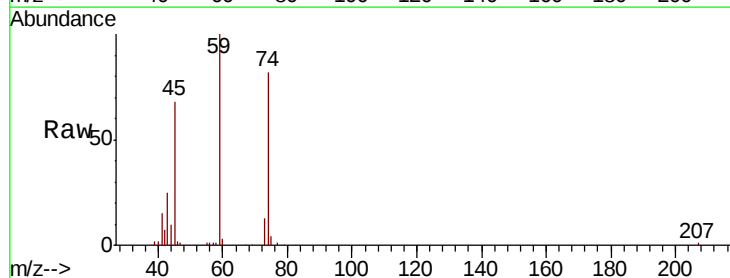
Tot Ion:101 Resp: 249493
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.1 76.7

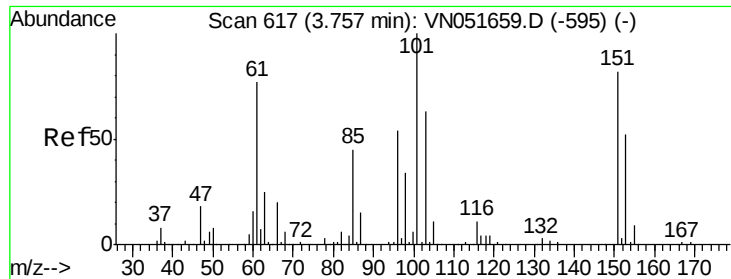


#8

Diethyl Ether
 Concen: 21.725 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion: 74 Resp: 65866
 Ion Ratio Lower Upper
 74 100
 45 84.3 44.3 132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.265 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN1008MBS01

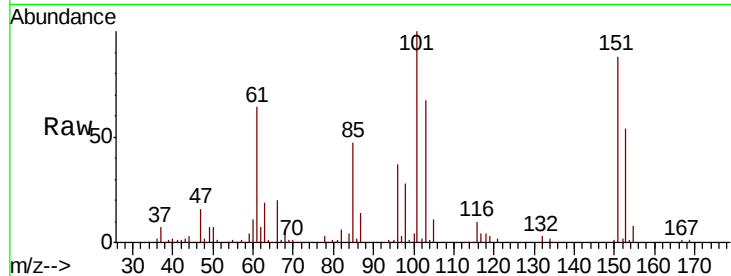
Tot Ion:101 Resp: 122968

Ion Ratio Lower Upper

101 100

85 46.7 35.6 53.4

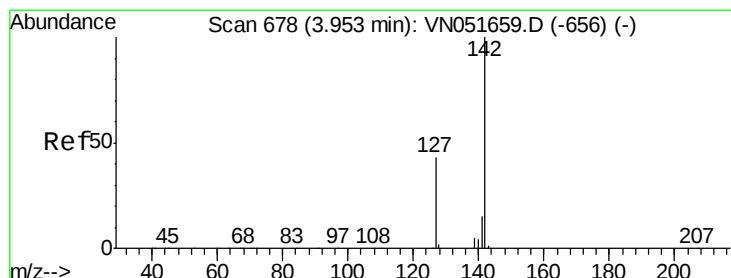
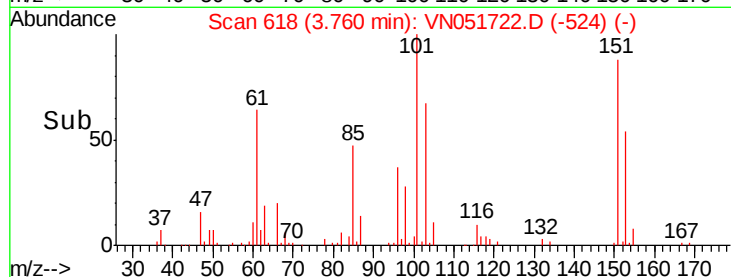
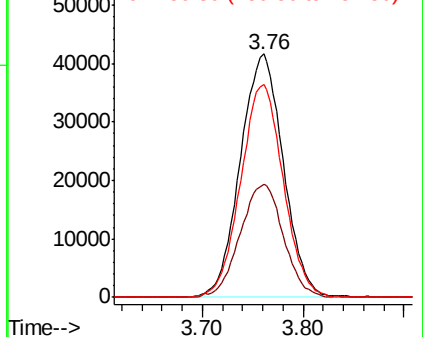
151 86.7 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.250 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

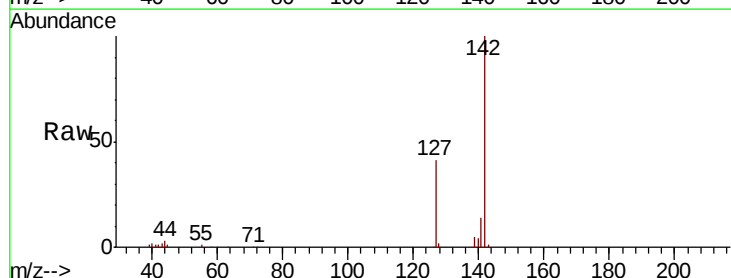
Tgt Ion:142 Resp: 127628

Ion Ratio Lower Upper

142 100

127 43.8 34.7 52.1

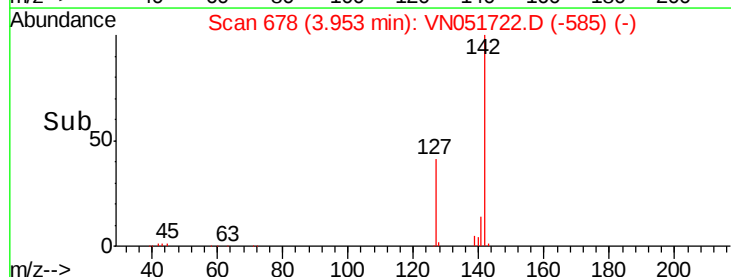
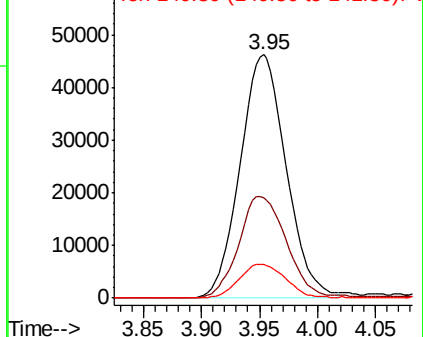
141 14.1 11.4 17.2

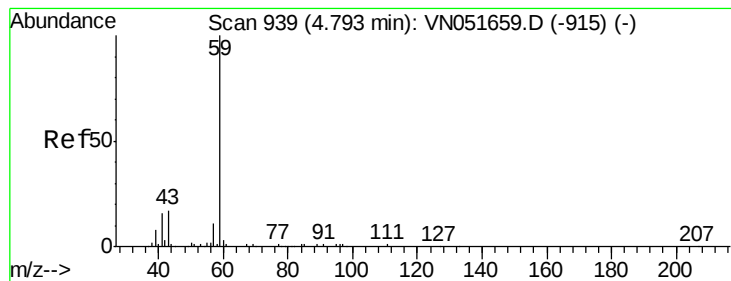


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



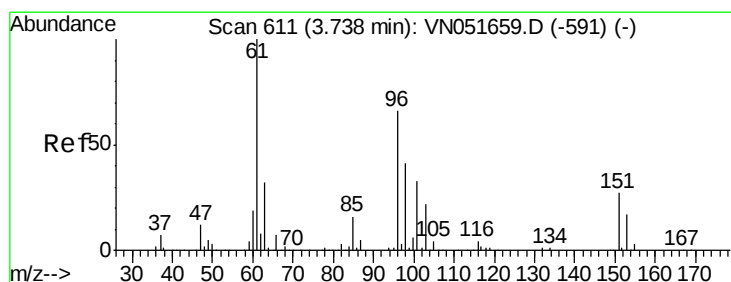
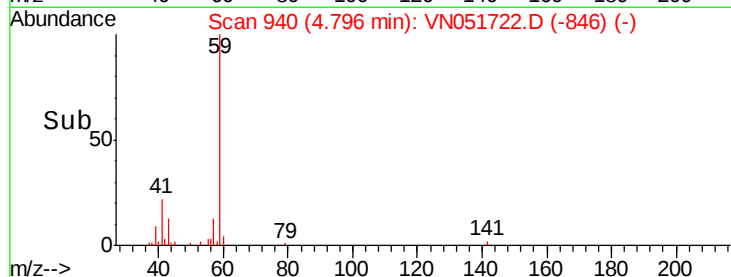
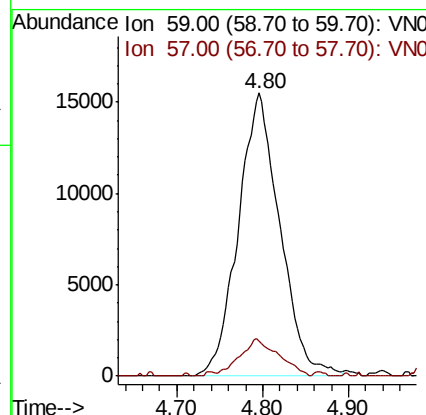
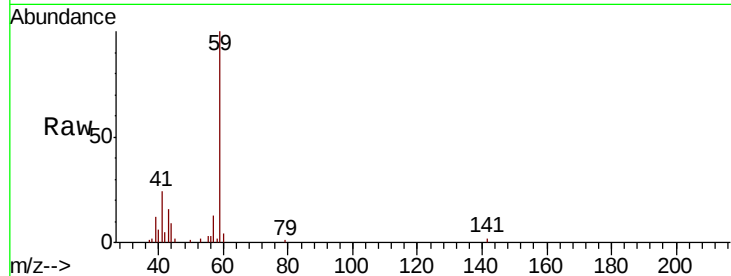


#11

Tert butyl alcohol
Concen: 100.381 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

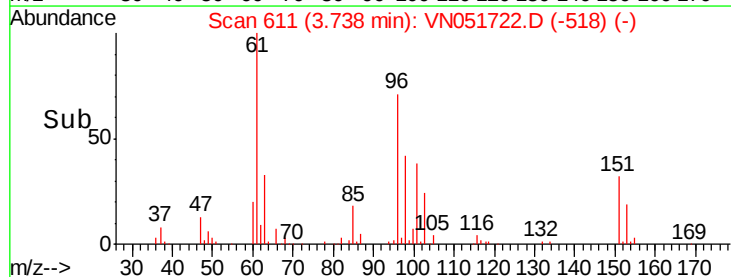
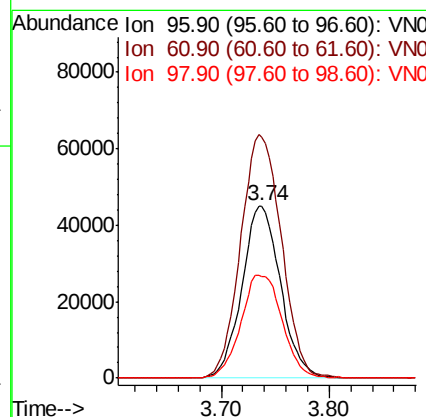
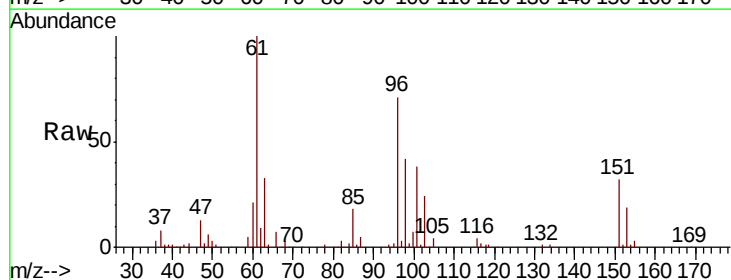
Tot Ion: 59 Resp: 52158
Ion Ratio Lower Upper
59 100
57 12.3 8.1 12.1#



#12

1,1-Dichloroethene
Concen: 20.788 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion: 96 Resp: 112042
Ion Ratio Lower Upper
96 100
61 140.0 121.4 182.0
98 58.9 49.9 74.9





#13

Acrolein

Concen: 89.517 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

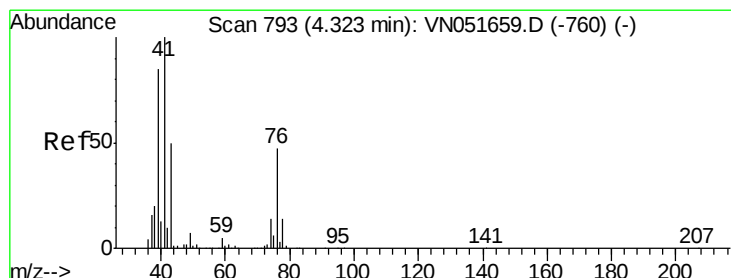
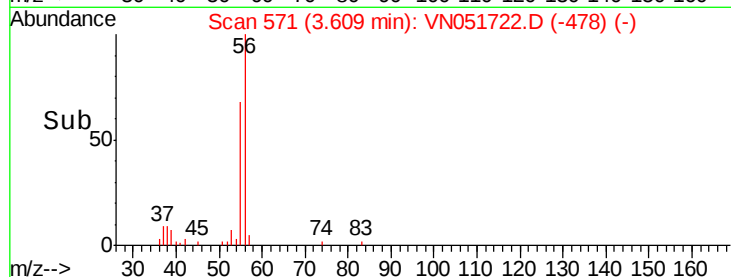
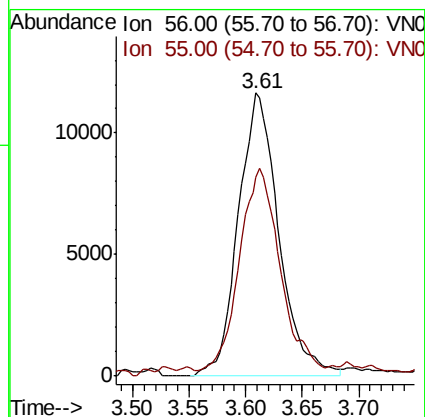
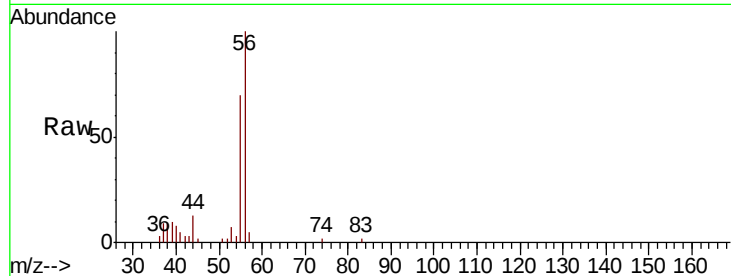
VN1008MBS01

Tot Ion: 56 Resp: 29059

Ion Ratio Lower Upper

56 100

55 71.0 57.5 86.3



#14

Allyl chloride

Concen: 19.932 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

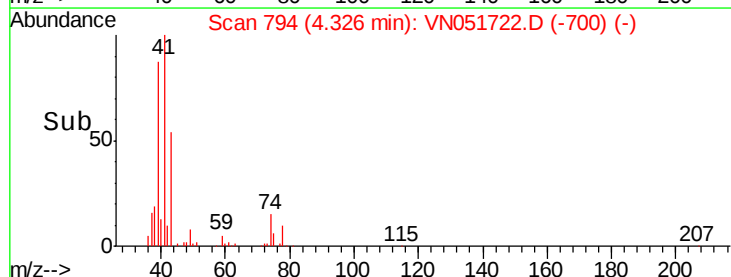
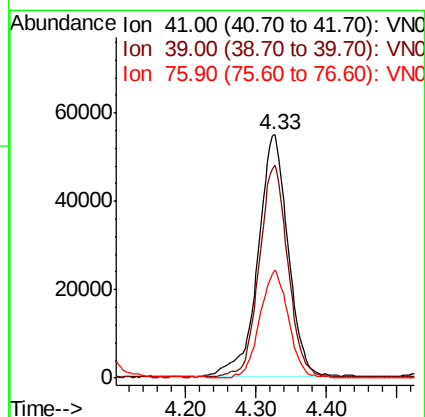
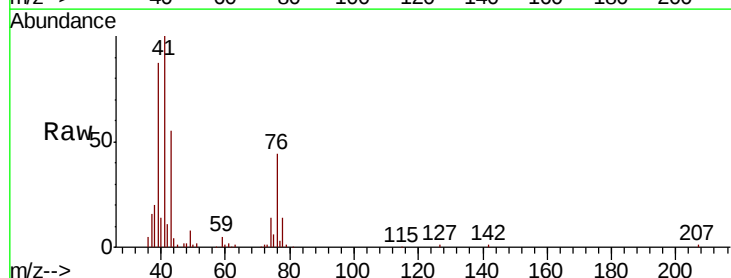
Tgt Ion: 41 Resp: 163851

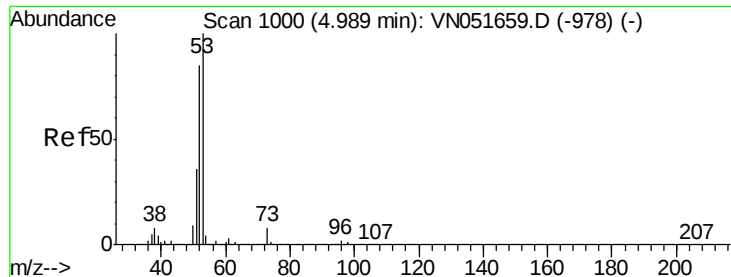
Ion Ratio Lower Upper

41 100

39 82.4 65.4 98.0

76 42.0 34.3 51.5





#15

Acrylonitrile

Concen: 98.000 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

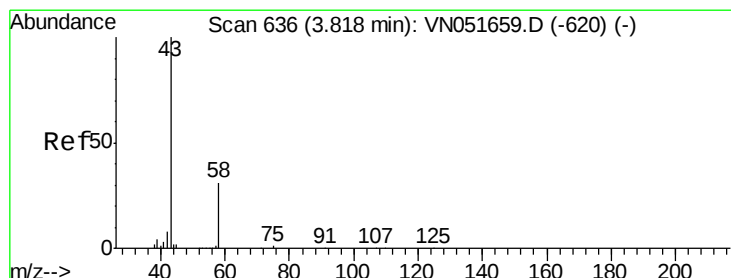
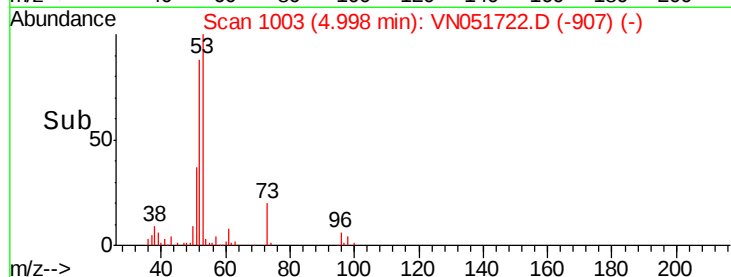
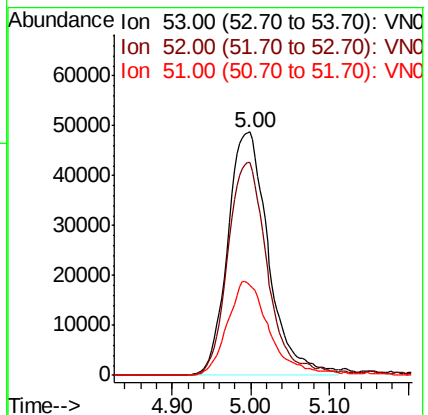
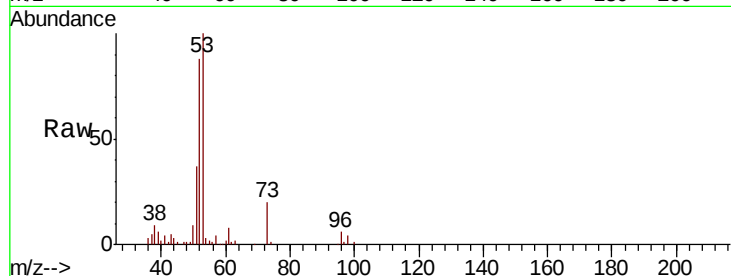
Tot Ion: 53 Resp: 175717

Ion Ratio Lower Upper

53 100

52 85.1 66.2 99.2

51 39.1 30.3 45.5



#16

Acetone

Concen: 103.169 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051722.D

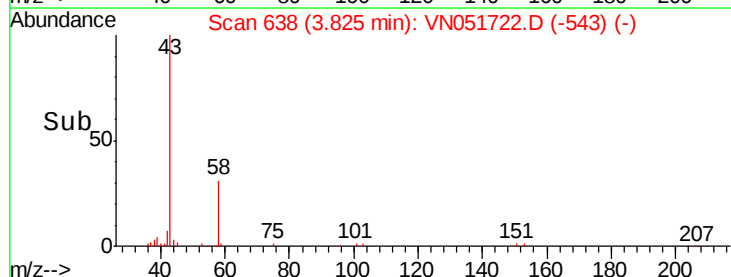
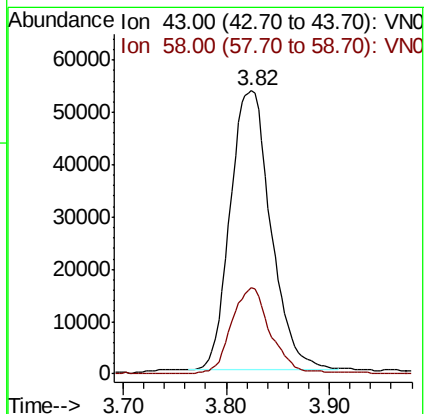
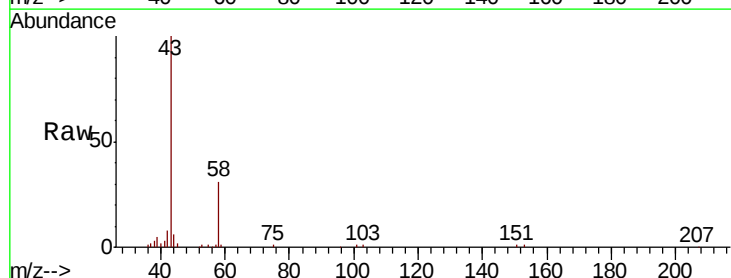
Acq: 8 Oct 2018 9:37

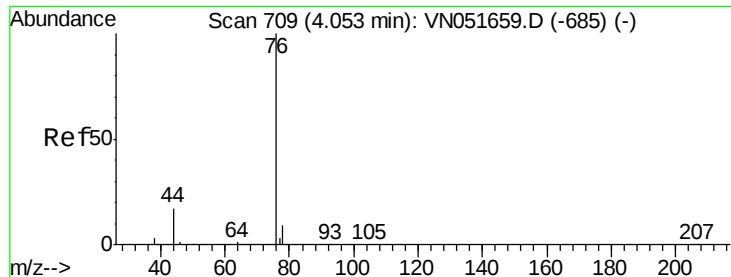
Tgt Ion: 43 Resp: 146272

Ion Ratio Lower Upper

43 100

58 31.0 24.3 36.5

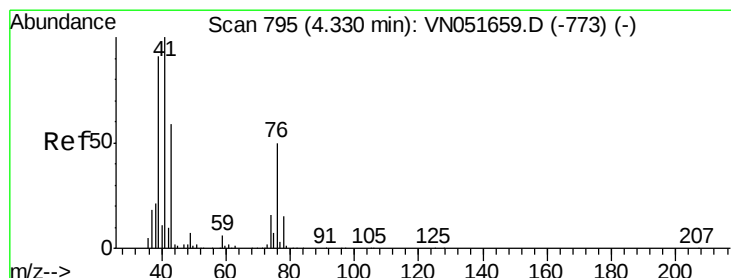
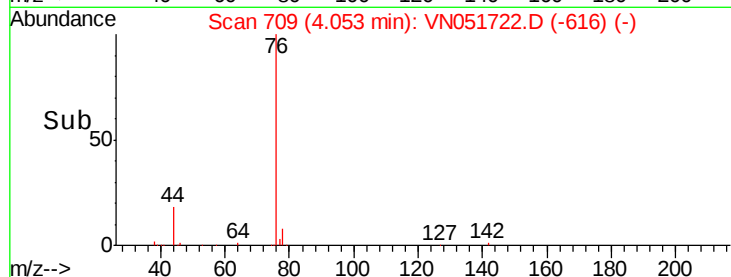
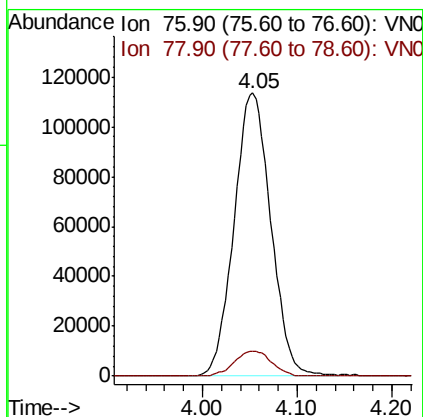
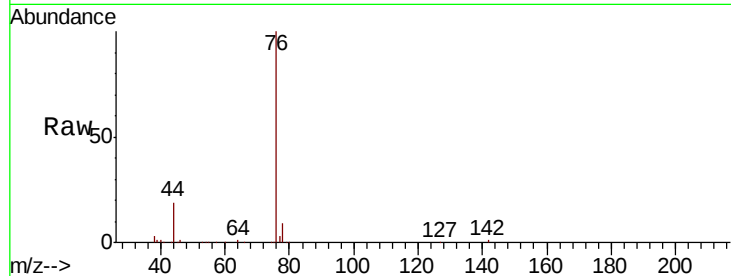




#17
Carbon Disulfide
Concen: 18.733 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

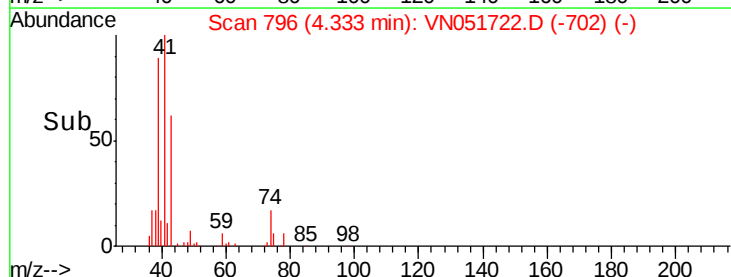
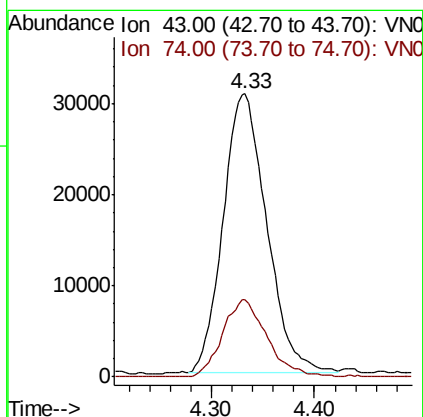
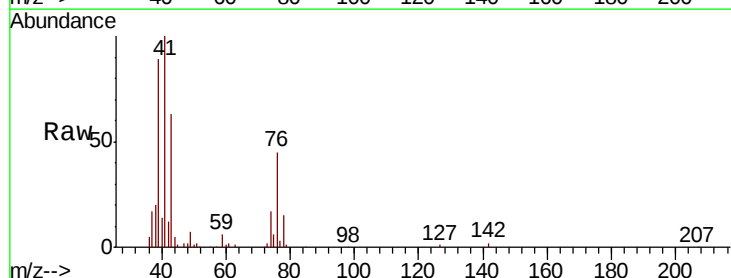
Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

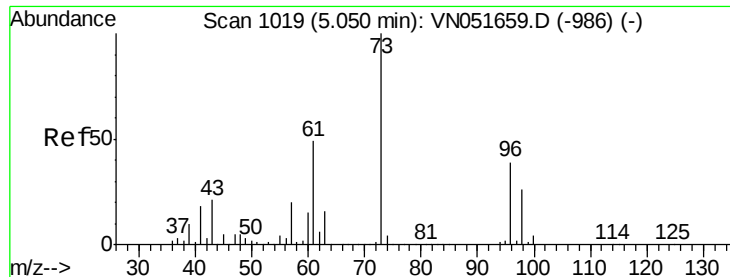
Tot Ion: 76 Resp: 306891
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8



#18
Methyl Acetate
Concen: 21.307 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion: 43 Resp: 89917
Ion Ratio Lower Upper
43 100
74 28.2 21.5 32.3

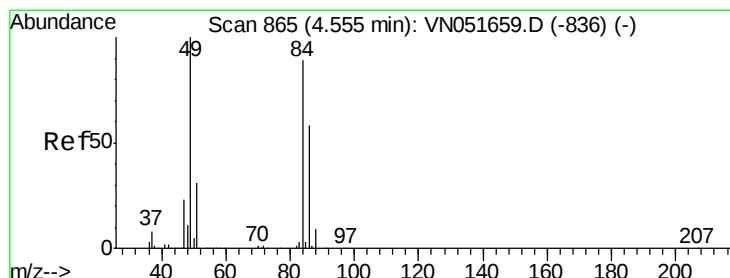
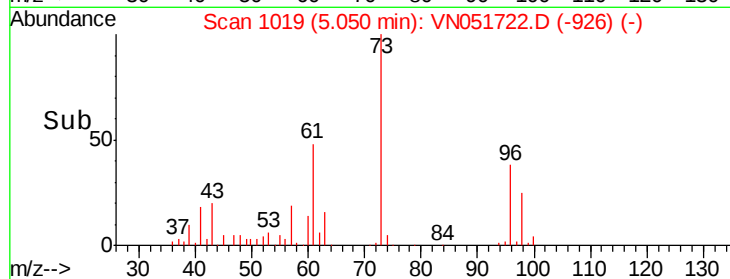
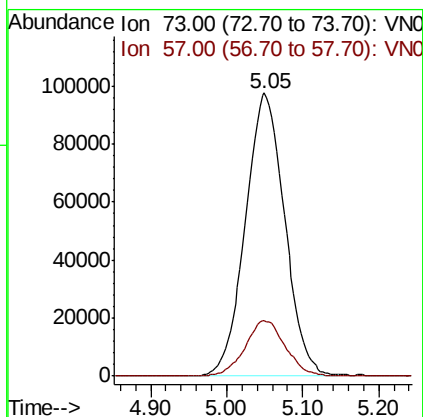
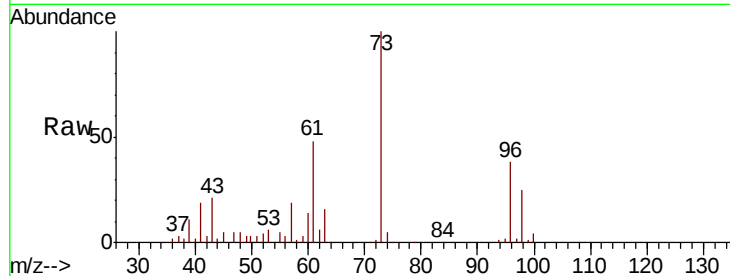




#19
Methvl tert-butvl Ether
Concen: 19.735 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

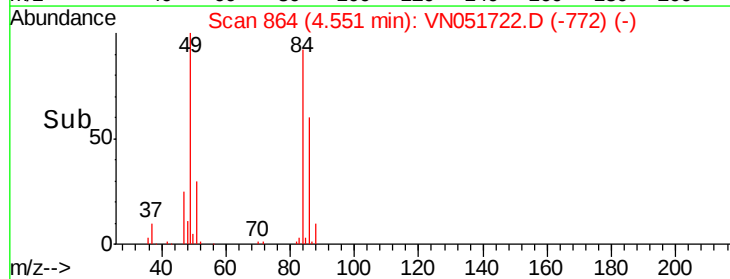
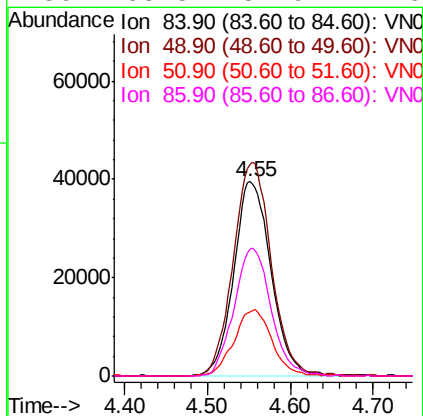
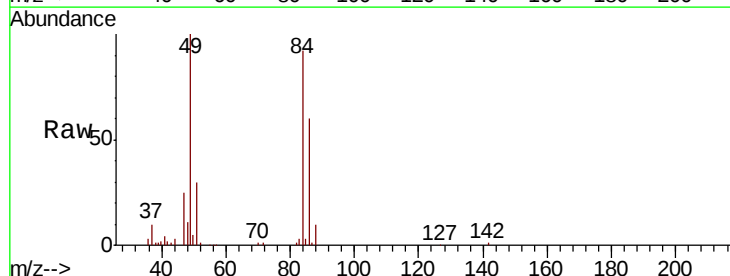
Instrument :
MSVOA_N
ClientSampled :
VN1008MBS01

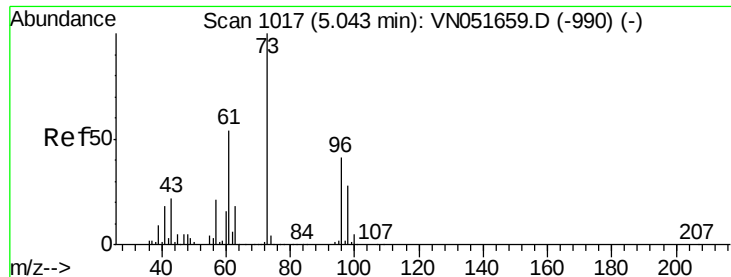
Tot Ion: 73 Resp: 351097
Ion Ratio Lower Upper
73 100
57 19.4 15.6 23.4



#20
Methylene Chloride
Concen: 19.705 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion: 84 Resp: 123951
Ion Ratio Lower Upper
84 100
49 108.4 89.5 134.3
51 32.8 27.4 41.0
86 65.5 51.9 77.9

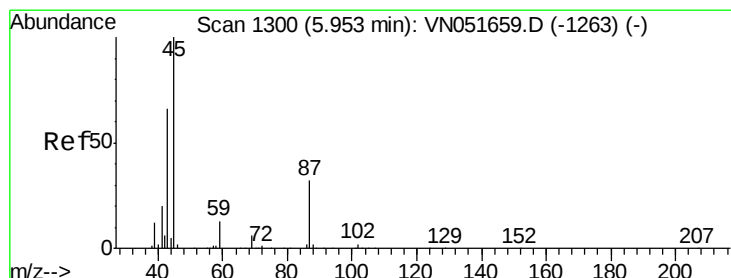
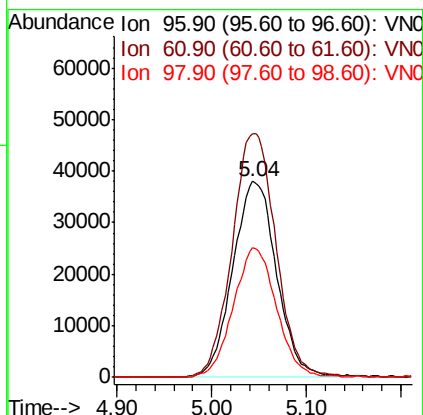
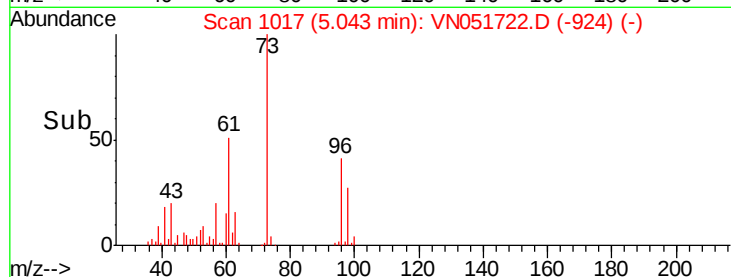
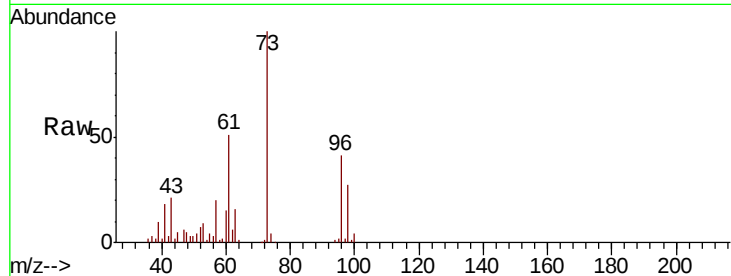




#21
trans-1,2-Dichloroethene
Concen: 19.151 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

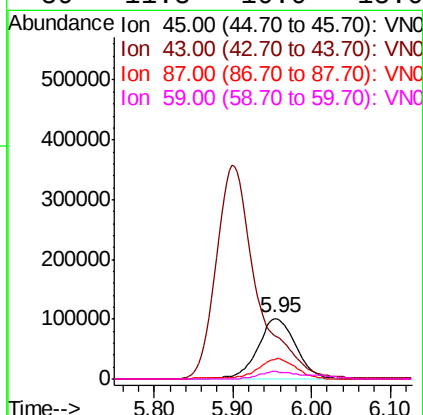
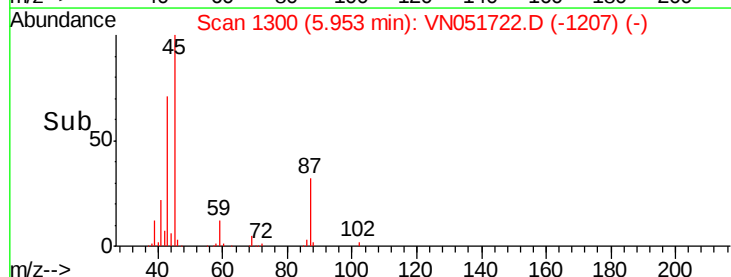
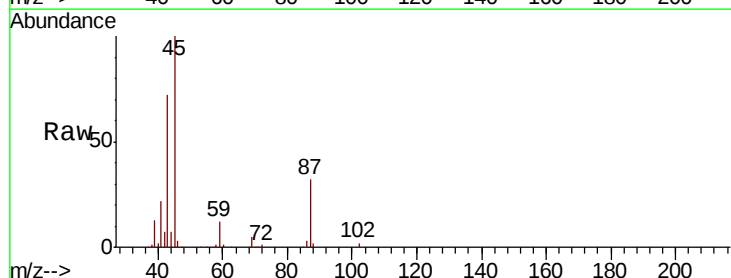
Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

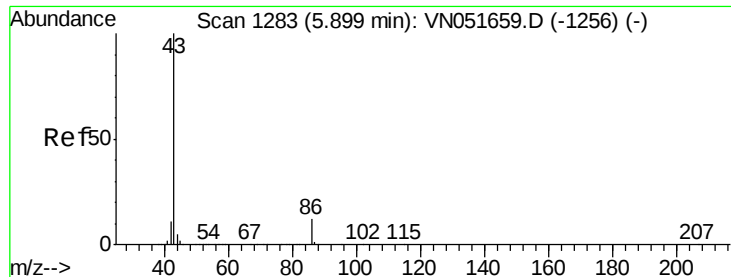
Tot Ion: 96 Resp: 122316
Ion Ratio Lower Upper
96 100
61 123.7 104.7 157.1
98 66.1 54.6 82.0



#22
Diisopropyl ether
Concen: 19.498 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion: 45 Resp: 343571
Ion Ratio Lower Upper
45 100
43 68.1 53.0 79.4
87 32.1 26.4 39.6
59 11.8 10.0 15.0





#23

Vinyl Acetate

Concen: 98.063 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

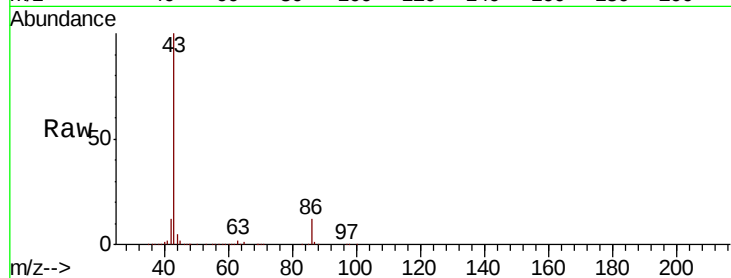
VN1008MBS01

Tot Ion: 43 Resp: 1270561

Ion Ratio Lower Upper

43 100

86 11.8 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN051659.D (-1256) (-)

5.90

400000

300000

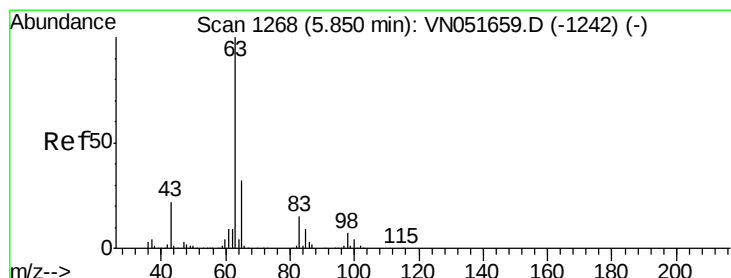
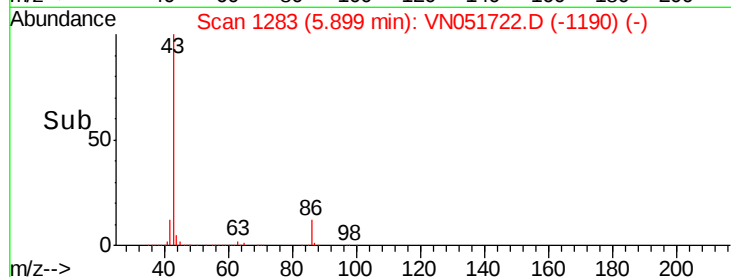
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.223 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

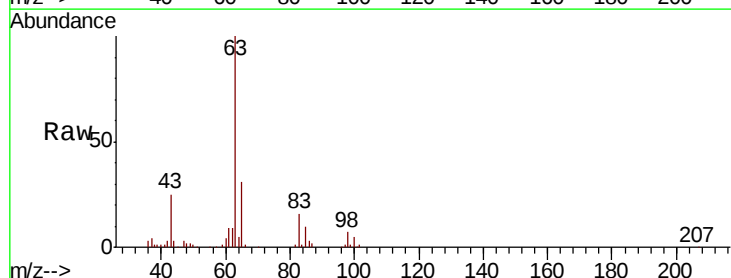
Tgt Ion: 63 Resp: 217855

Ion Ratio Lower Upper

63 100

98 7.5 3.3 9.9

100 5.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN051659.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN051659.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN051659.D (-1242) (-)

80000

60000

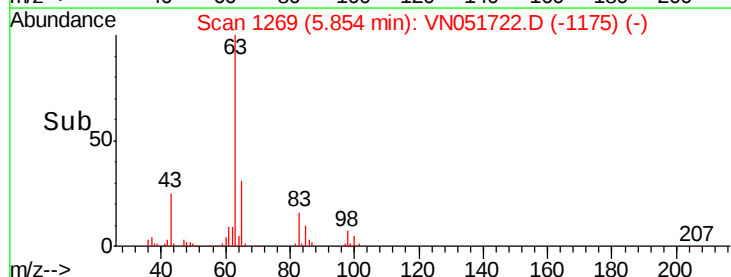
40000

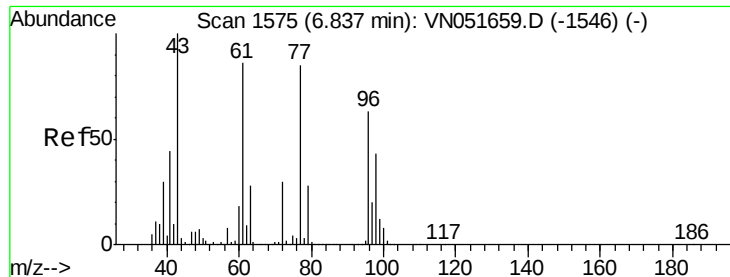
20000

0

5.70 5.80 5.90 6.00

Time-->

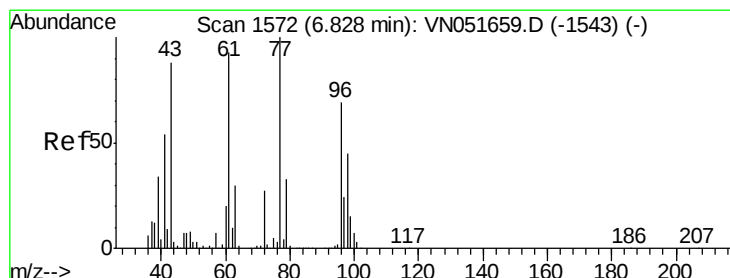
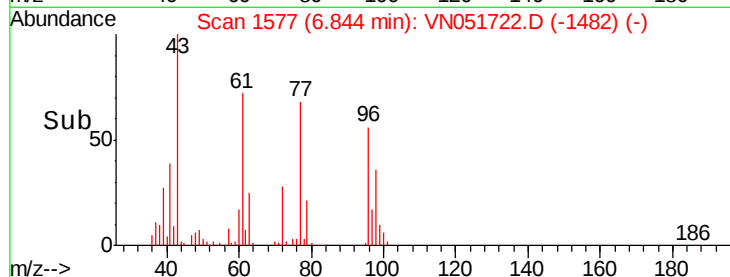
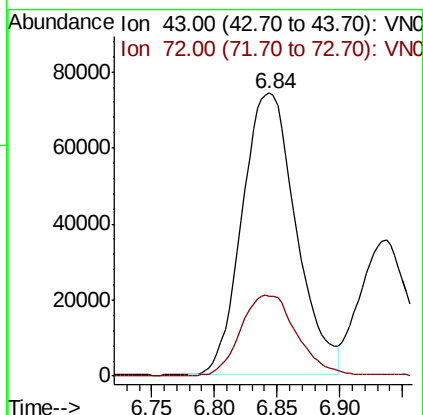
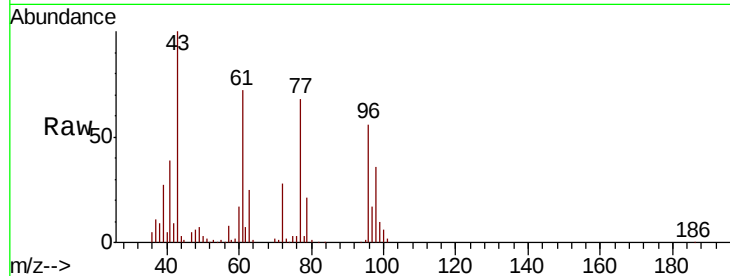




#25
2-Butanone
Concen: 100.569 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

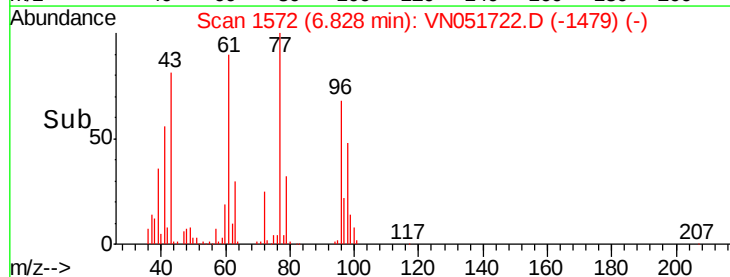
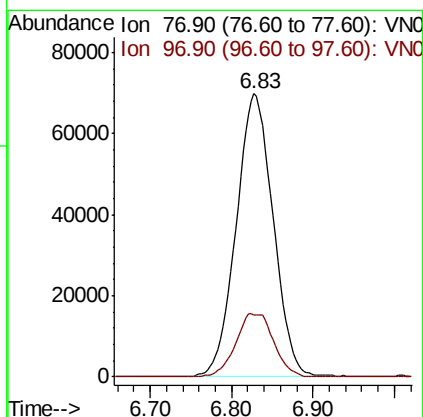
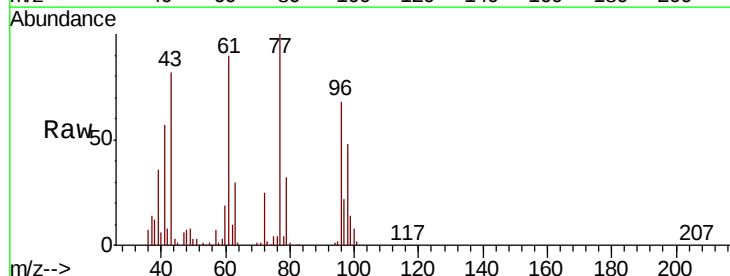
Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

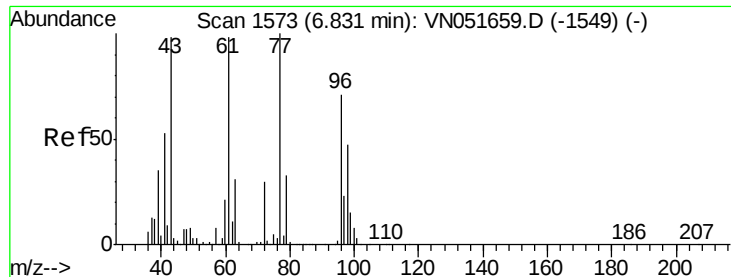
Tot Ion: 43 Resp: 222032
Ion Ratio Lower Upper
43 100
72 28.4 24.2 36.2



#26
2,2-Dichloropropane
Concen: 19.306 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion: 77 Resp: 219255
Ion Ratio Lower Upper
77 100
97 22.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 19.417 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

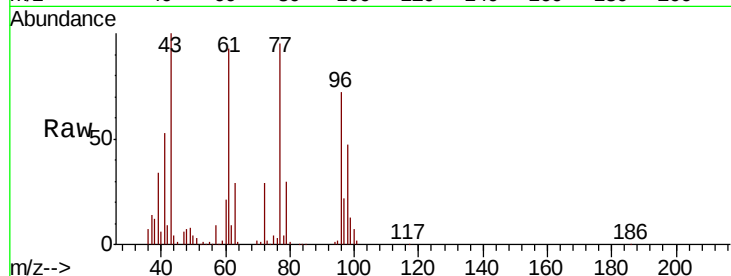
Tot Ion: 96 Resp: 143962

Ion Ratio Lower Upper

96 100

61 133.1 0.0 275.4

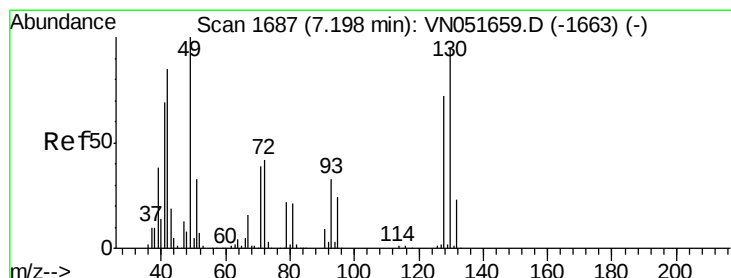
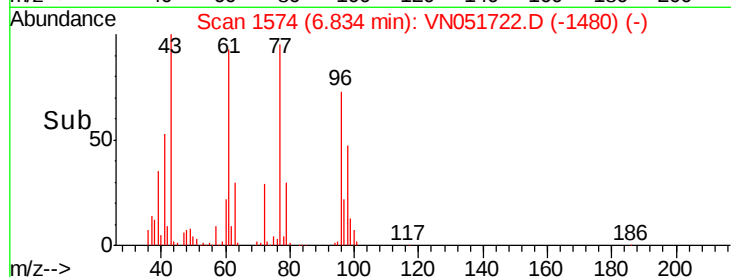
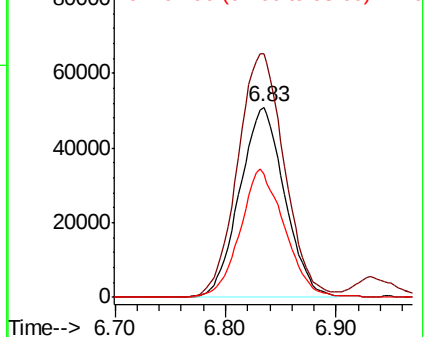
98 66.4 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN051659.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN051659.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN051659.D (-1549) (-)



#28

Bromochloromethane

Concen: 19.097 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

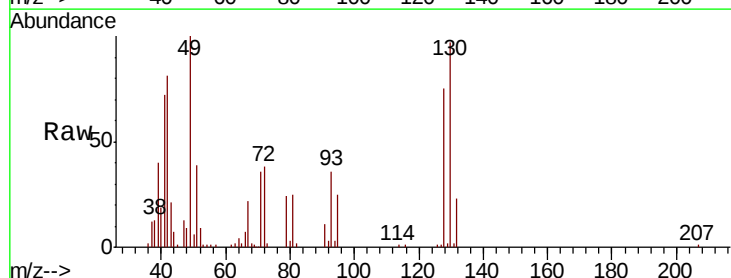
Tgt Ion: 49 Resp: 95814

Ion Ratio Lower Upper

49 100

129 2.6 0.0 4.8

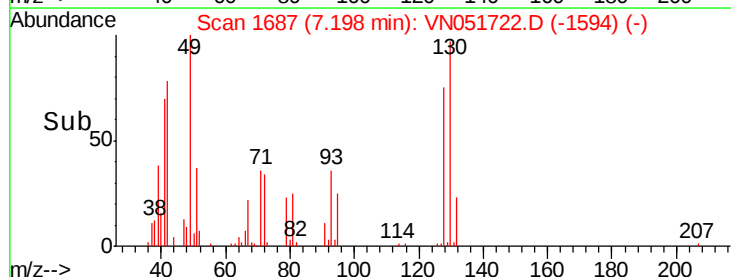
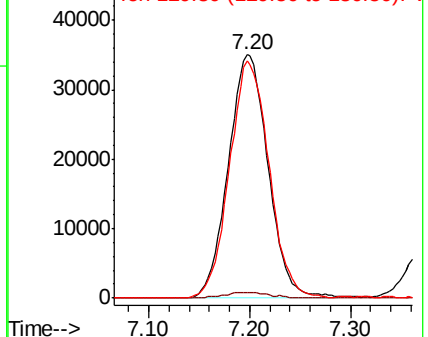
130 96.8 75.7 113.5



Abundance Ion 48.90 (48.60 to 49.60): VN051659.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN051659.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN051659.D (-1663) (-)

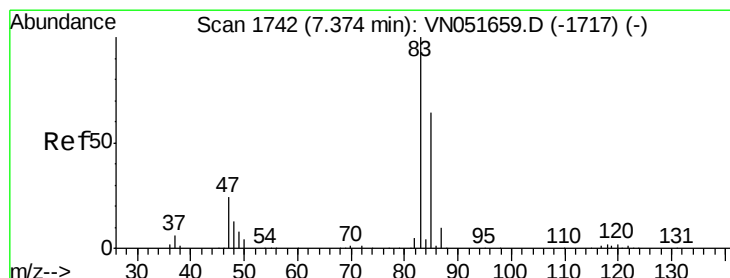
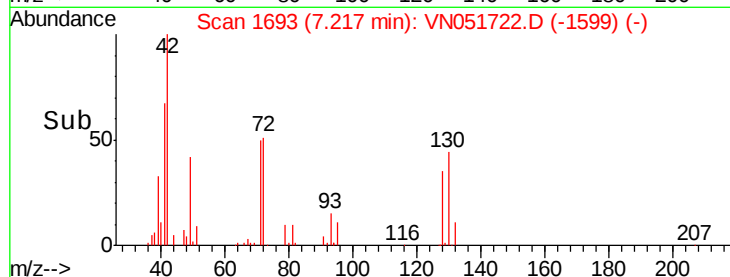
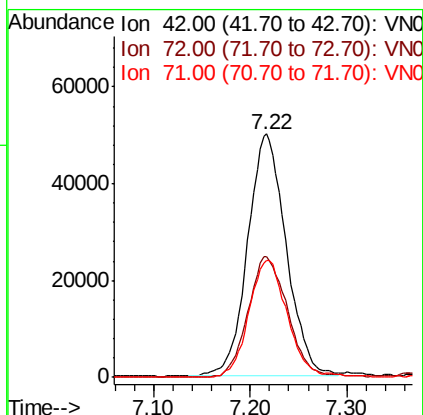
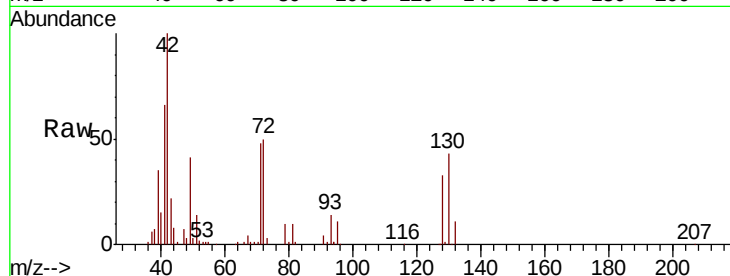




#29
Tetrahydrofuran
Concen: 102.478 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

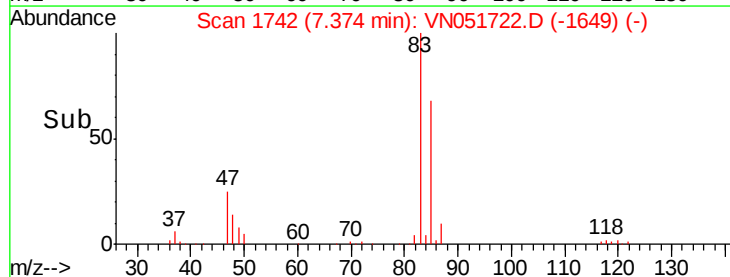
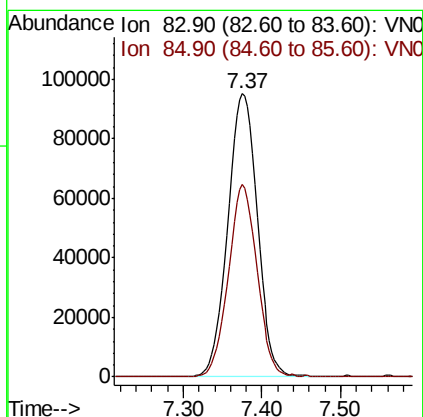
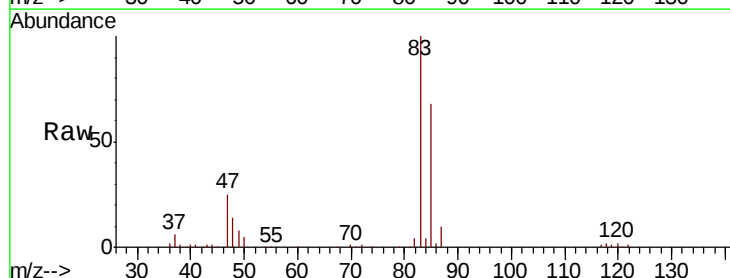
Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

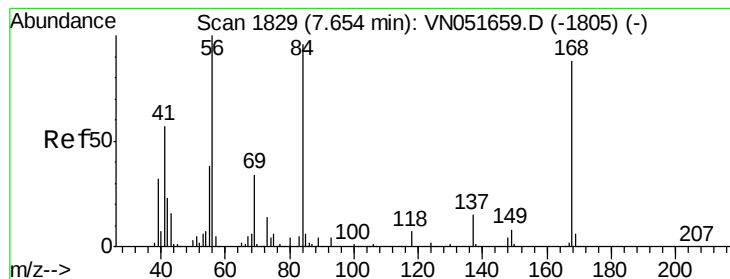
Tot Ion: 42 Resp: 138840
Ion Ratio Lower Upper
42 100
72 51.5 40.1 60.1
71 47.7 38.0 57.0



#30
Chloroform
Concen: 19.580 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion: 83 Resp: 249311
Ion Ratio Lower Upper
83 100
85 67.9 51.6 77.4





#31

Cvclohexane

Concen: 19.436 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

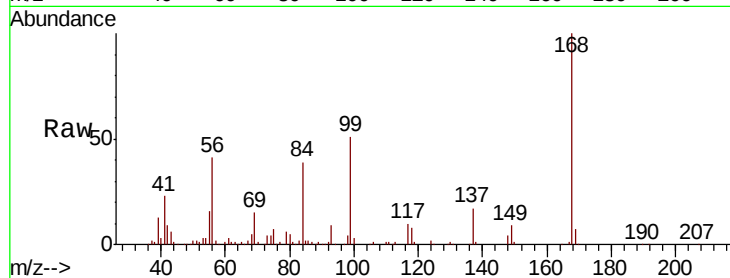
Tot Ion: 56 Resp: 201726

Ion Ratio Lower Upper

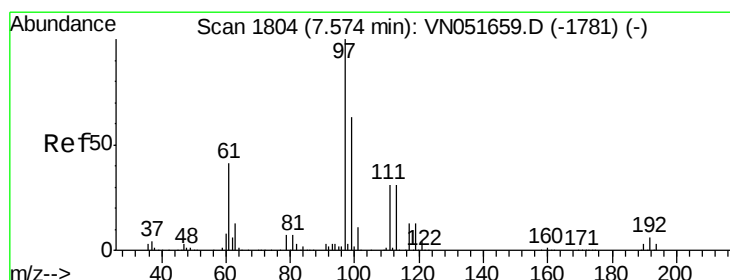
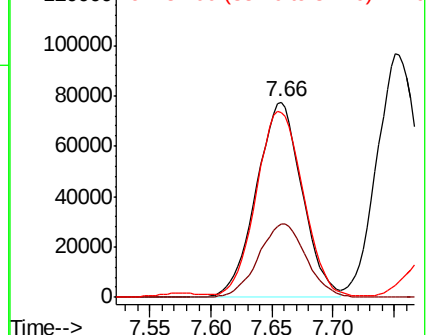
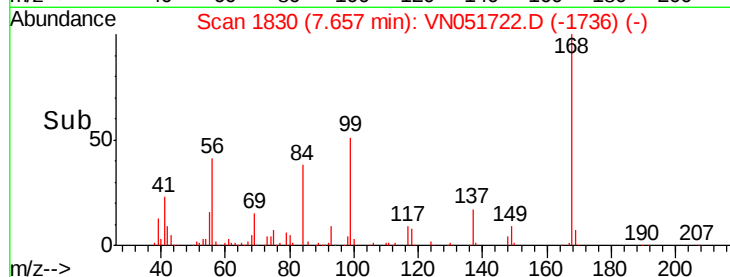
56 100

69 37.8 27.5 41.3

84 92.9 76.7 115.1



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 19.002 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

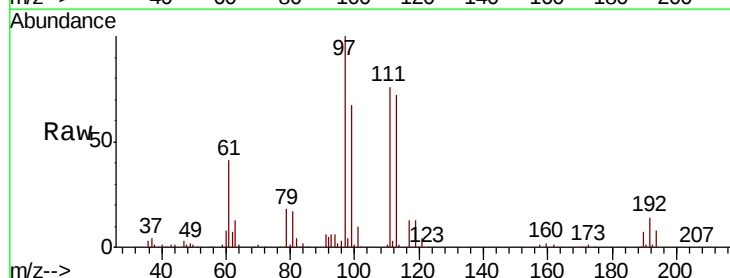
Tgt Ion: 97 Resp: 234526

Ion Ratio Lower Upper

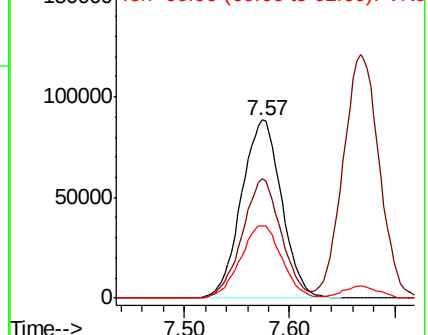
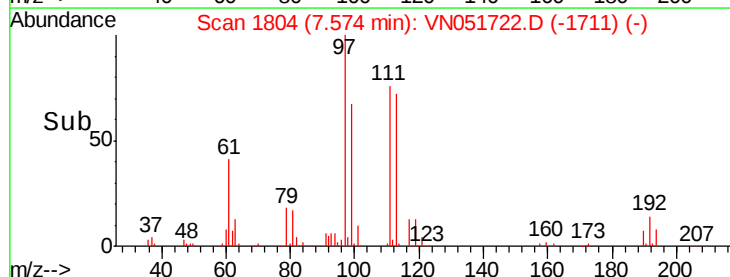
97 100

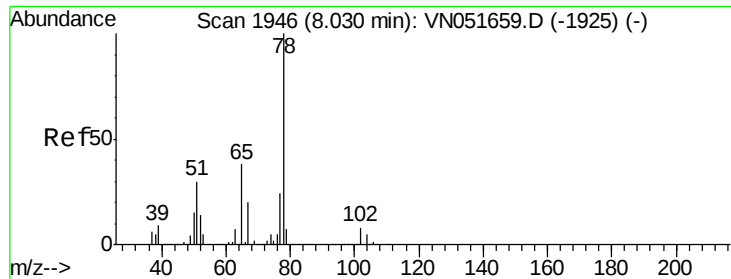
99 64.6 51.9 77.9

61 41.9 33.4 50.0



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

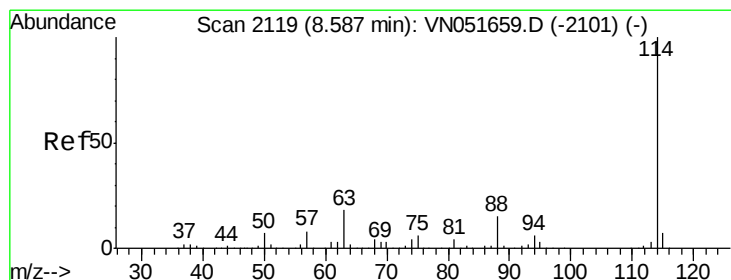
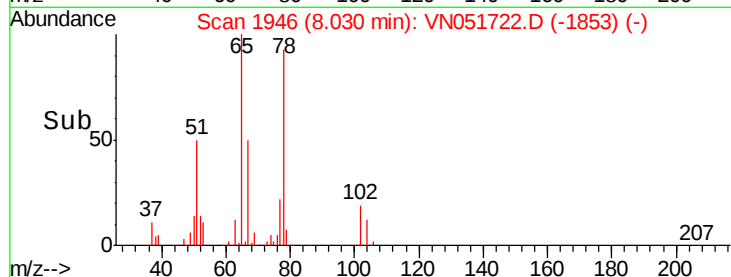
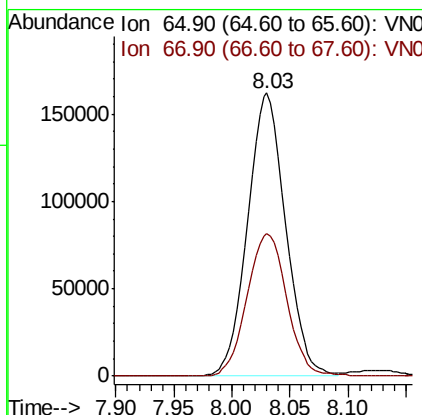
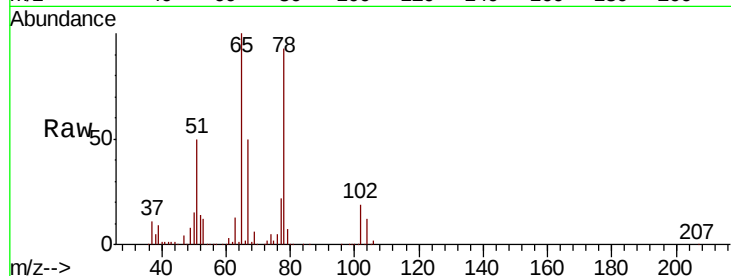




#33
 1,2-Dichloroethane-d4
 Concen: 19.002 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

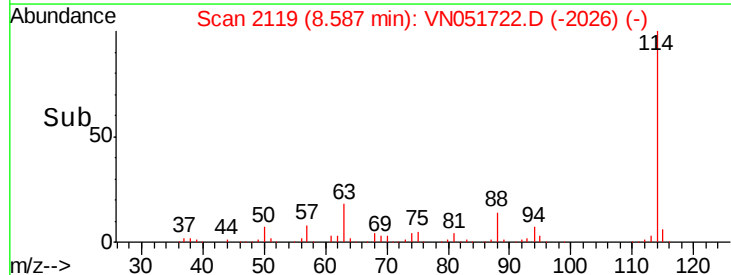
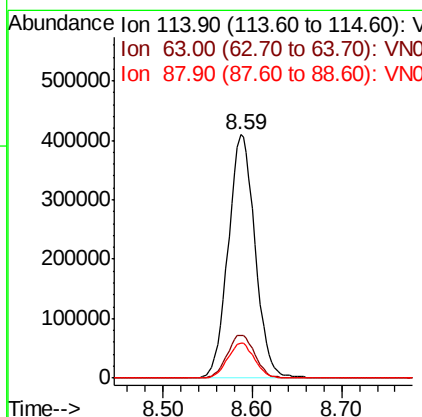
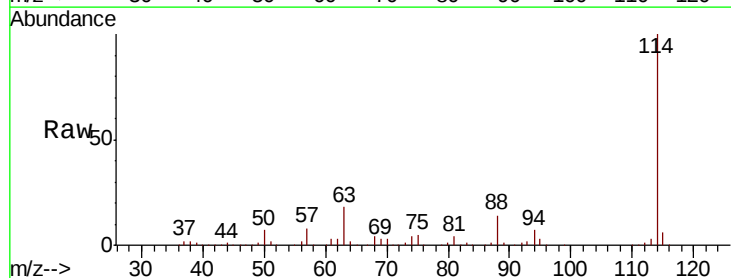
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

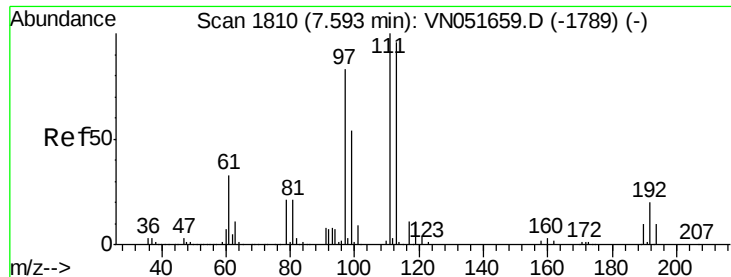
Tot Ion: 65 Resp: 369943
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion: 114 Resp: 854094
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.2
 88 14.4 0.0 30.2

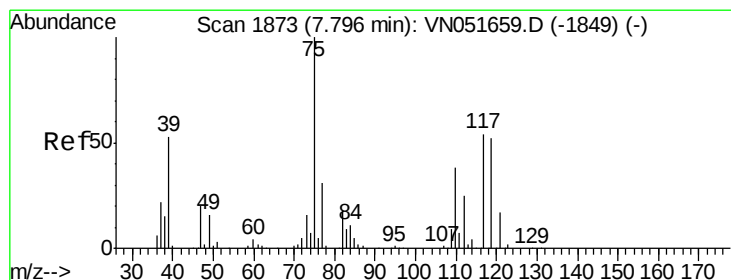
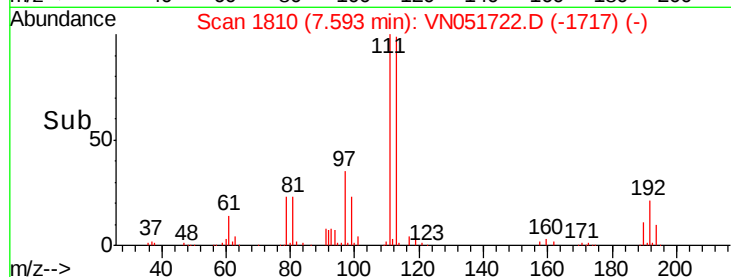
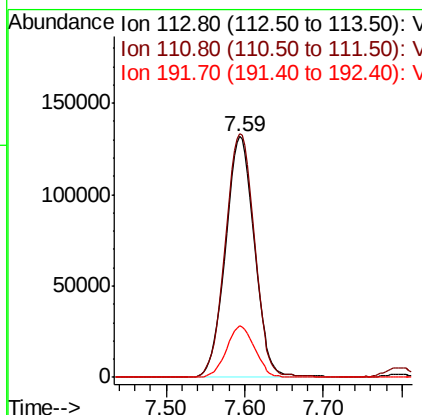
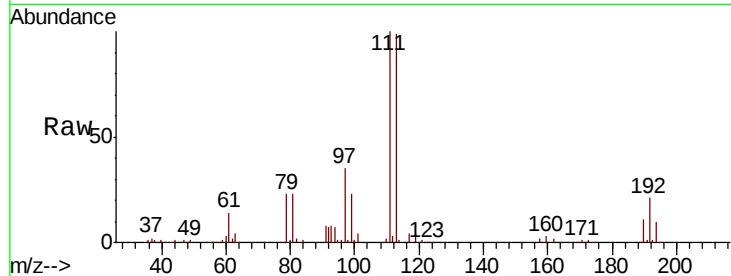




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

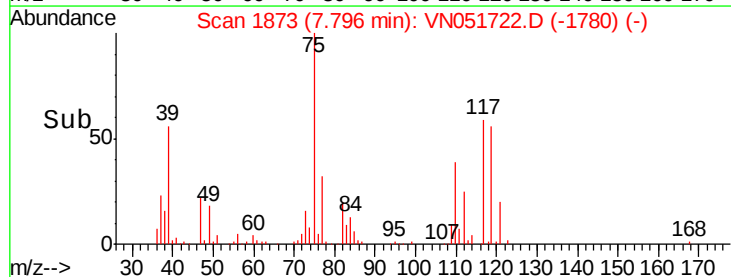
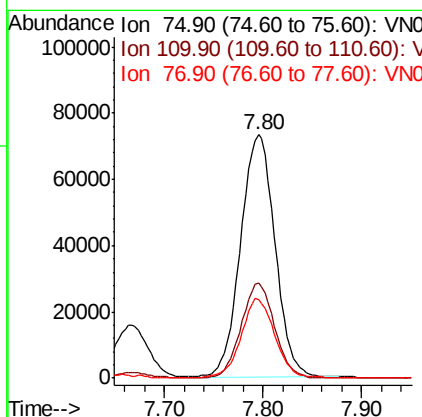
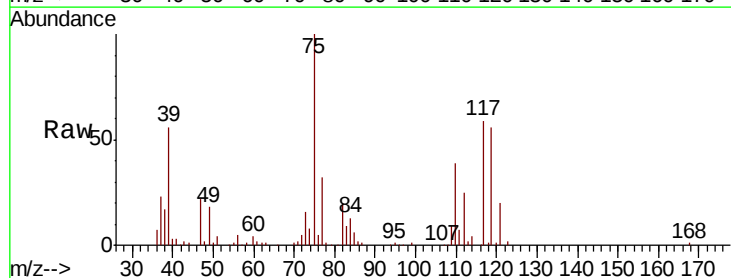
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

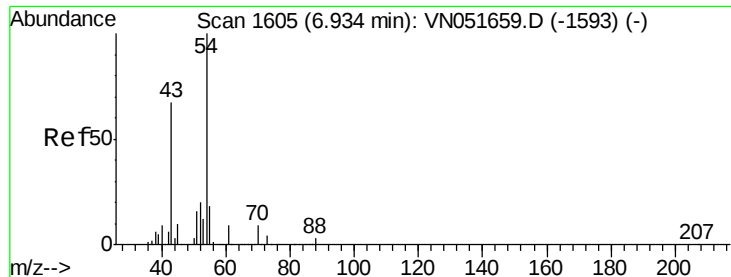
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.8
192	21.0	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 19.840 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.3	57.8
77	32.2	24.7	37.1

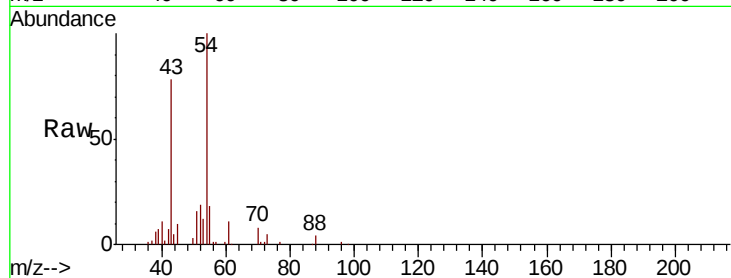




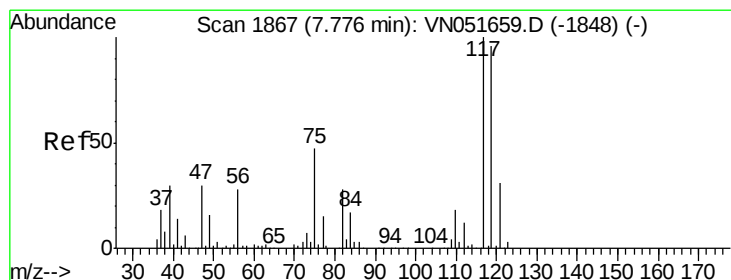
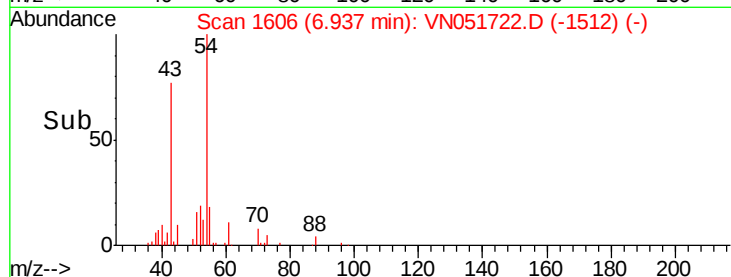
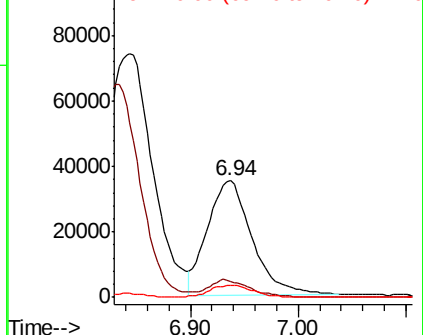
#37
Ethyl Acetate
Concen: 21.750 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion: 43 Resp: 101272
Ion Ratio Lower Upper
43 100
61 13.4 11.8 17.6
70 10.3 8.7 13.1

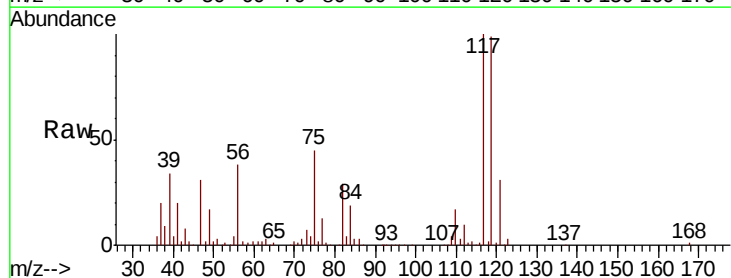


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

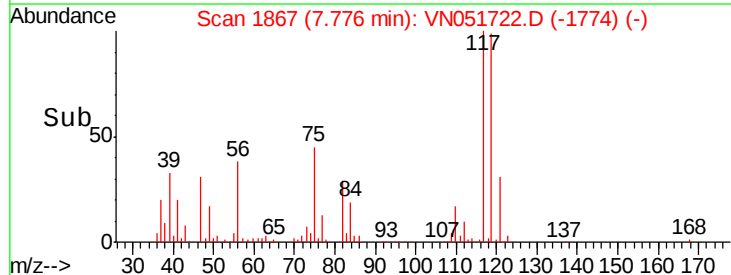
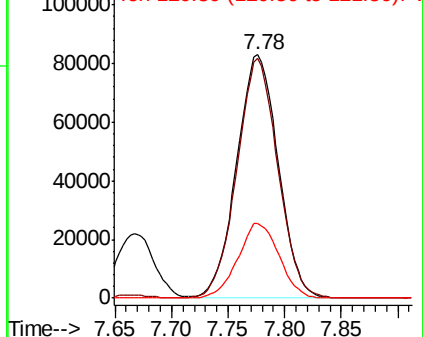


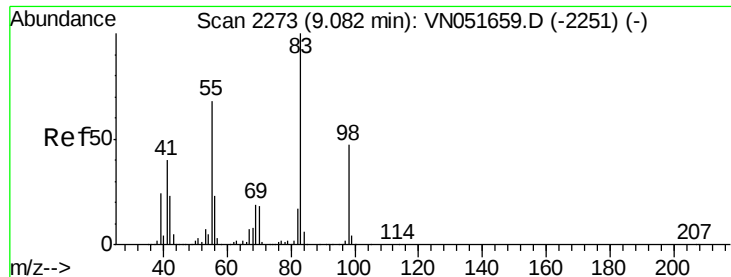
#38
Carbon Tetrachloride
Concen: 19.777 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion: 117 Resp: 211853
Ion Ratio Lower Upper
117 100
119 98.6 77.0 115.6
121 30.9 25.0 37.6



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

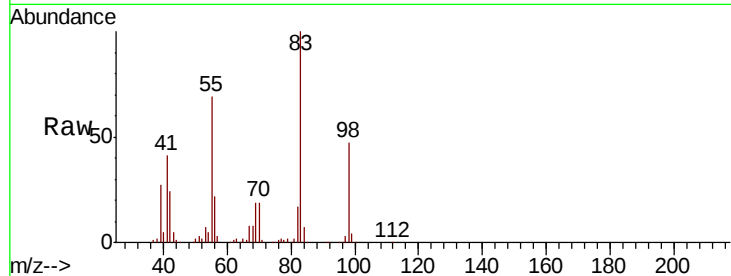




#39
Methylcyclohexane
Concen: 20.188 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN1008MBS01

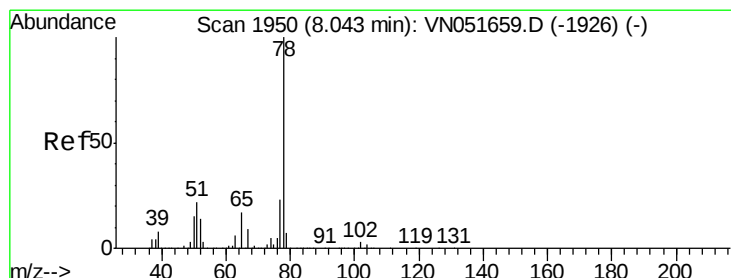
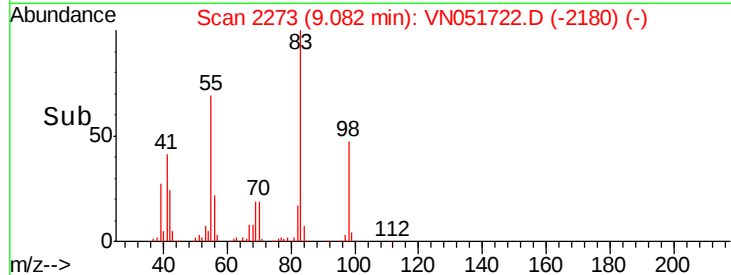
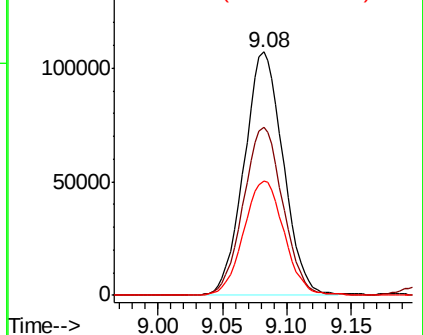
Tot Ion	83.00	Resp	226238
Ion Ratio	Lower	Upper	
83	100		
55	69.0	54.3	81.5
98	47.0	37.4	56.2



Abundance Ion 83.00 (82.70 to 83.70): VN051722.D (-2180) (-)

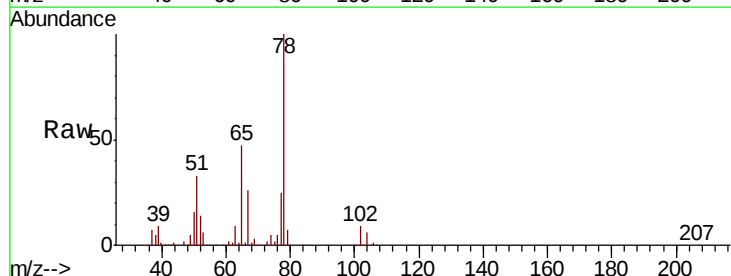
Ion 55.00 (54.70 to 55.70): VN051722.D (-2180) (-)

Ion 98.00 (97.70 to 98.70): VN051722.D (-2180) (-)



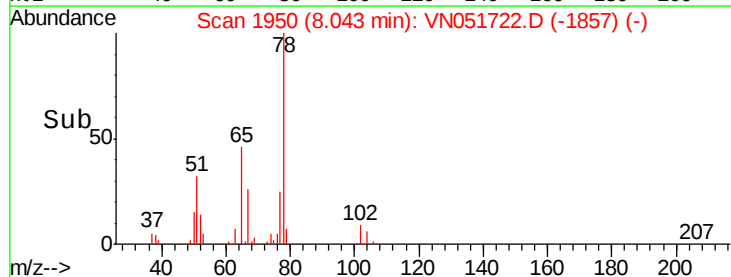
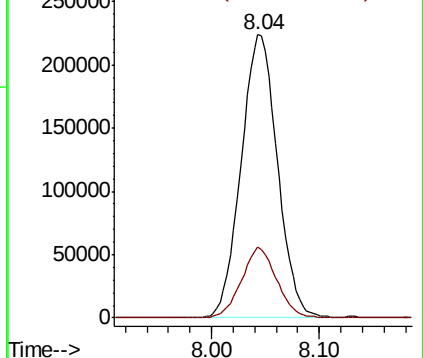
#40
Benzene
Concen: 19.781 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

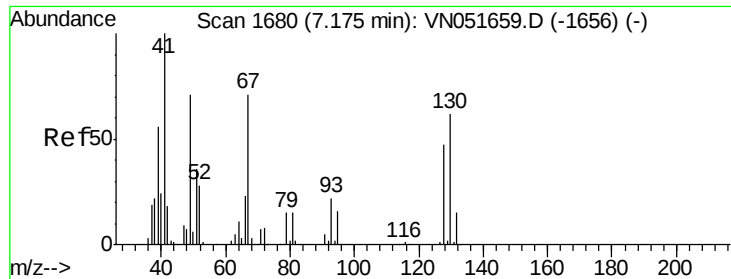
Tgt Ion	78.00	Resp	523509
Ion Ratio	Lower	Upper	
78	100		
77	24.9	18.5	27.7



Abundance Ion 78.00 (77.70 to 78.70): VN051722.D (-1857) (-)

Ion 77.00 (76.70 to 77.70): VN051722.D (-1857) (-)

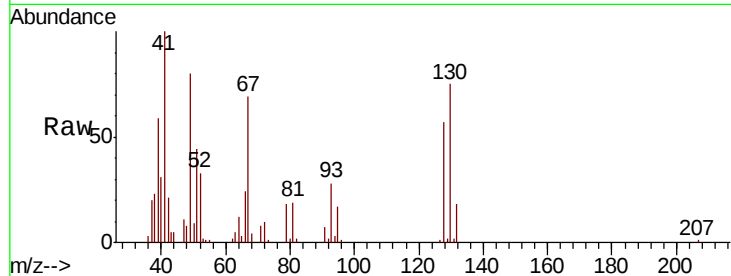




#41
Methacrylonitrile
Concen: 21.870 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion:	41	Resp:	52871
Ion	Ratio	Lower	Upper
41	100		
39	66.1	53.9	80.9
67	90.9	78.1	117.1
52	39.6	32.3	48.5



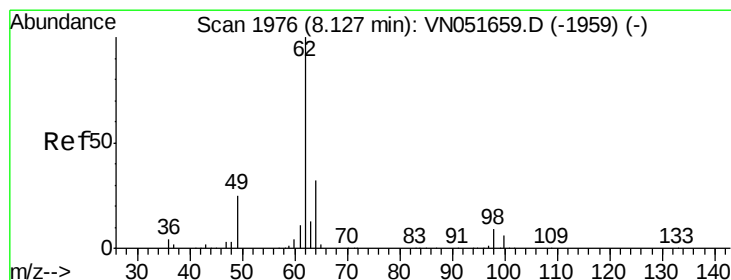
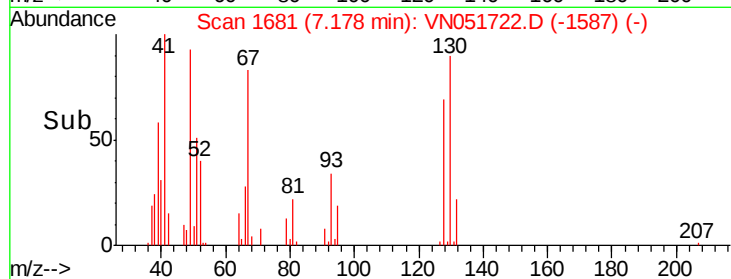
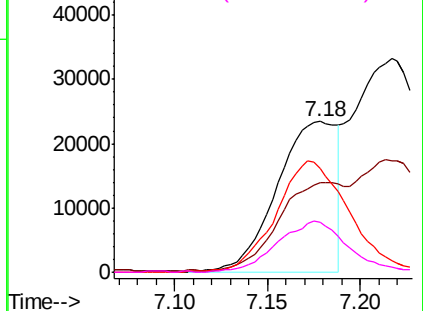
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

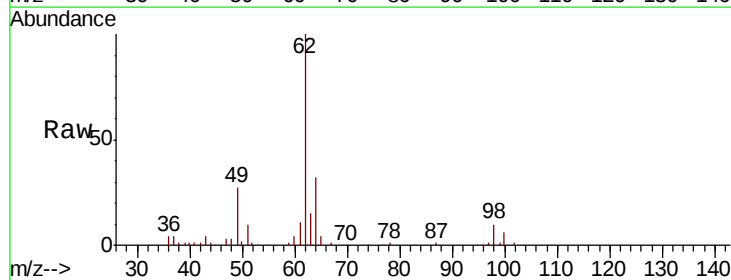
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 20.224 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

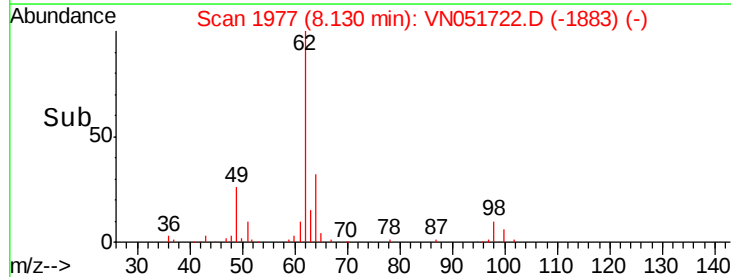
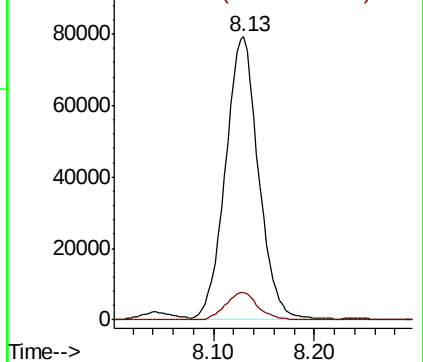
Tgt Ion:	62	Resp:	180379
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4



Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 21.347 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

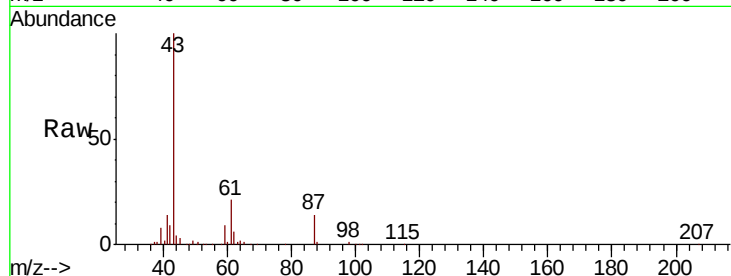
MSVOA_N

ClientSampleId :

VN1008MBS01

Tot Ion: 43 Resp: 207229

Ion	Ratio	Lower	Upper
43	100		
61	27.9	15.8	23.6#
87	14.3	12.6	19.0

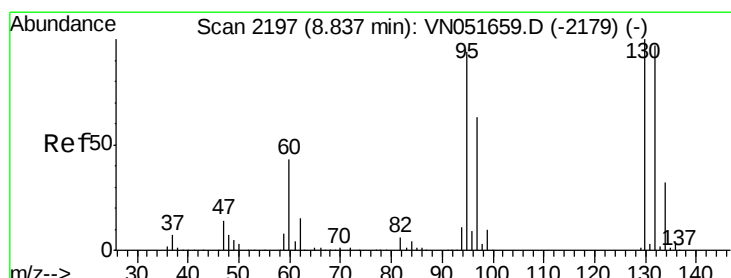
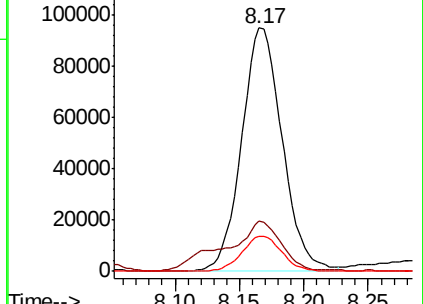
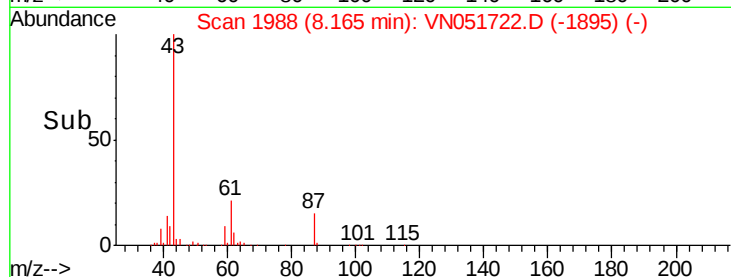


Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN051659.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN051659.D (-1970) (-)

Time-->



#44

Trichloroethene

Concen: 20.528 ug/l

RT: 8.84 min Scan# 2197

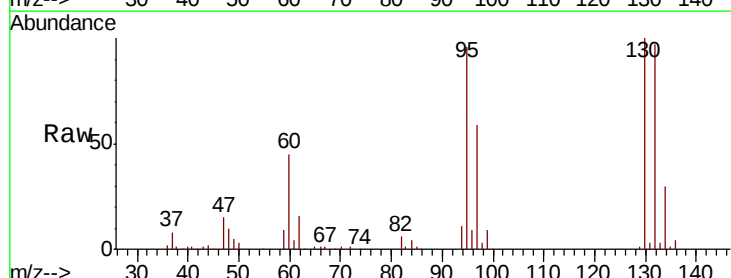
Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Tgt Ion: 130 Resp: 154261

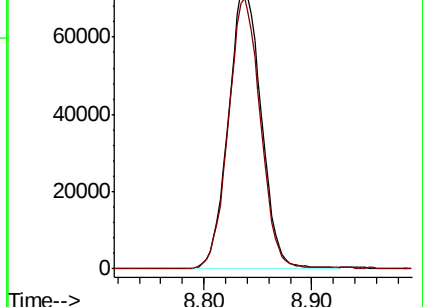
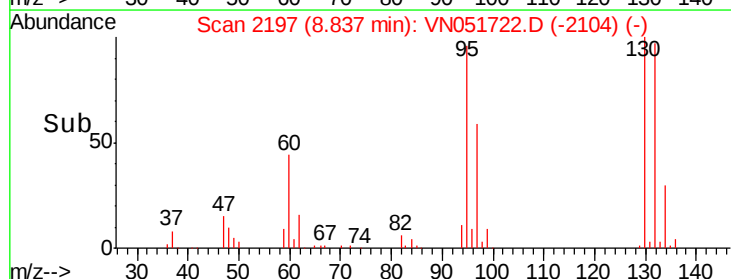
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	188.0

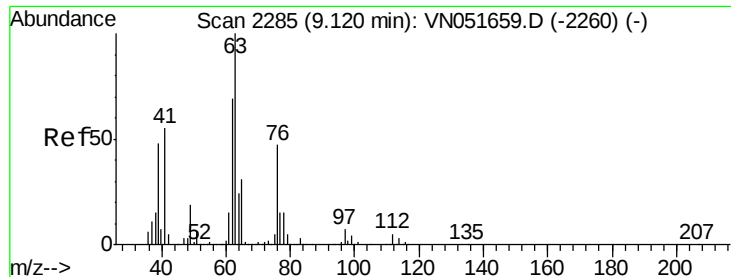


Abundance Ion 129.80 (129.50 to 130.50): VN051659.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051659.D (-2179) (-)

Time-->

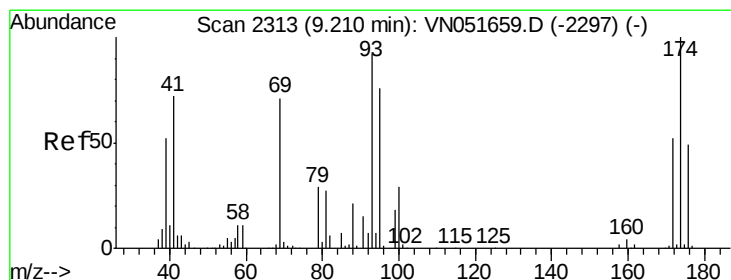
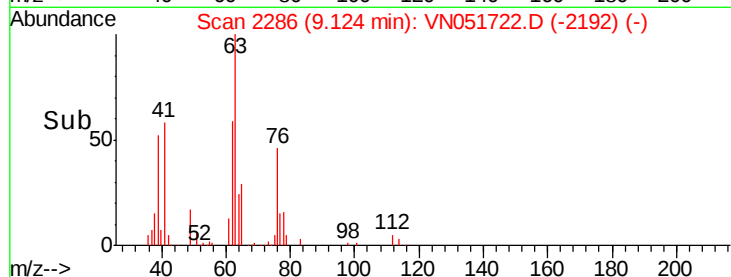
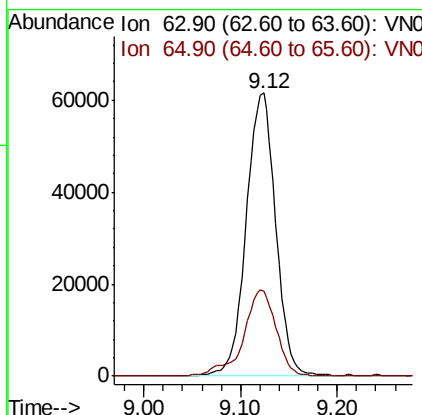
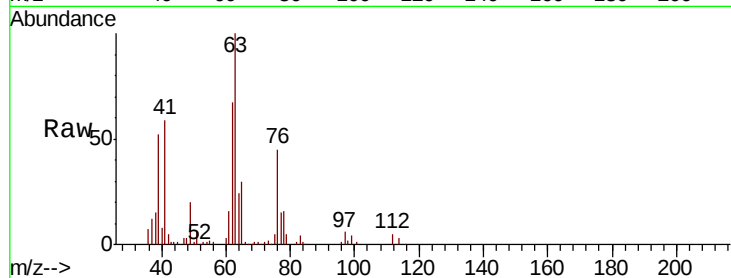




#45
 1,2-Dichloropropane
 Concen: 19.888 ug/l
 RT: 9.12 min Scan# 2286
 Delta R.T. 0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

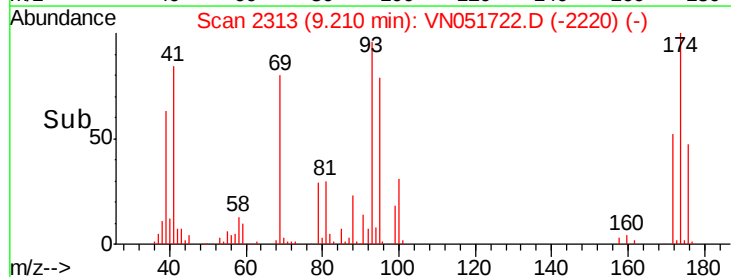
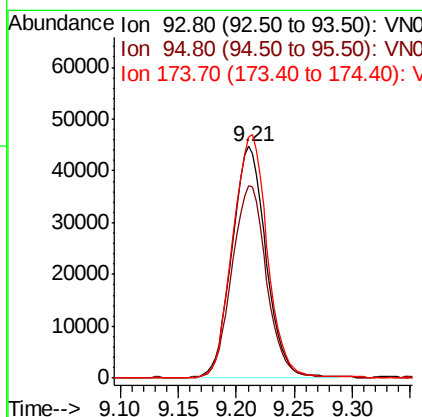
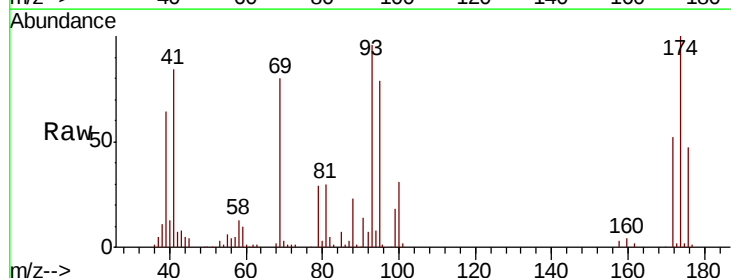
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

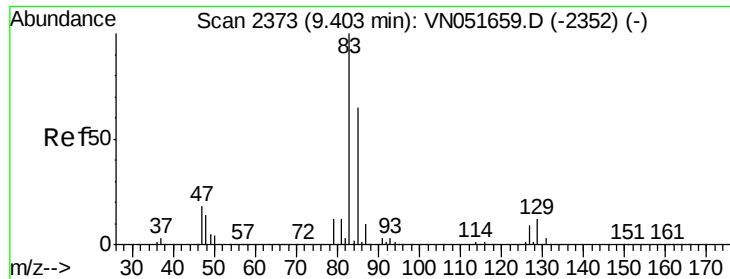
Tot Ion: 63 Resp: 130130
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.0 37.4



#46
 Dibromomethane
 Concen: 20.059 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion: 93 Resp: 91229
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.6 100.0
 174 106.7 85.9 128.9

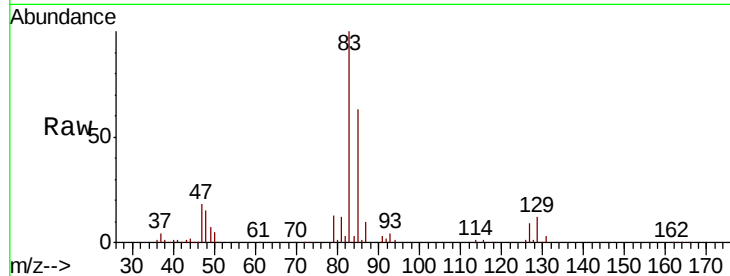




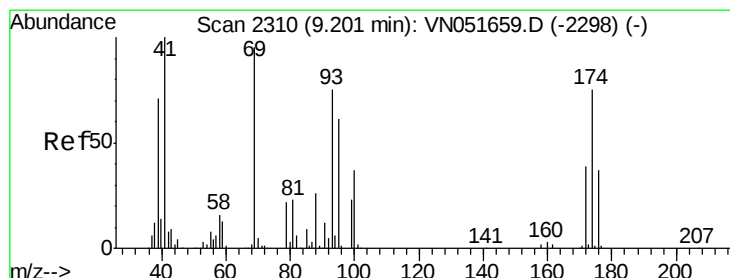
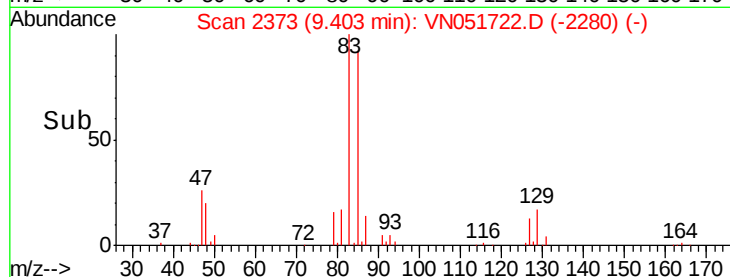
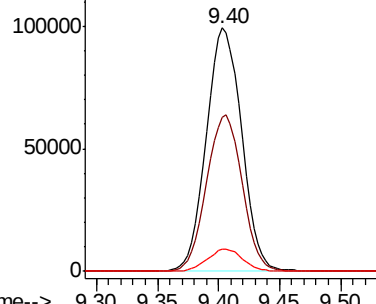
#47
Bromodichloromethane
Concen: 19.882 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion	83	Resp	199056
Ion Ratio	100		
Lower	51.6		
Upper	77.4		
85	63.5		
127	9.0		
	7.3		
	10.9		

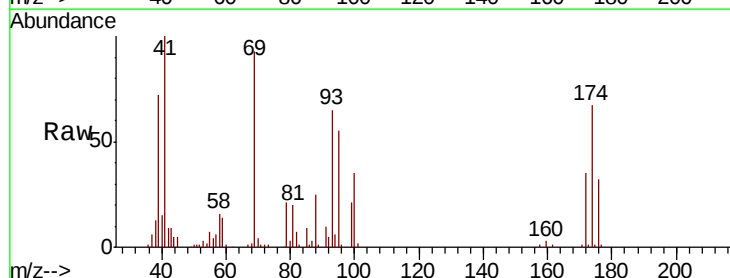


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

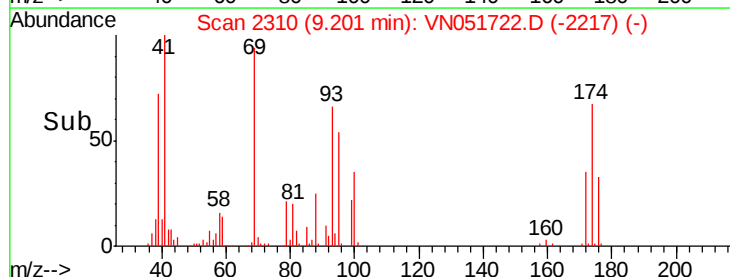
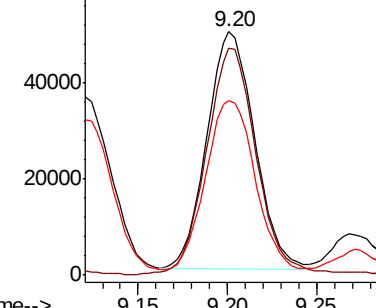


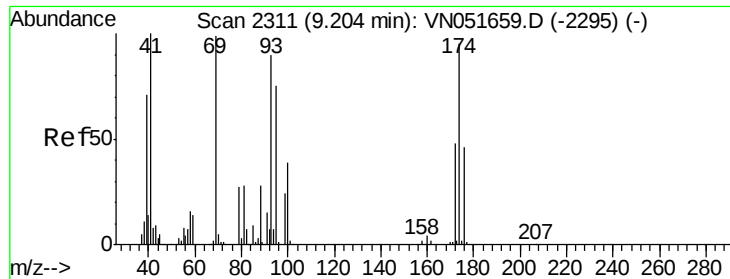
#48
Methyl methacrylate
Concen: 20.795 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion	41	Resp	92241
Ion Ratio	100		
Lower	78.6		
Upper	118.0		
69	99.2		
39	74.0		
	59.2		
	88.8		



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

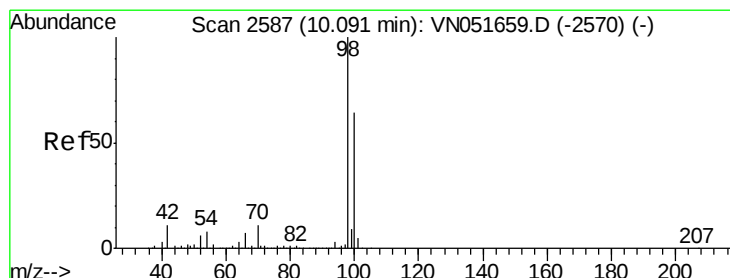
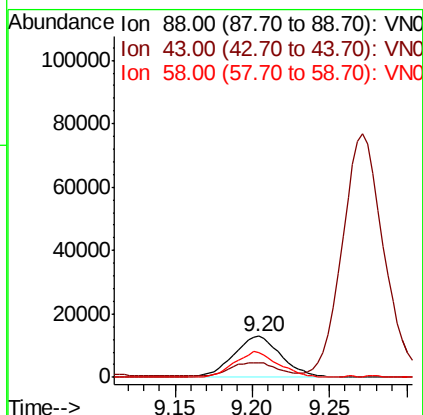
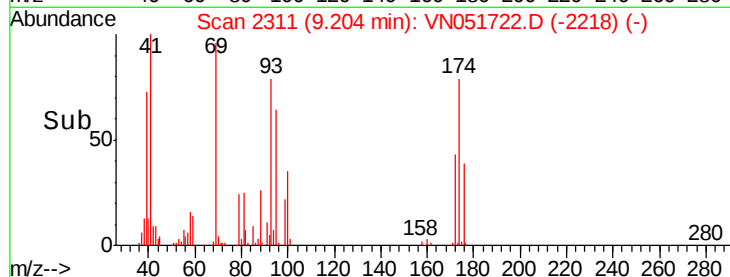
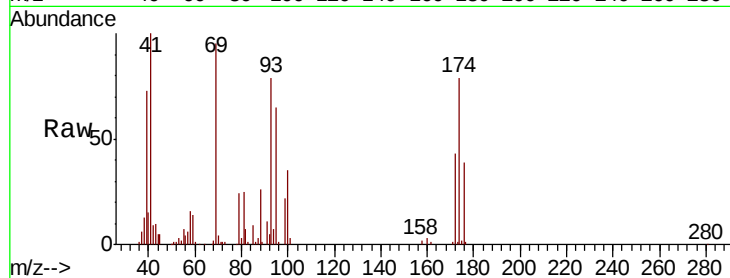




#49
1,4-Dioxane
Concen: 416.651 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

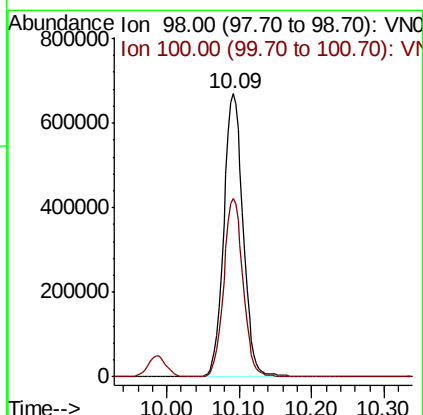
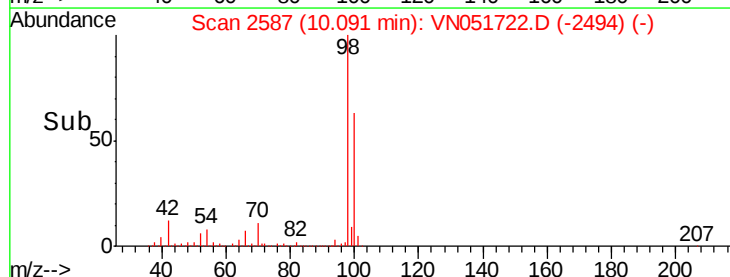
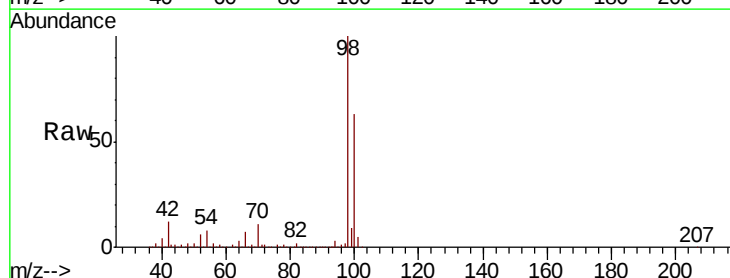
Instrument :
MSVOA_N
ClientSampled :
VN1008MBS01

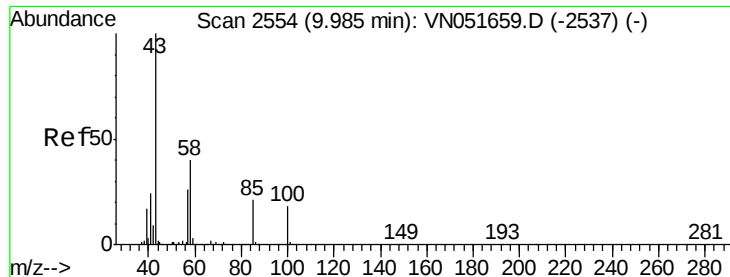
Tot Ion: 88 Resp: 27713
Ion Ratio Lower Upper
88 100
43 32.1 24.5 36.7
58 57.7 47.6 71.4



#50
Toluene-d8
Concen: 416.651 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion: 98 Resp: 1238587
Ion Ratio Lower Upper
98 100
100 63.2 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 108.541 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

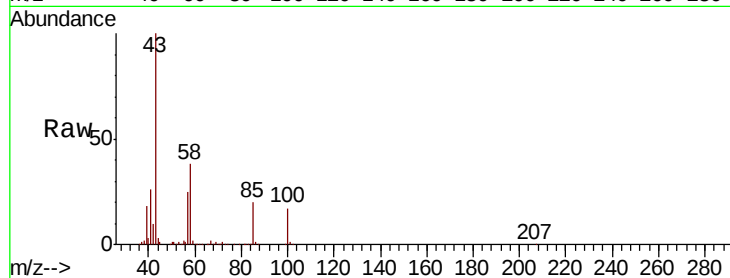
VN1008MBS01

Tot Ion: 43 Resp: 533924

Ion Ratio Lower Upper

43 100

58 38.2 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-2537) (-)

9.99

300000

200000

100000

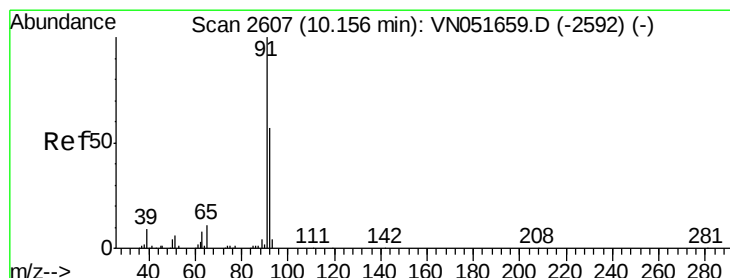
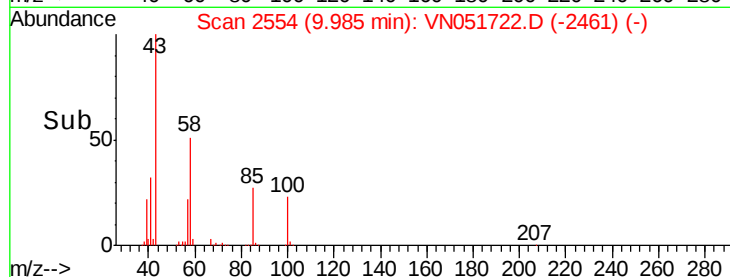
0

Time-->

9.90

10.00

10.10



#52

Toluene

Concen: 19.347 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051722.D

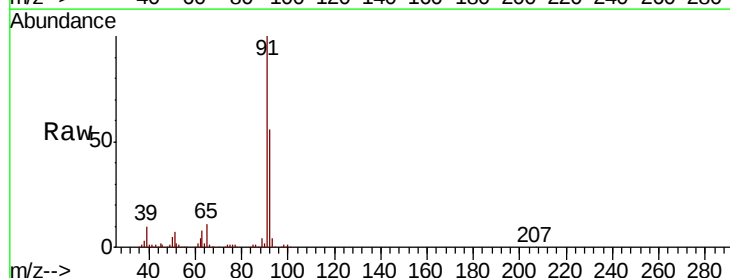
Acq: 8 Oct 2018 9:37

Tgt Ion: 92 Resp: 340554

Ion Ratio Lower Upper

92 100

91 177.7 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN051659.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN051659.D (-2592) (-)

10.16

300000

200000

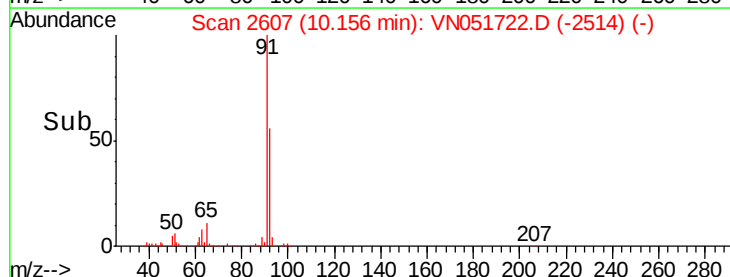
100000

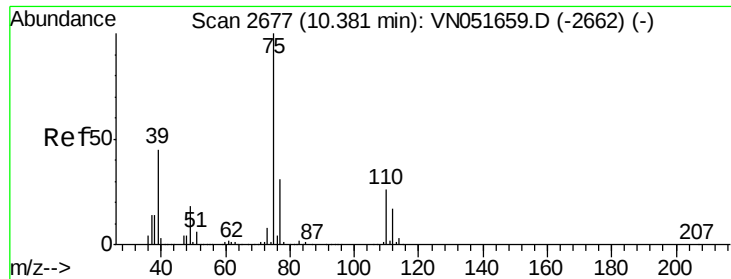
0

Time-->

10.10

10.20





#53

t-1,3-Dichloropropene

Concen: 18.753 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

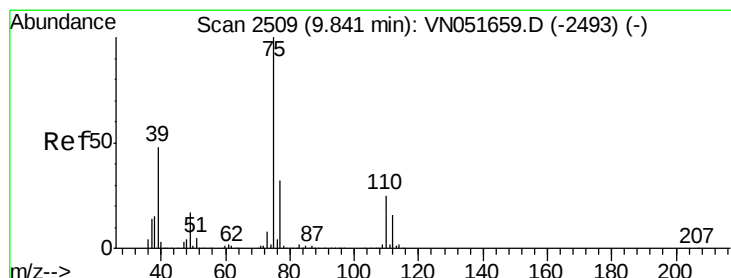
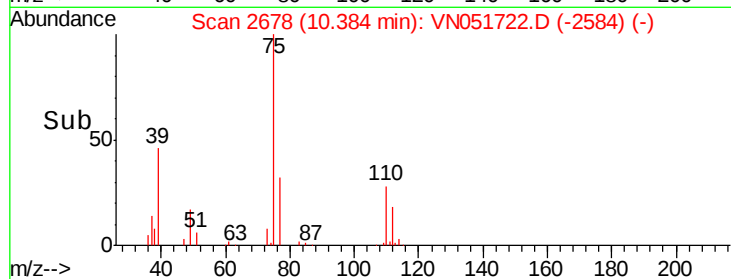
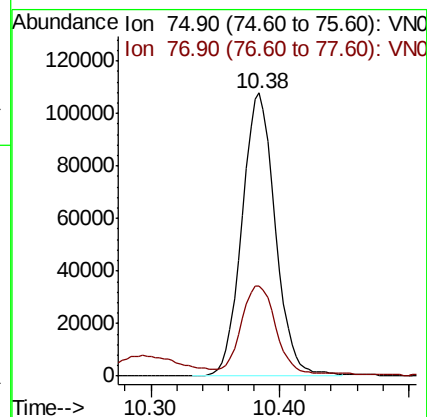
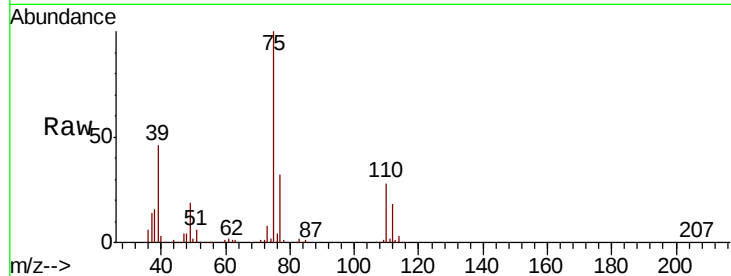
VN1008MBS01

Tot Ion: 75 Resp: 193732

Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.252 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

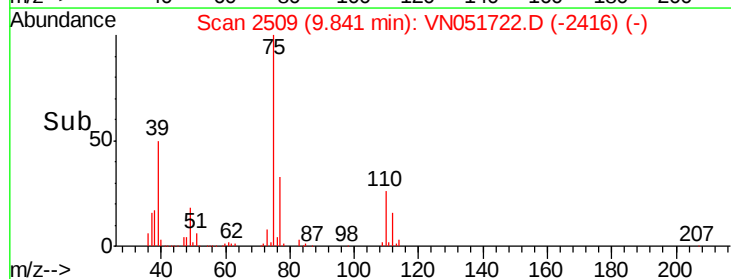
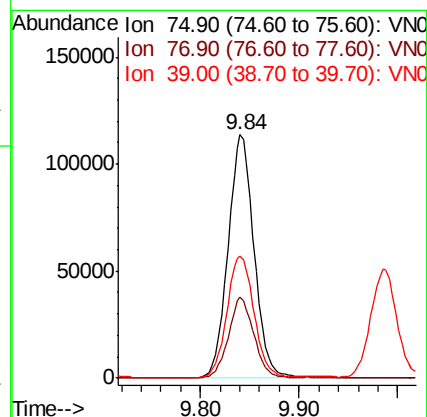
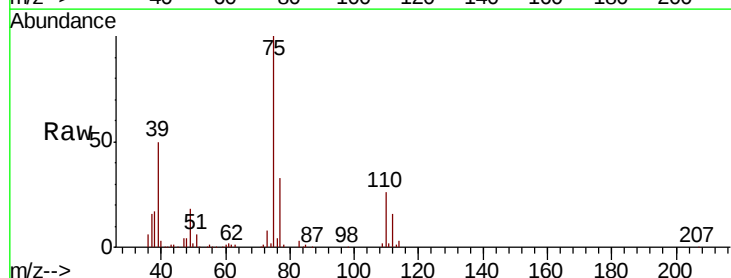
Tgt Ion: 75 Resp: 211199

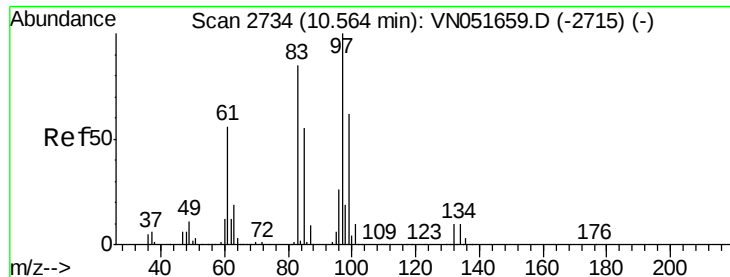
Ion Ratio Lower Upper

75 100

77 33.3 25.7 38.5

39 49.7 38.1 57.1

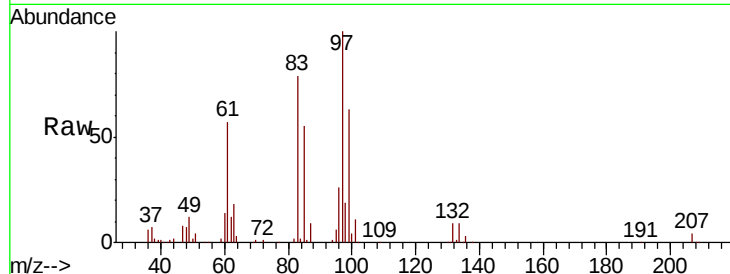




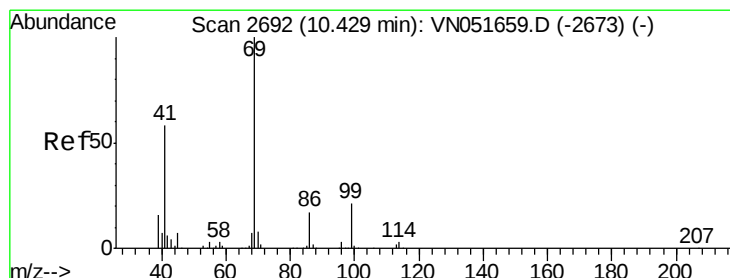
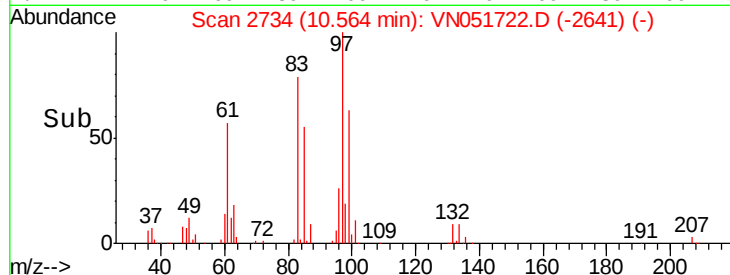
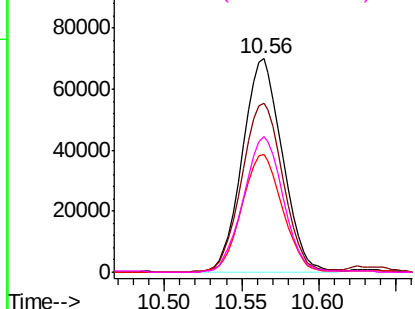
#55
 1,1,2-Trichloroethane
 Concen: 20.126 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN1008MBS01

Tot Ion: 97 Resp: 126201
 Ion Ratio Lower Upper
 97 100
 83 79.0 68.1 102.1
 85 55.2 43.6 65.4
 99 63.4 49.4 74.0

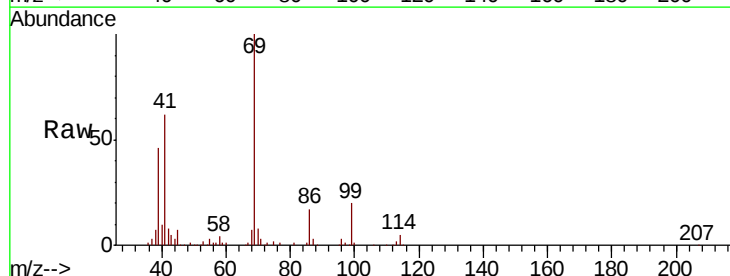


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

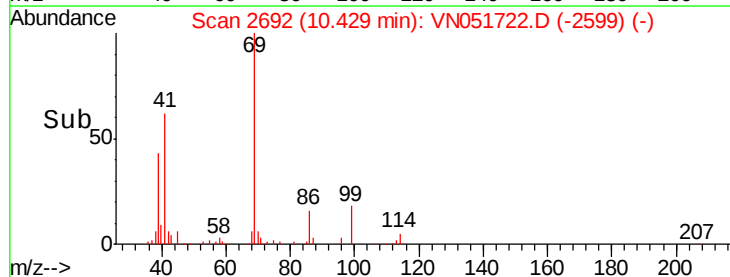
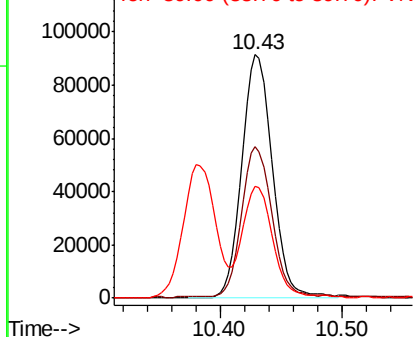


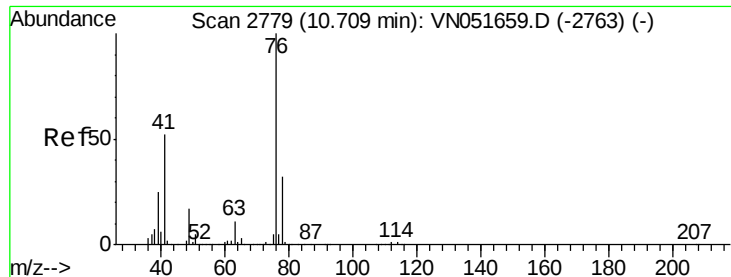
#56
 Ethyl methacrylate
 Concen: 19.936 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion: 69 Resp: 158087
 Ion Ratio Lower Upper
 69 100
 41 60.7 46.4 69.6
 39 45.9 32.4 48.6



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





#57

1,3-Dichloropropane

Concen: 20.178 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

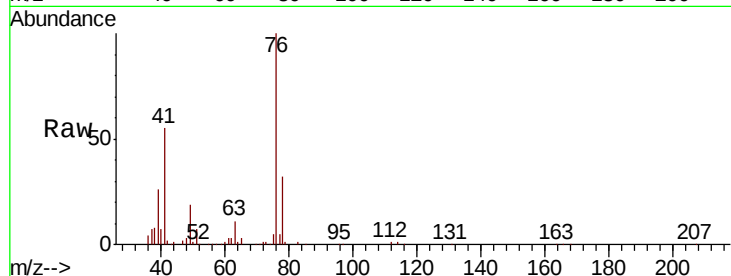
VN1008MBS01

Tot Ion: 76 Resp: 200247

Ion Ratio Lower Upper

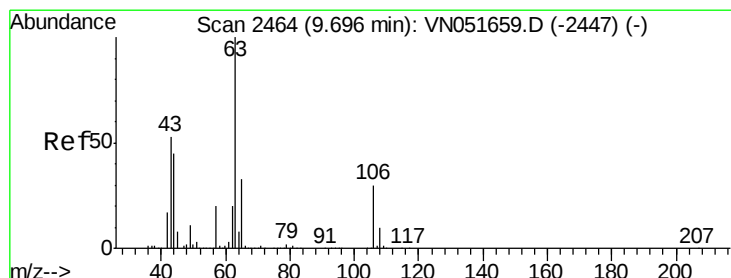
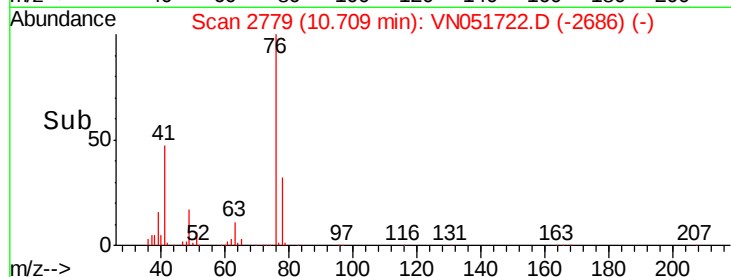
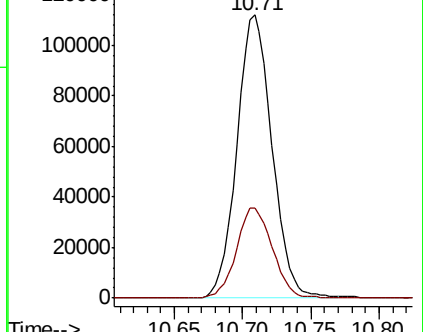
76 100

78 32.7 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 97.116 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051722.D

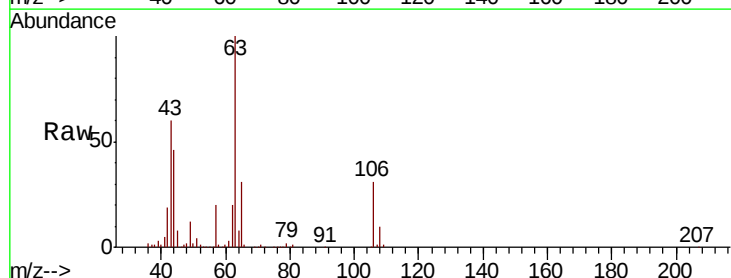
Acq: 8 Oct 2018 9:37

Tgt Ion: 63 Resp: 318716

Ion Ratio Lower Upper

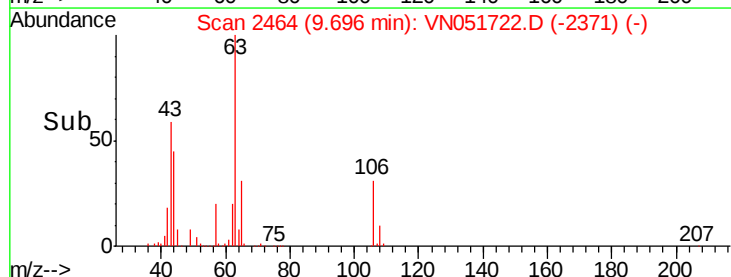
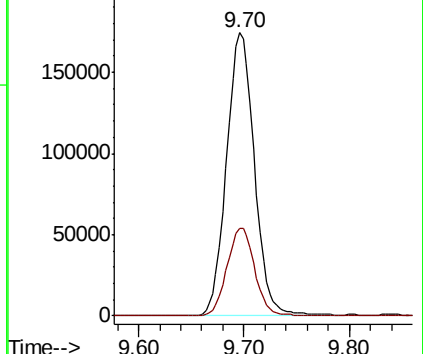
63 100

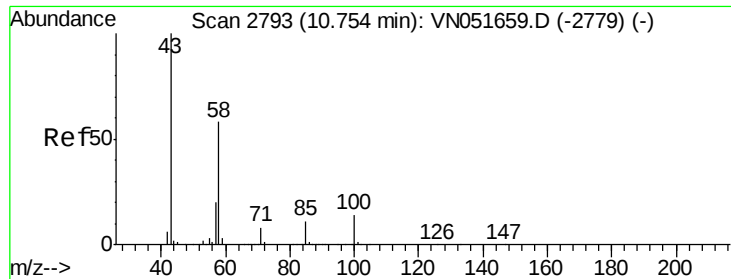
106 30.8 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

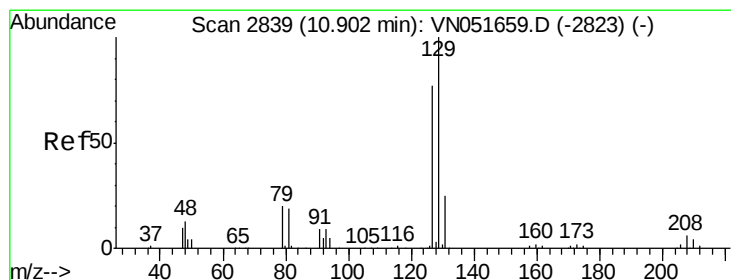
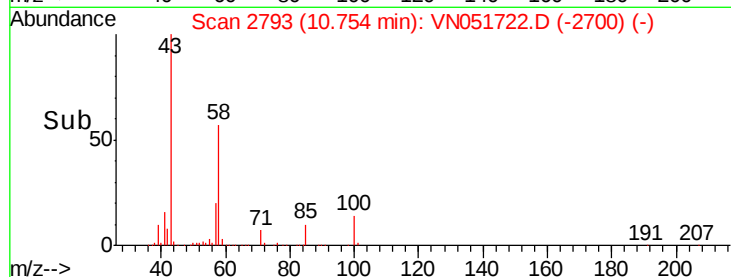
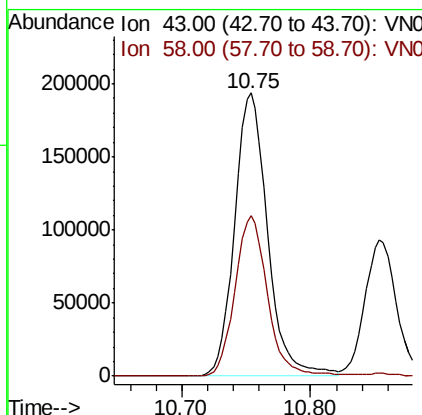
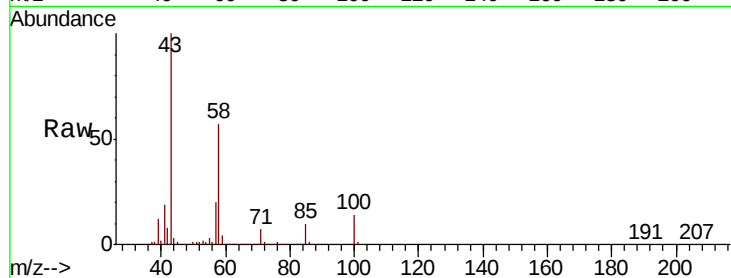




#59
2-Hexanone
Concen: 102.234 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

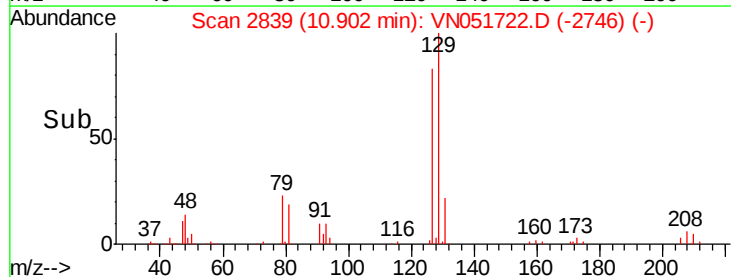
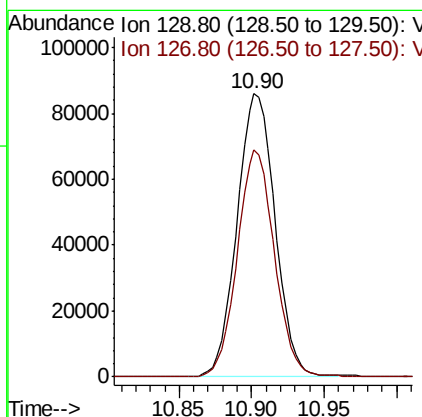
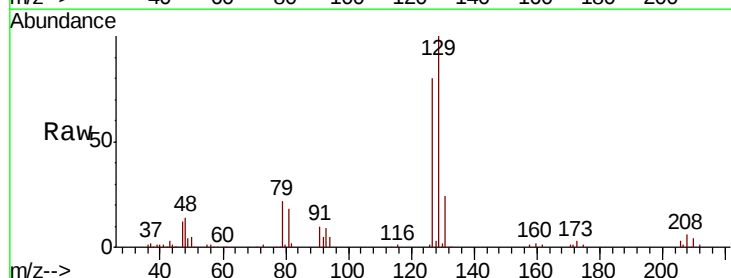
Instrument :
MSVOA_N
ClientSampled :
VN1008MBS01

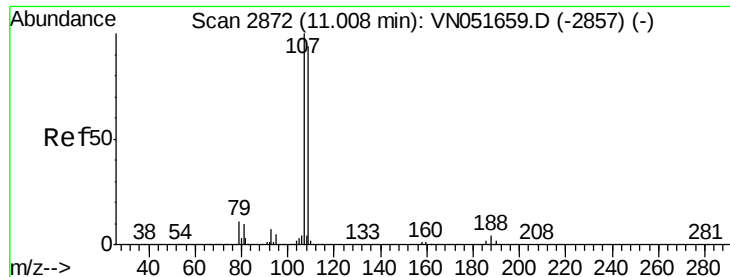
Tot Ion: 43 Resp: 341534
Ion Ratio Lower Upper
43 100
58 56.3 28.8 86.4



#60
Dibromochloromethane
Concen: 19.140 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion: 129 Resp: 157055
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.7

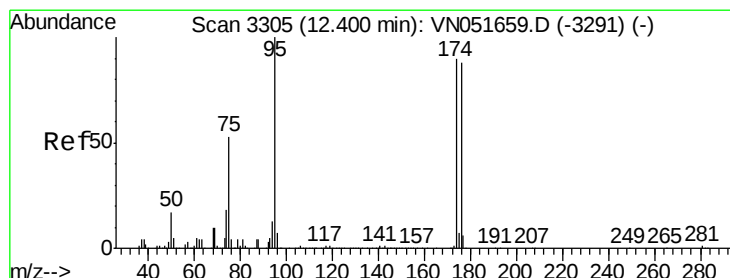
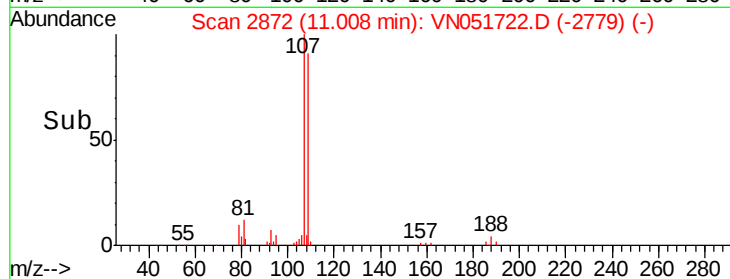
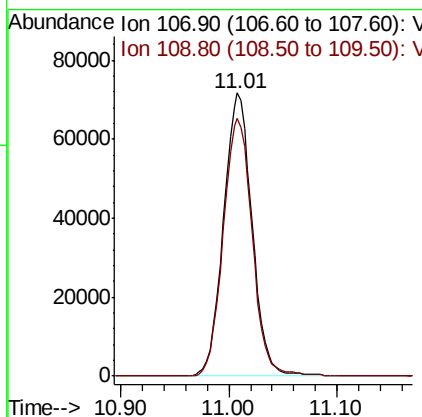
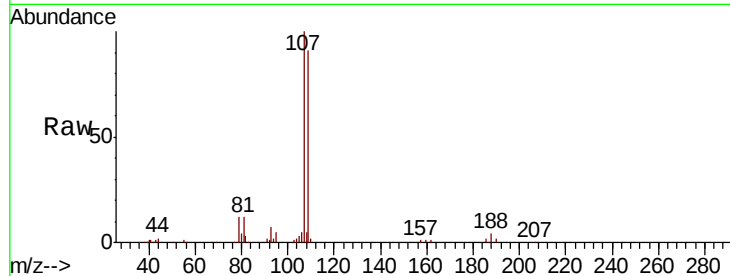




#61
 1,2-Dibromoethane
 Concen: 19.906 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

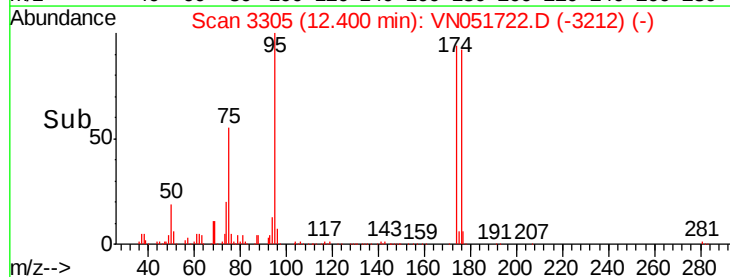
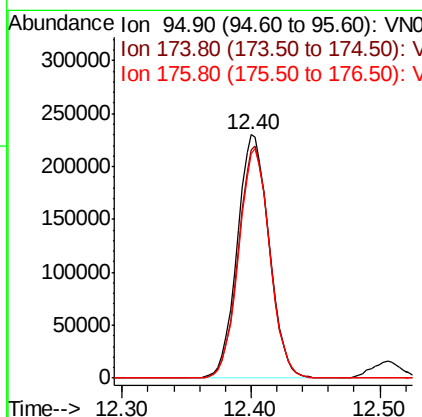
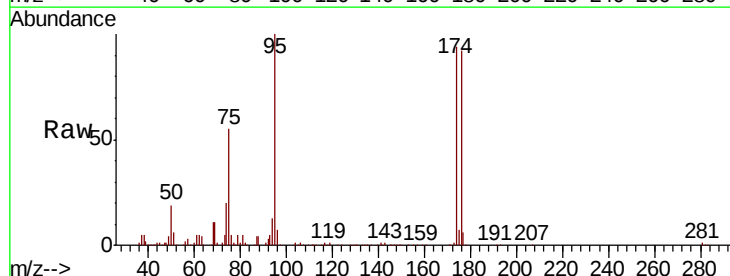
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

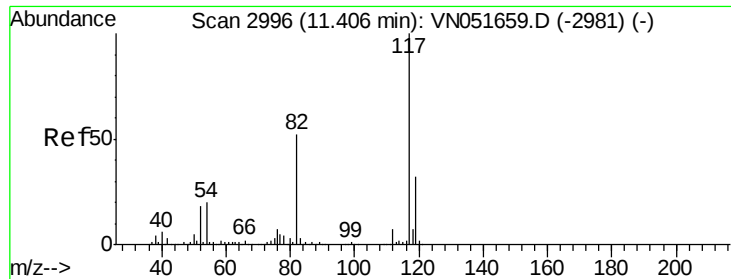
Tot Ion:107 Resp: 131955
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 19.906 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion: 95 Resp: 393842
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 182.8
 176 92.5 0.0 176.4

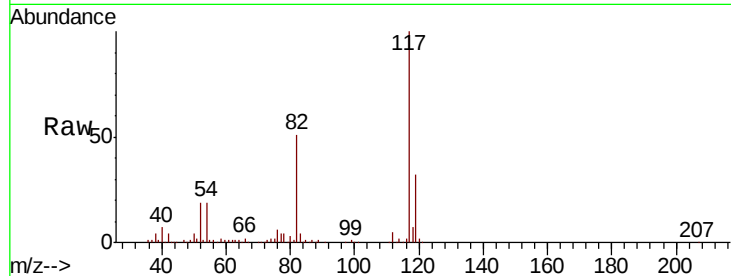




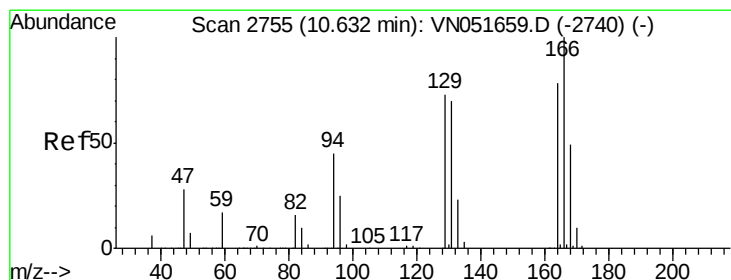
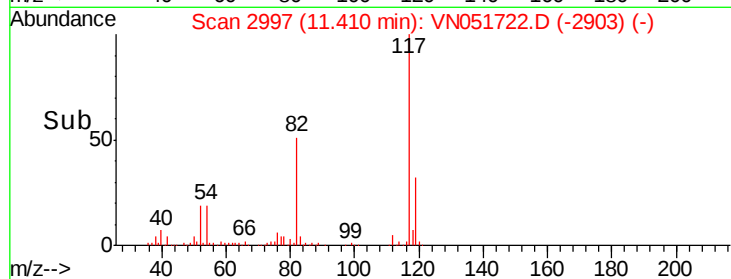
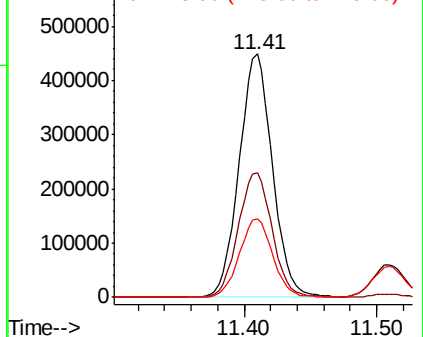
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion:117 Resp: 783934
Ion Ratio Lower Upper
117 100
82 51.0 41.3 61.9
119 32.2 25.9 38.9

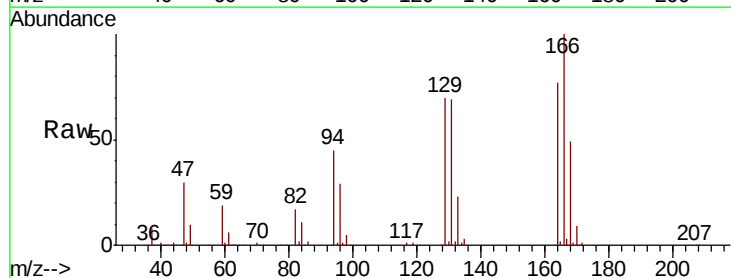


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

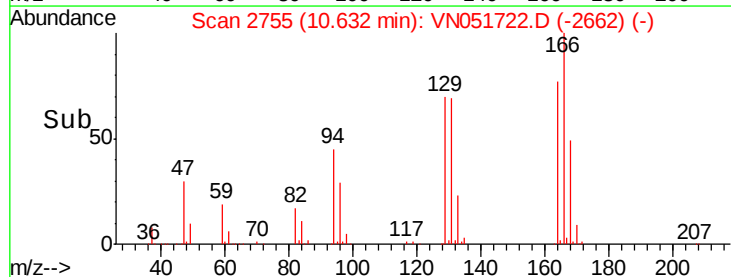
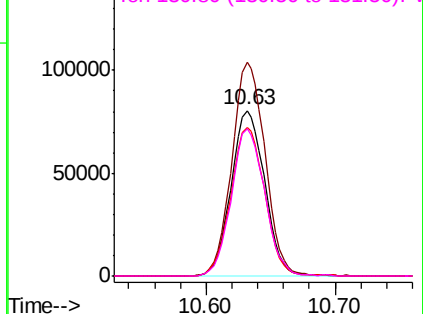


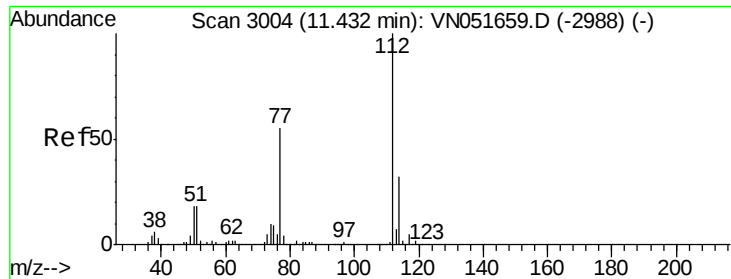
#64
Tetrachloroethene
Concen: 21.017 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion:164 Resp: 145355
Ion Ratio Lower Upper
164 100
166 129.3 103.0 154.6
129 90.2 75.2 112.8
131 88.9 71.7 107.5



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

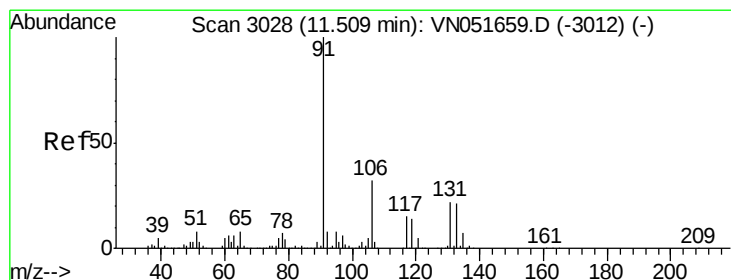
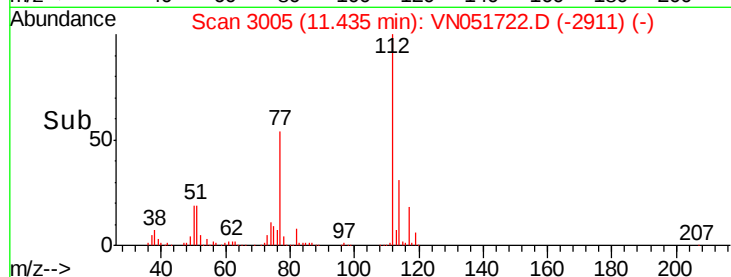
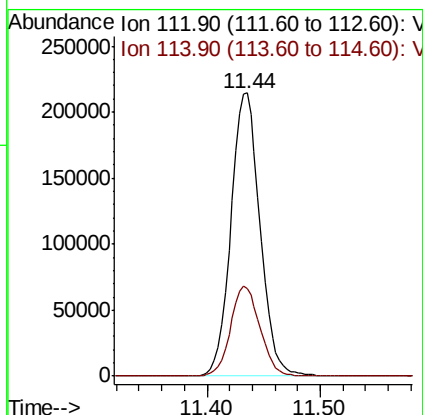
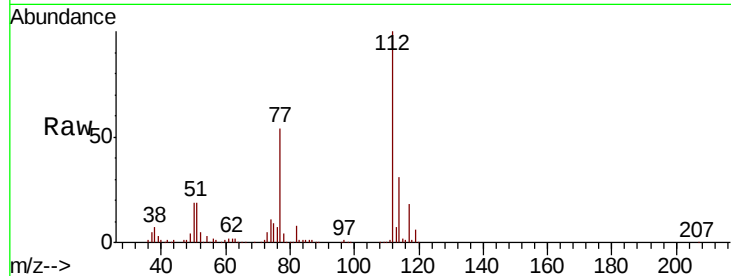




#65
Chlorobenzene
Concen: 19.728 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

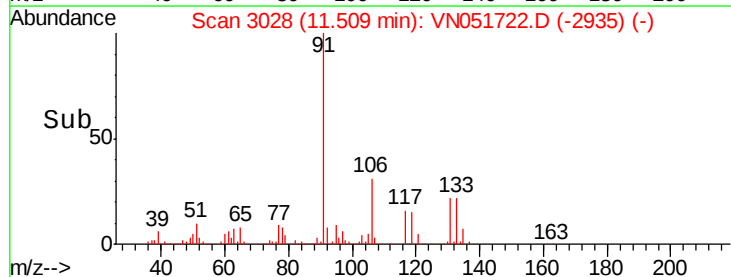
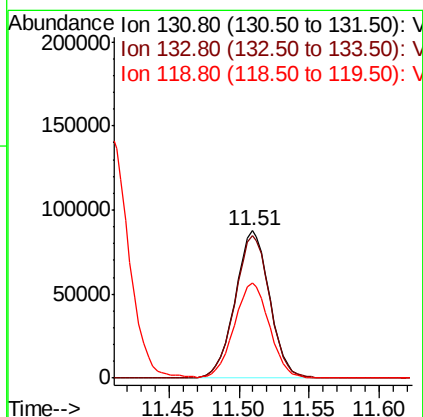
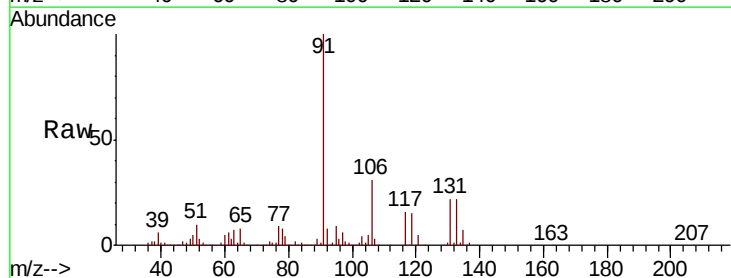
Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

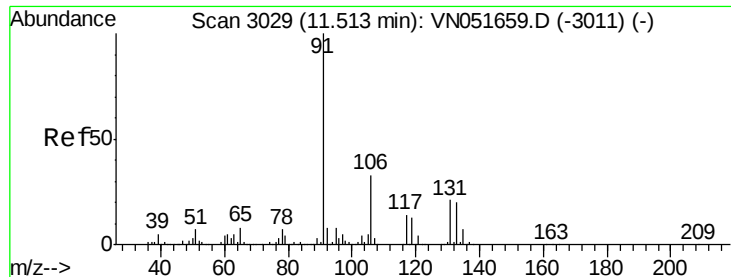
Tot Ion:112 Resp: 383027
Ion Ratio Lower Upper
112 100
114 31.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.262 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion:131 Resp: 149743
Ion Ratio Lower Upper
131 100
133 98.1 47.6 142.8
119 66.0 32.0 96.0

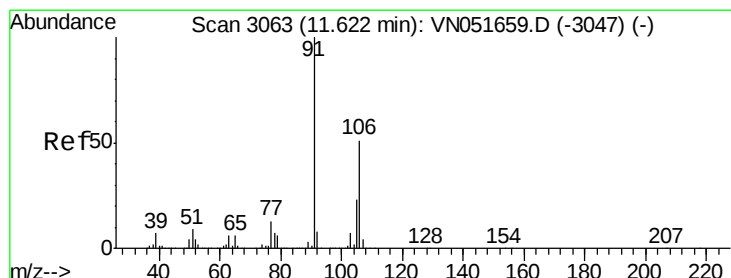
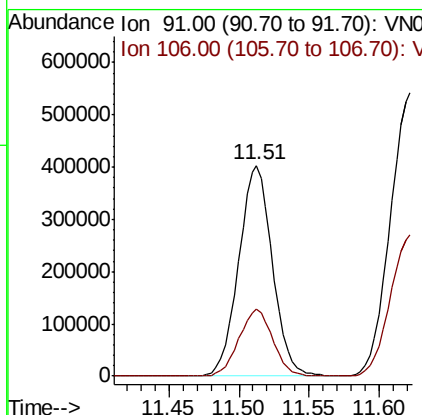
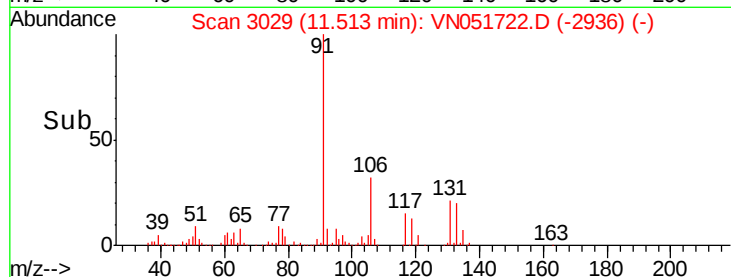
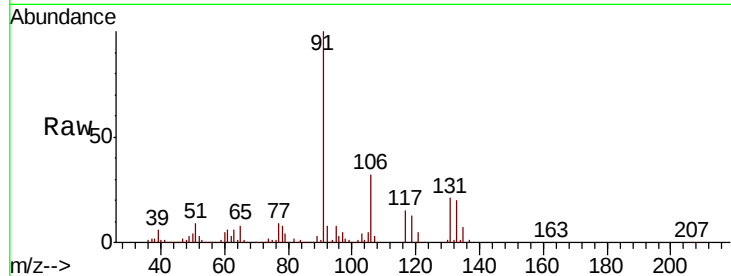




#67
Ethyl Benzene
Concen: 20.006 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

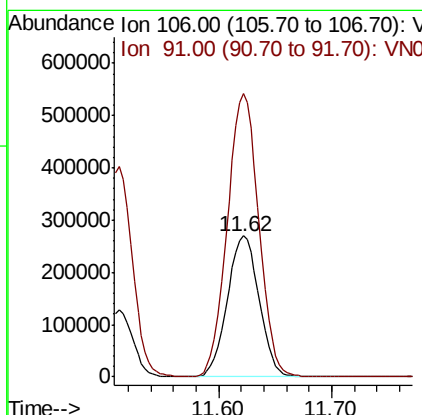
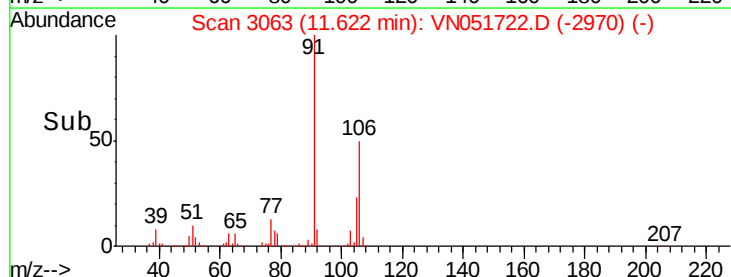
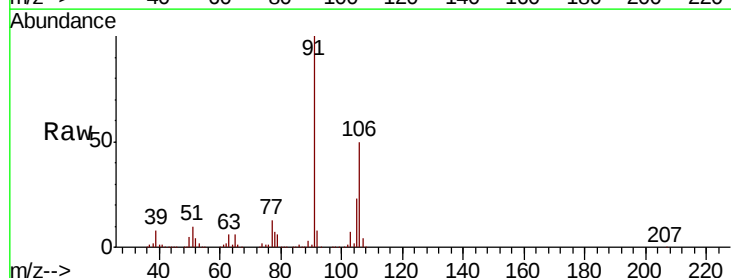
Instrument :
MSVOA_N
ClientSampled :
VN1008MBS01

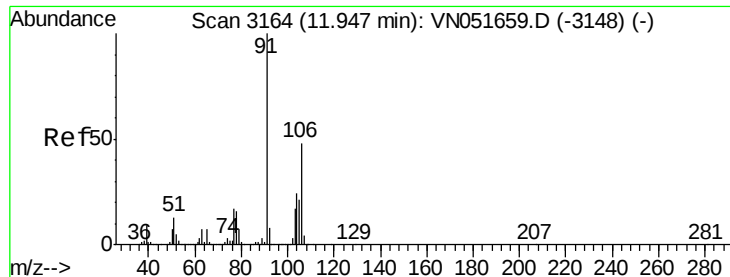
Tot Ion: 91 Resp: 671355
Ion Ratio Lower Upper
91 100
106 31.7 26.0 39.0



#68
m/p-Xylenes
Concen: 39.187 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion: 106 Resp: 526177
Ion Ratio Lower Upper
106 100
91 198.7 158.4 237.6

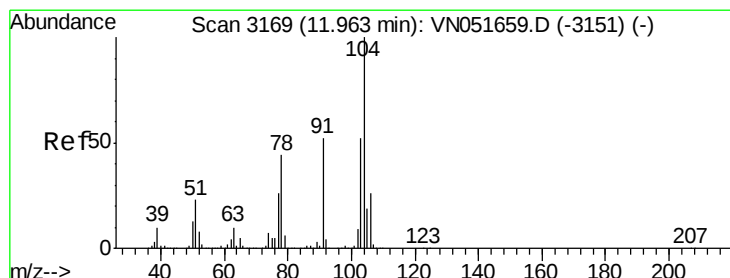
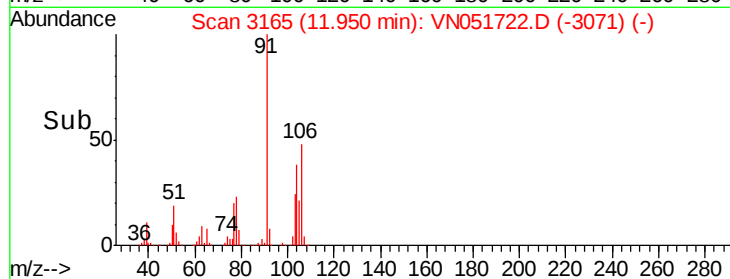
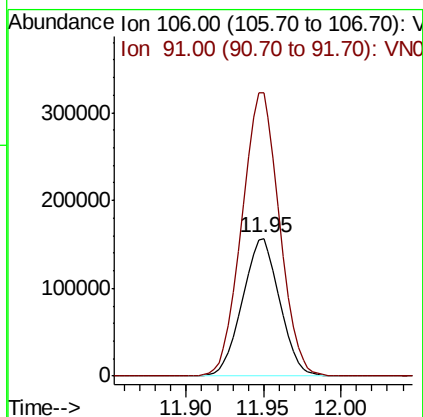
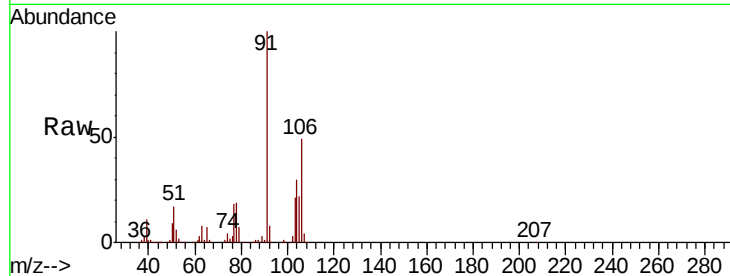




#69
o-Xylene
Concen: 19.963 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

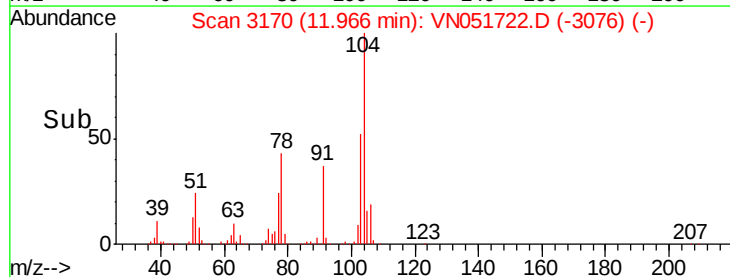
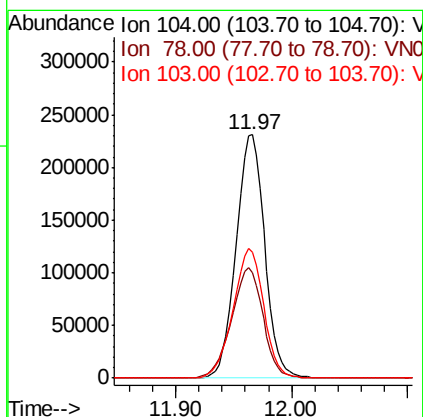
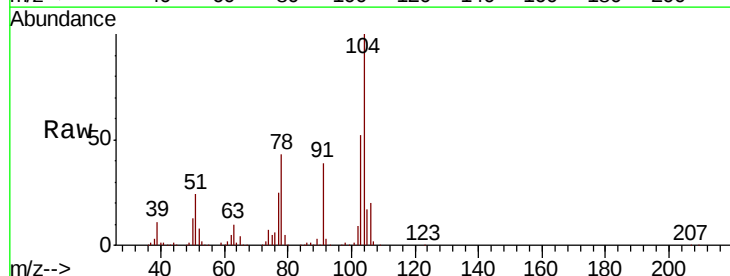
Instrument :
MSVOA_N
ClientSampled :
VN1008MBS01

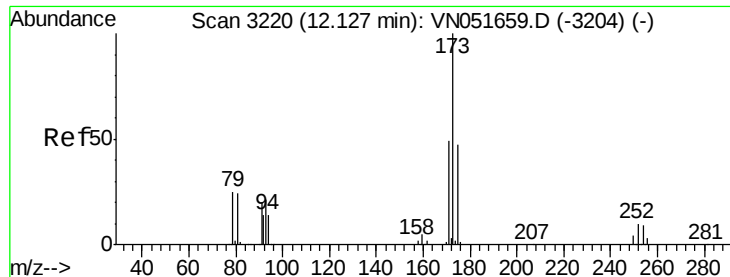
Tot Ion:106 Resp: 262877
Ion Ratio Lower Upper
106 100
91 208.0 104.4 313.2



#70
Styrene
Concen: 18.830 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion:104 Resp: 395106
Ion Ratio Lower Upper
104 100
78 49.8 39.3 58.9
103 57.1 45.0 67.6

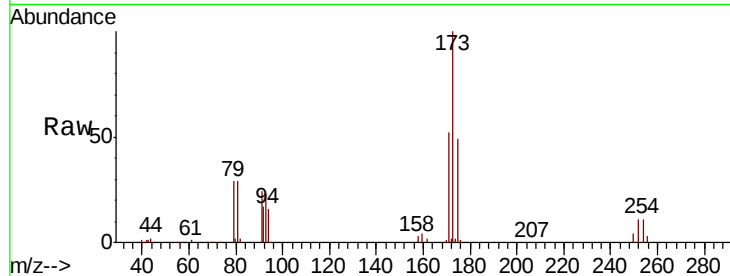




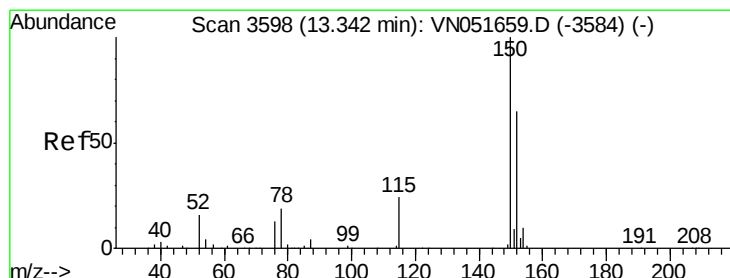
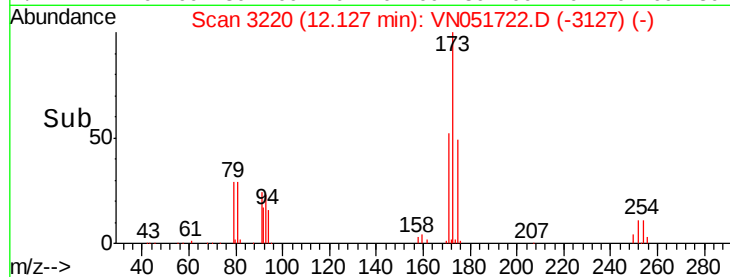
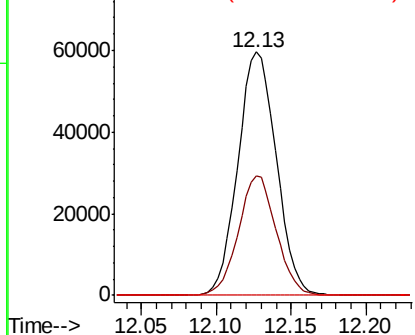
#71
Bromoform
Concen: 18.454 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN1008MBS01

Tot Ion:173 Resp: 106709
Ion Ratio Lower Upper
173 100
175 48.1 24.0 72.0
254 0.0 0.1 0.1#

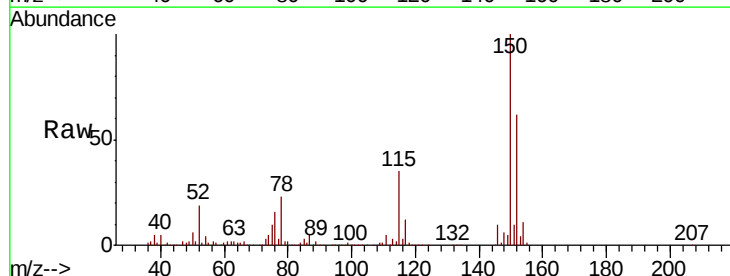


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

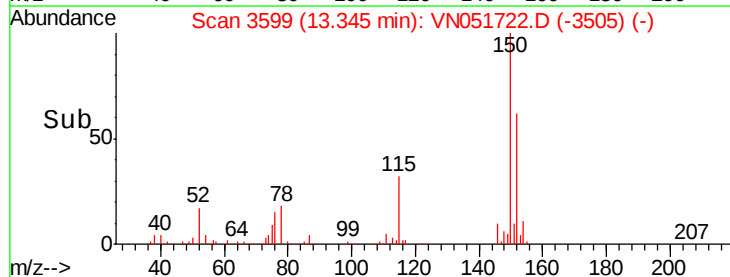
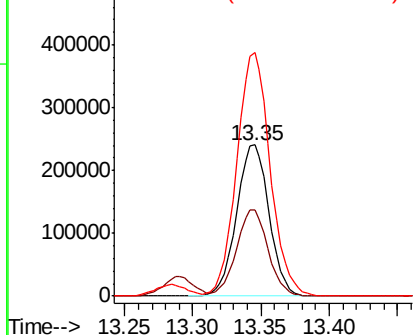


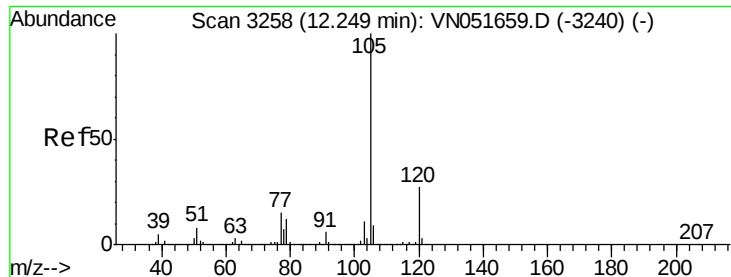
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051722.D
Acq: 8 Oct 2018 9:37

Tgt Ion:152 Resp: 397242
Ion Ratio Lower Upper
152 100
115 55.6 28.6 85.8
150 165.5 0.0 352.4



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: 20.619 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

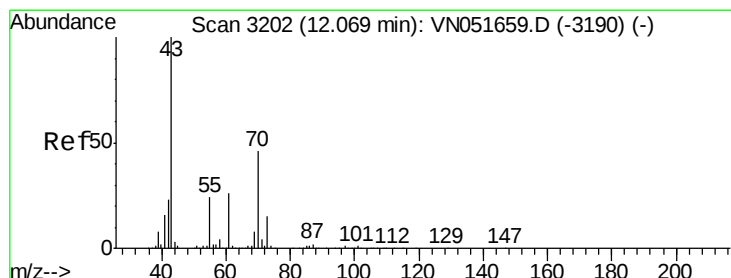
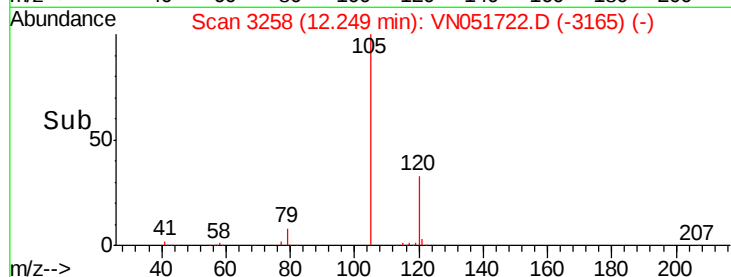
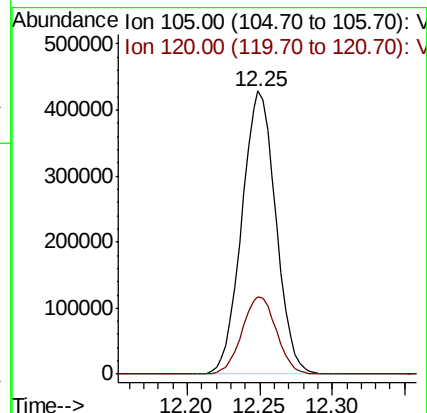
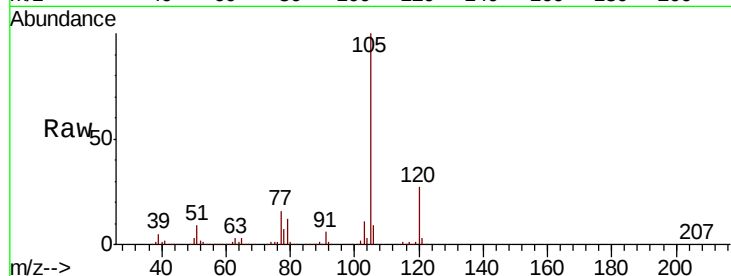
VN1008MBS01

Tot Ion:105 Resp: 698224

Ion Ratio Lower Upper

105 100

120 27.7 13.9 41.6



#74

N-ethyl acetate

Concen: 20.965 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Tgt Ion: 43 Resp: 160066

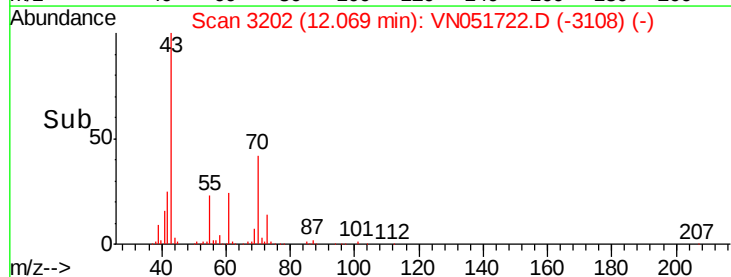
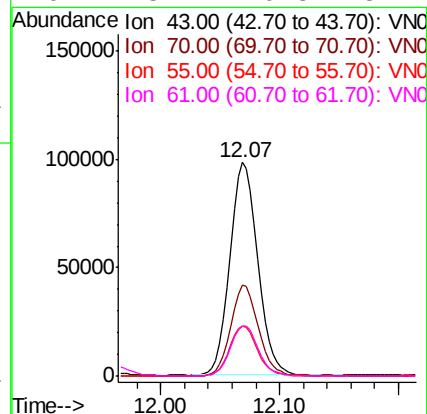
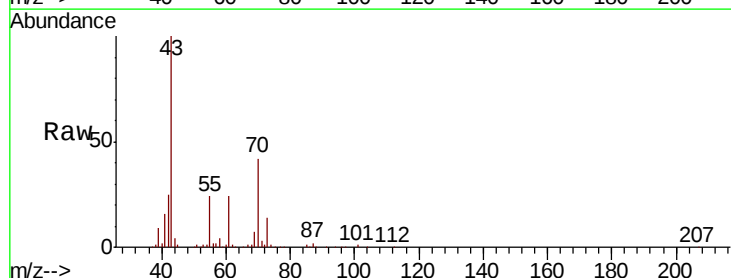
Ion Ratio Lower Upper

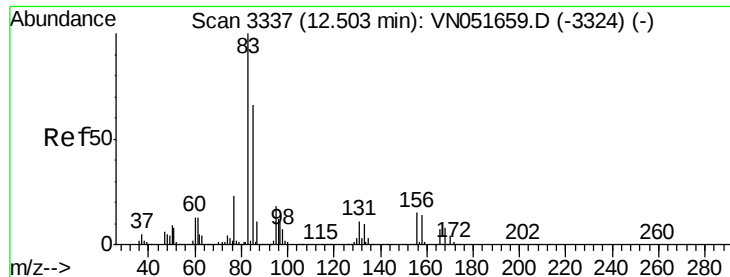
43 100

70 42.2 37.1 55.7

55 23.7 19.1 28.7

61 23.7 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.903 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

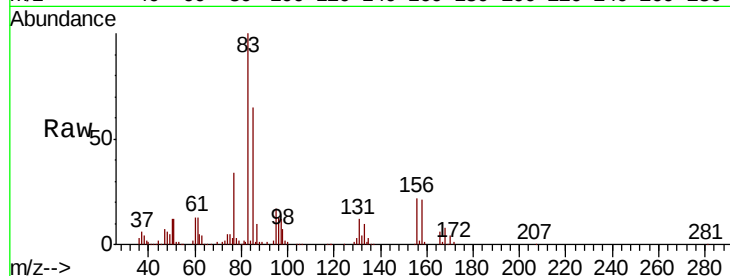
Tot Ion: 83 Resp: 152030

Ion Ratio Lower Upper

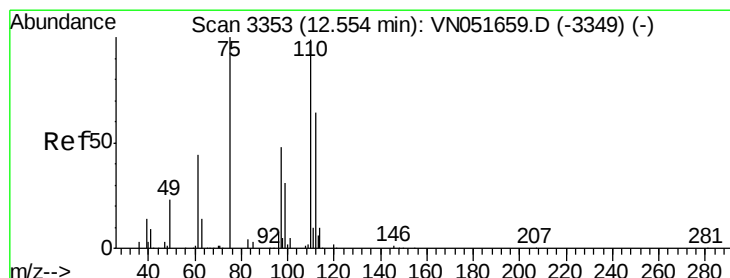
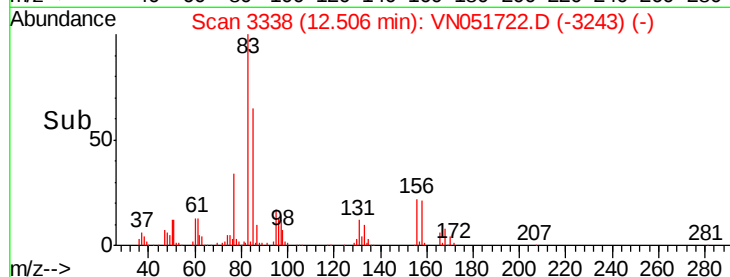
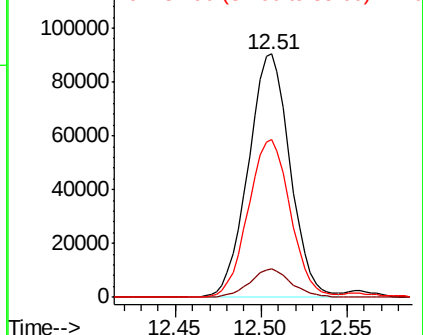
83 100

131 11.5 5.7 17.1

85 65.4 33.0 98.9



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



#76

1,2,3-Trichloropropane

Concen: 36.562 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051722.D

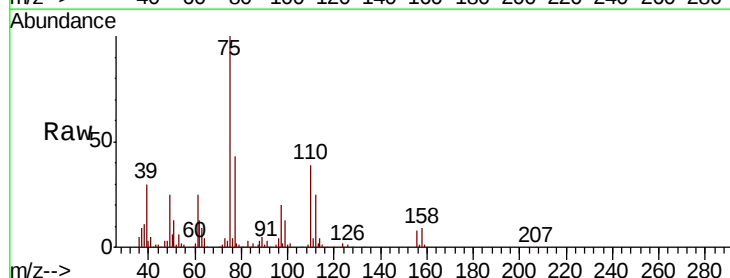
Acq: 8 Oct 2018 9:37

Tgt Ion: 75 Resp: 185910

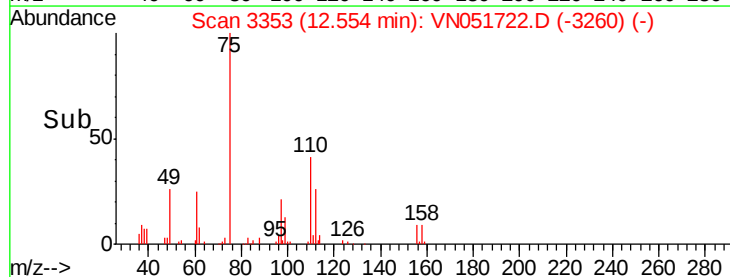
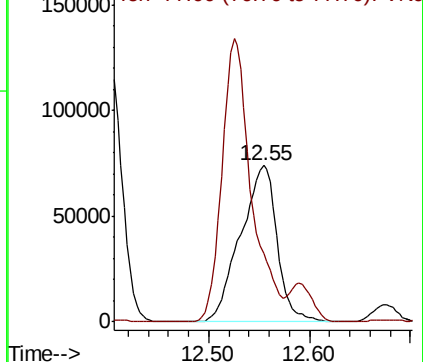
Ion Ratio Lower Upper

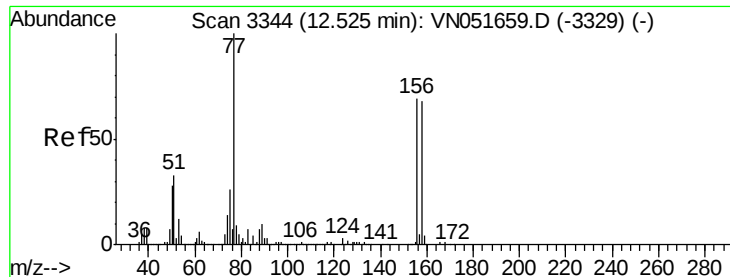
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 19.834 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

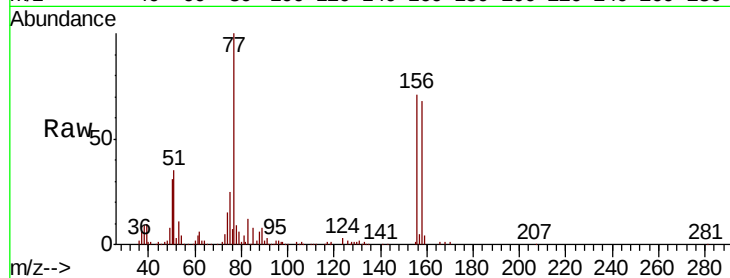
Tot Ion:156 Resp: 164220

Ion Ratio Lower Upper

156 100

77 166.4 83.2 249.4

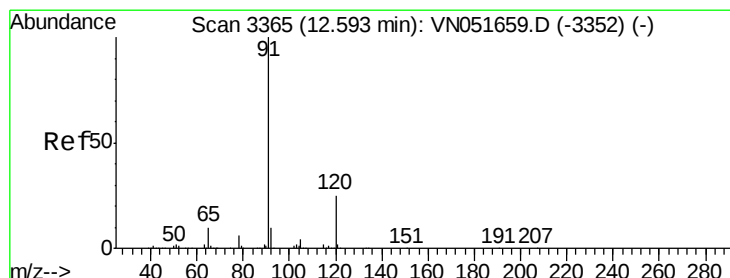
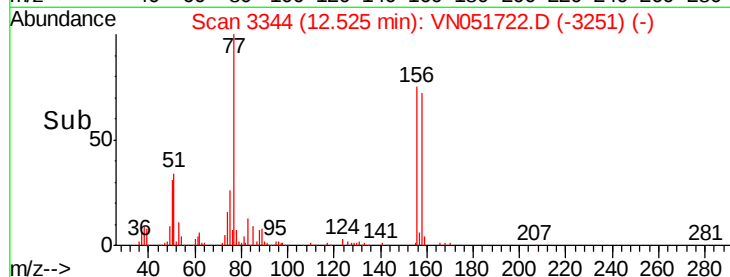
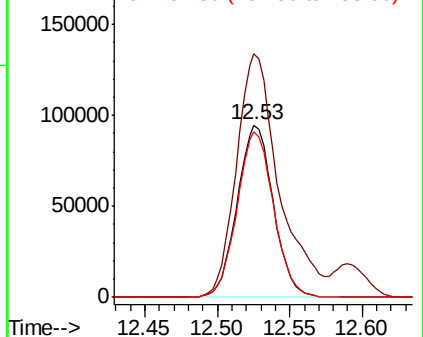
158 96.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.543 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN051722.D

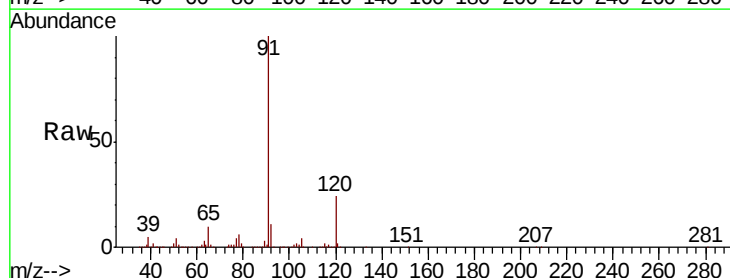
Acq: 8 Oct 2018 9:37

Tgt Ion: 91 Resp: 758739

Ion Ratio Lower Upper

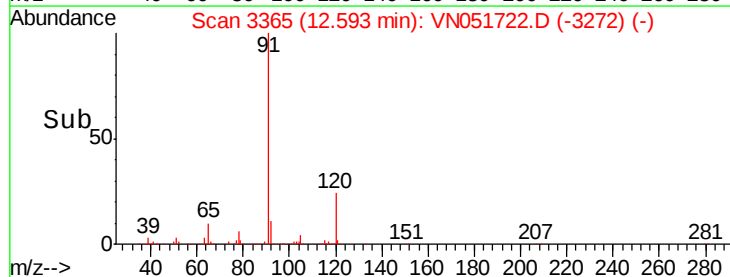
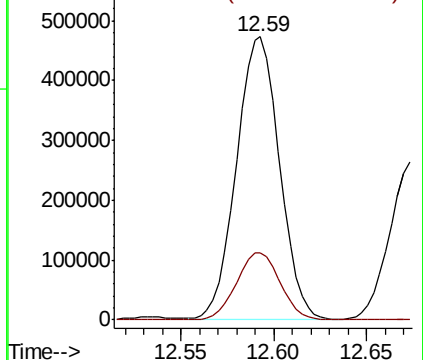
91 100

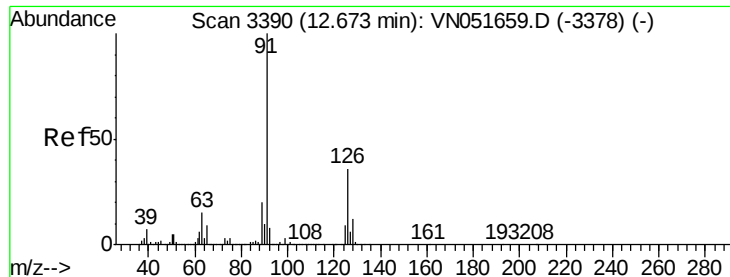
120 24.2 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.336 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

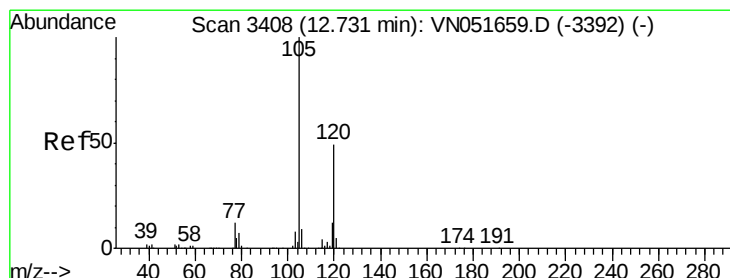
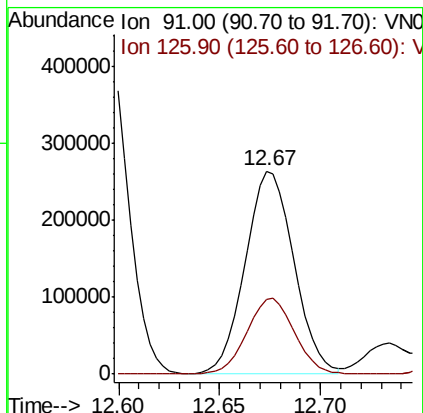
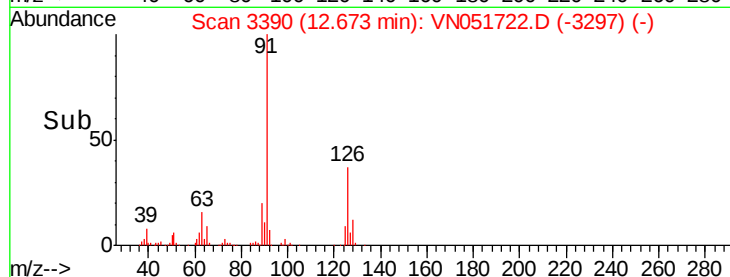
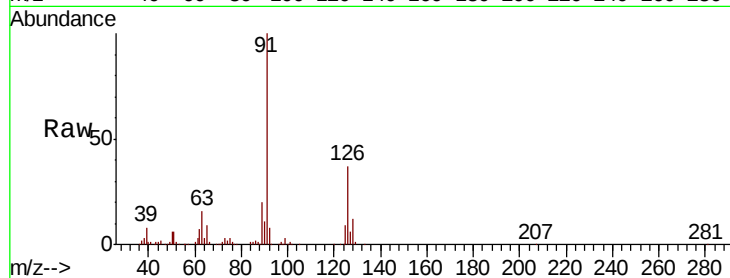
VN1008MBS01

Tot Ion: 91 Resp: 442667

Ion Ratio Lower Upper

91 100

126 36.6 18.5 55.5



#80

1,3,5-Trimethylbenzene

Concen: 20.470 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051722.D

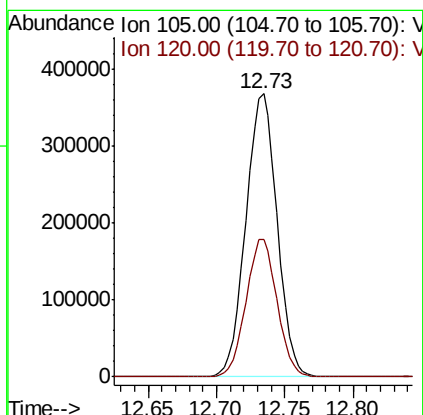
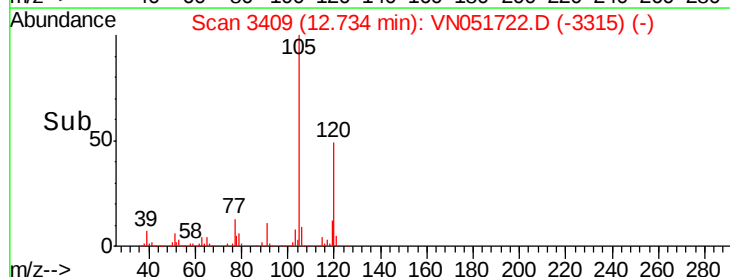
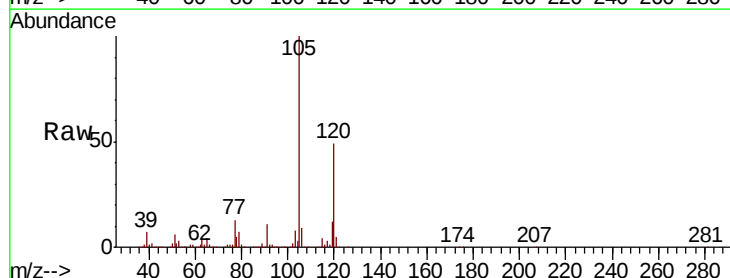
Acq: 8 Oct 2018 9:37

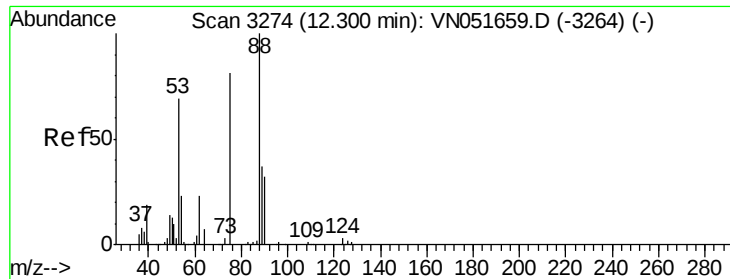
Tgt Ion: 105 Resp: 584141

Ion Ratio Lower Upper

105 100

120 48.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.014 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

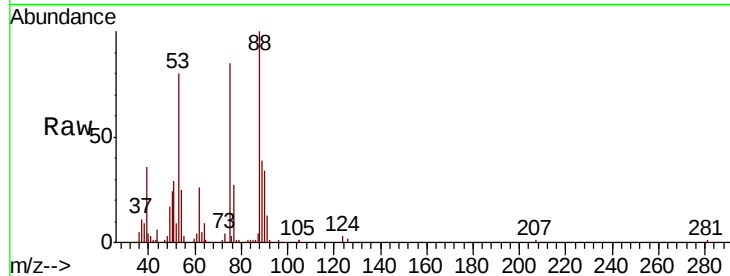
Tot Ion: 75 Resp: 41090

Ion Ratio Lower Upper

75 100

53 96.9 68.6 102.8

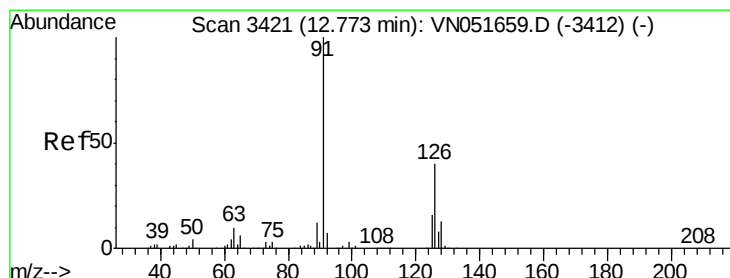
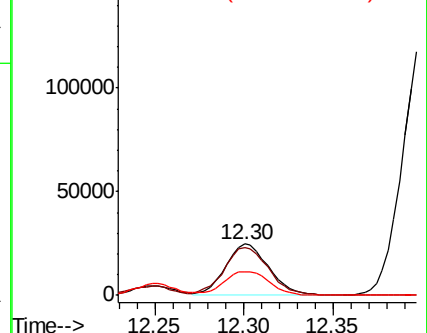
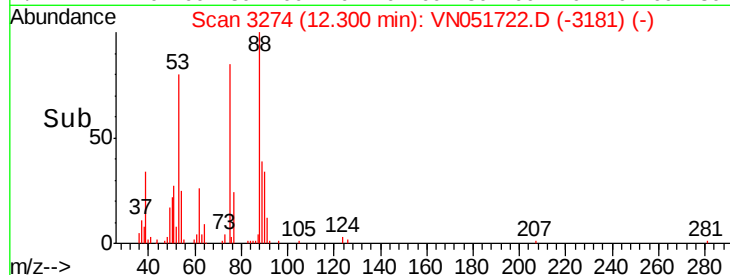
89 50.3 39.4 59.2



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: 19.923 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051722.D

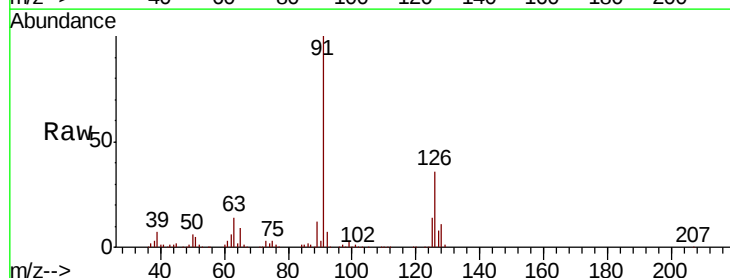
Acq: 8 Oct 2018 9:37

Tgt Ion: 91 Resp: 435653

Ion Ratio Lower Upper

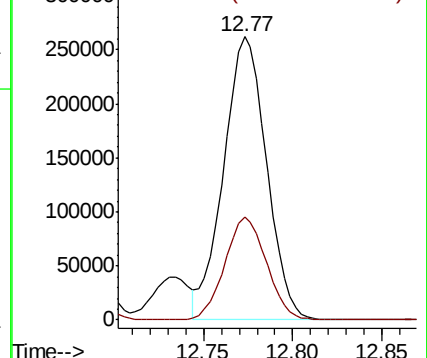
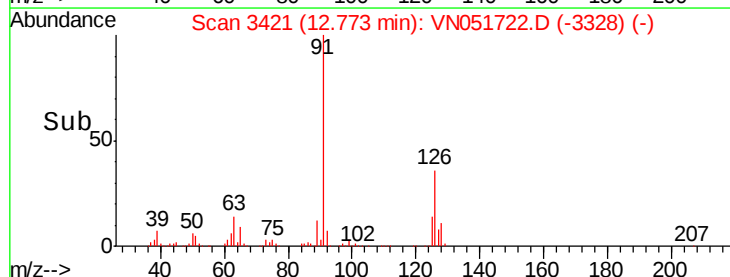
91 100

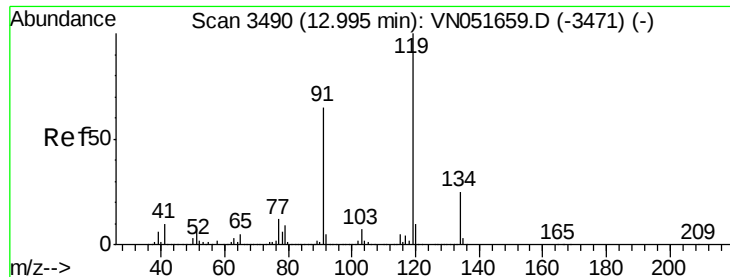
126 35.4 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

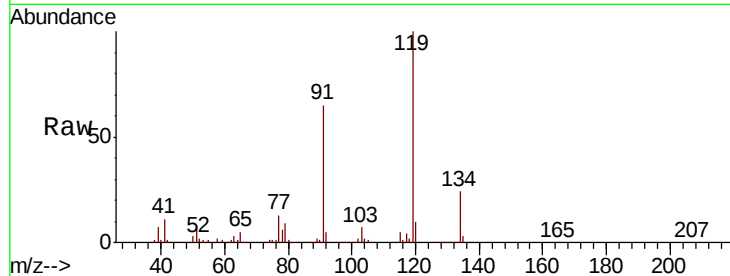




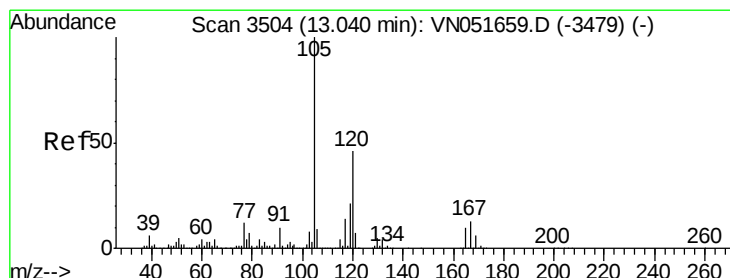
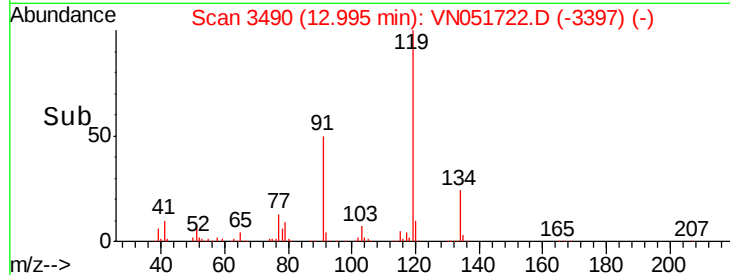
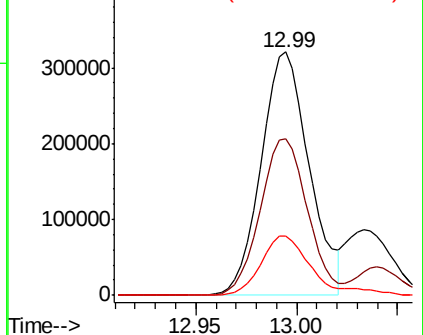
#83
 tert-Butylbenzene
 Concen: 20.867 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

Tot Ion:119 Resp: 533585
 Ion Ratio Lower Upper
 119 100
 91 63.6 32.1 96.5
 134 25.9 13.3 39.9

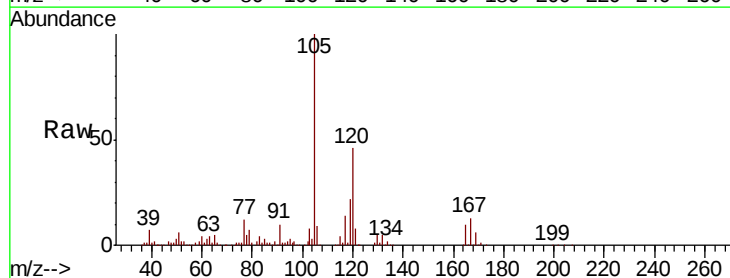


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

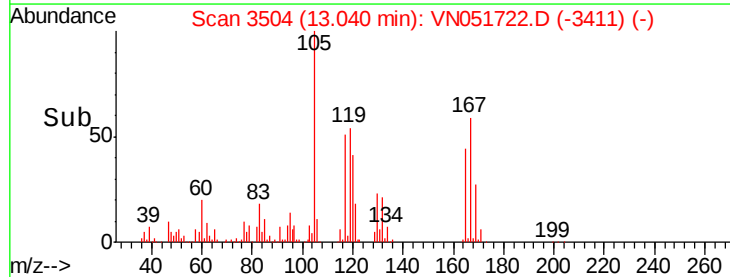
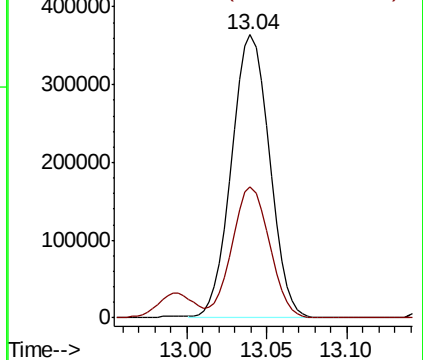


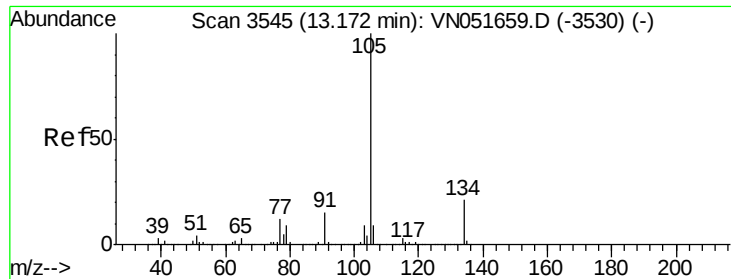
#84
 1,2,4-Trimethylbenzene
 Concen: 20.608 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion:105 Resp: 589054
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.7



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





#85

sec-Butylbenzene

Concen: 20.954 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

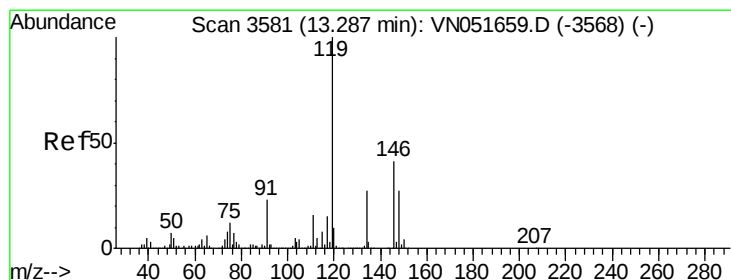
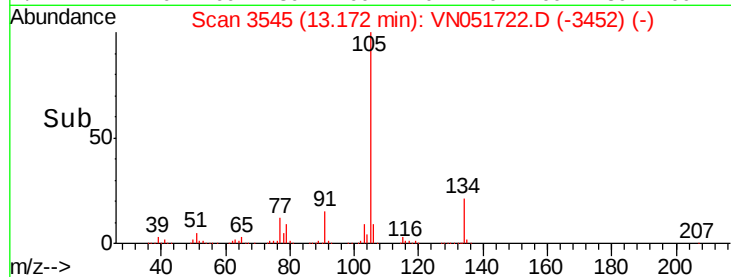
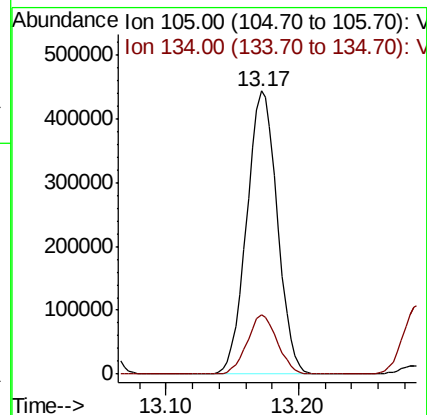
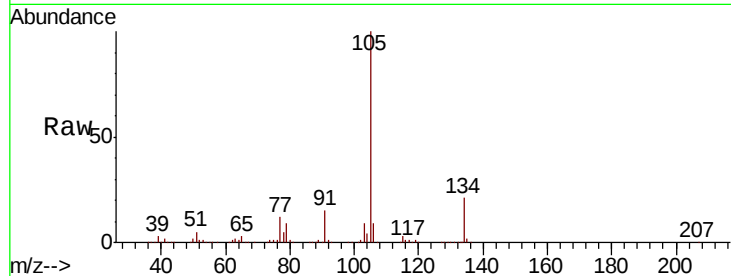
VN1008MBS01

Tot Ion:105 Resp: 708755

Ion Ratio Lower Upper

105 100

134 20.6 10.5 31.6



#86

p-Isopropyltoluene

Concen: 20.586 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

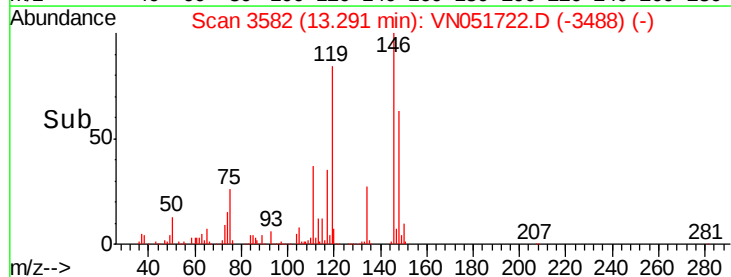
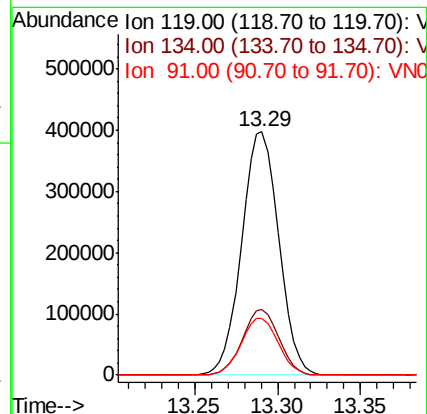
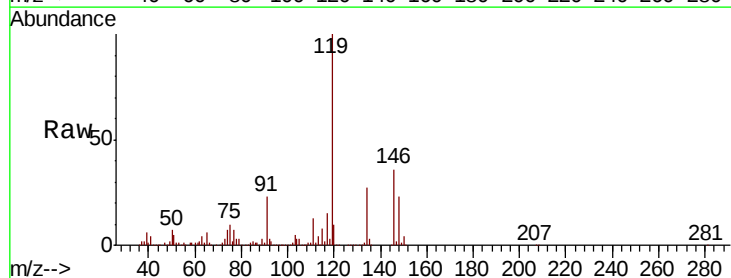
Tgt Ion:119 Resp: 617296

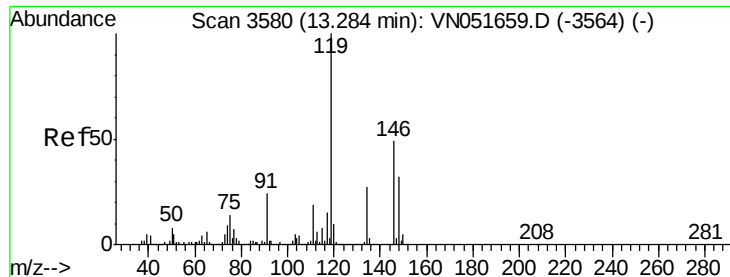
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 23.3 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 20.128 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

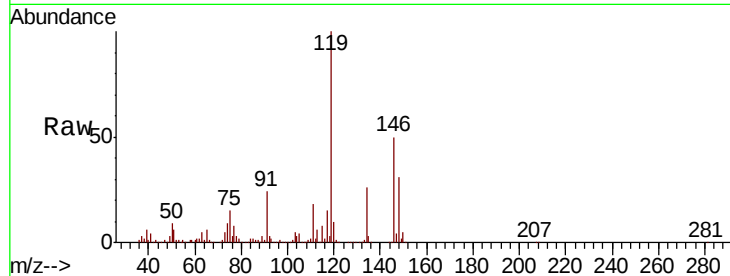
Tot Ion:146 Resp: 290401

Ion Ratio Lower Upper

146 100

111 37.8 19.3 57.9

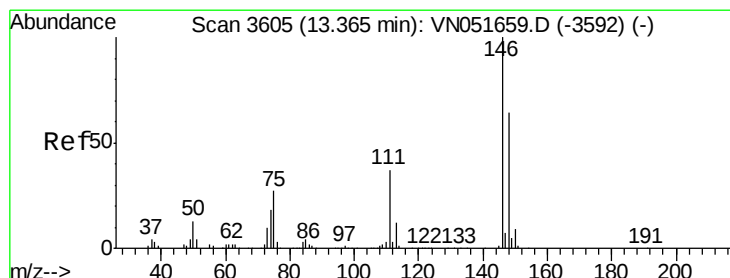
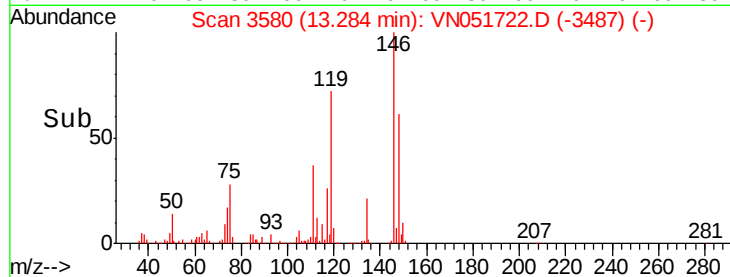
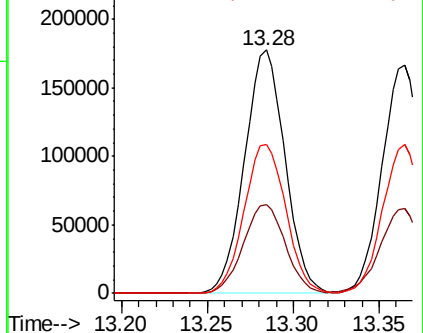
148 62.9 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.536 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

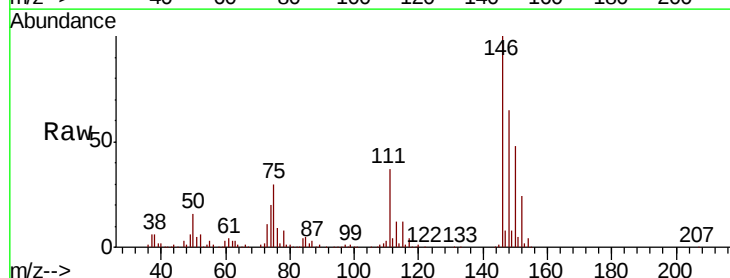
Tgt Ion:146 Resp: 277434

Ion Ratio Lower Upper

146 100

111 38.6 18.6 55.8

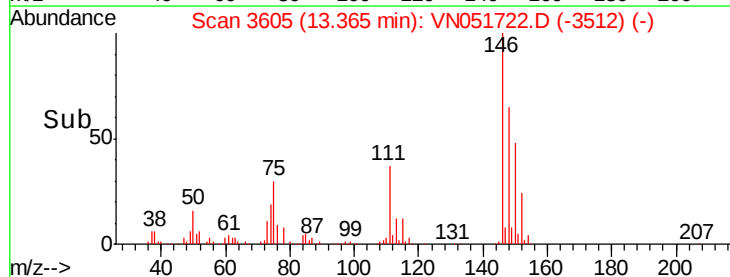
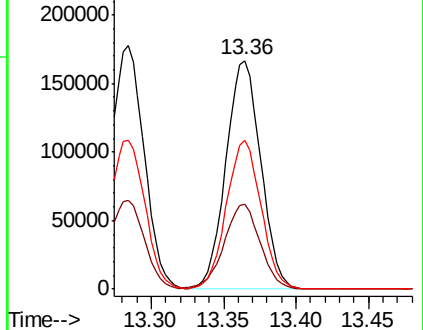
148 64.5 32.3 96.8

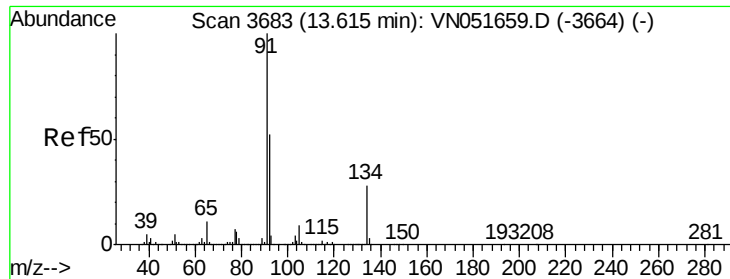


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.932 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

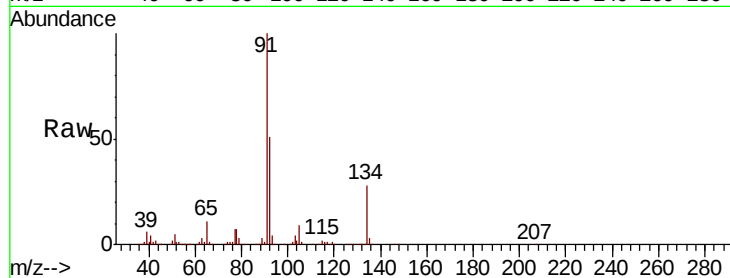
Tot Ion: 91 Resp: 472559

Ion Ratio Lower Upper

91 100

92 51.2 26.0 78.0

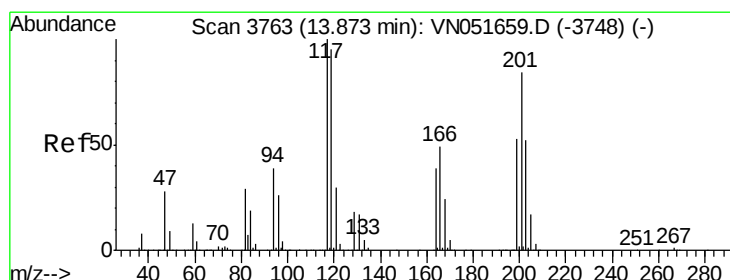
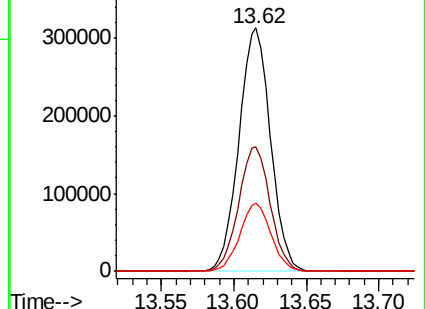
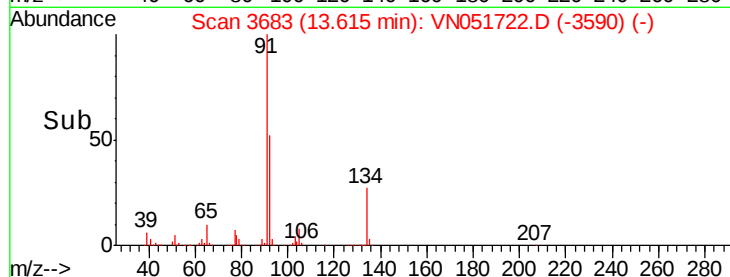
134 27.6 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VN051659.D (-3664) (-)

Ion 92.00 (91.70 to 92.70): VN051659.D (-3664) (-)

Ion 134.00 (133.70 to 134.70): VN051659.D (-3664) (-)



#90

Hexachloroethane

Concen: 20.744 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051722.D

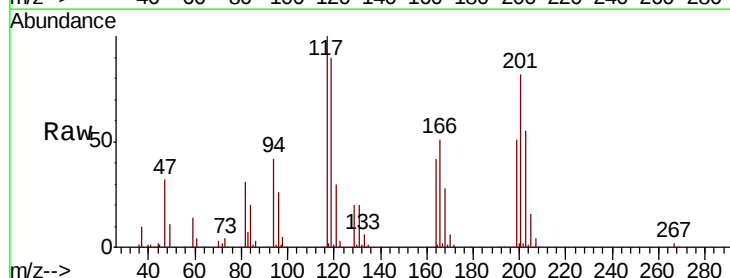
Acq: 8 Oct 2018 9:37

Tgt Ion: 117 Resp: 124103

Ion Ratio Lower Upper

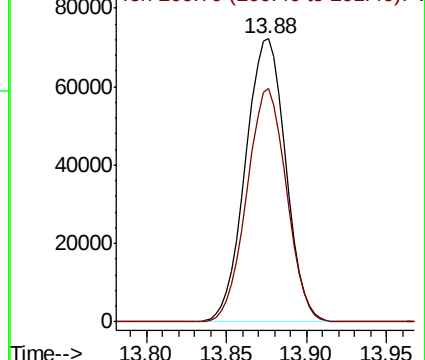
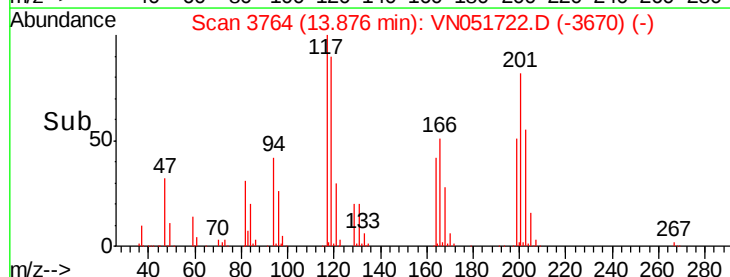
117 100

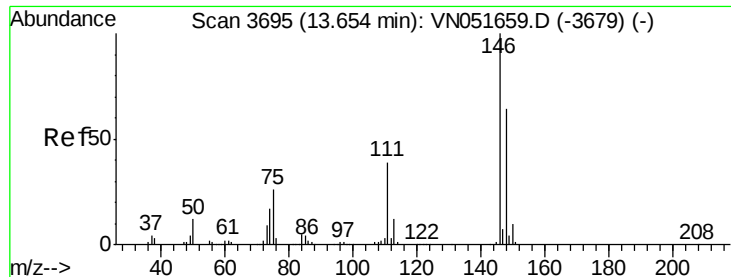
201 81.4 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): VN051659.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN051659.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 19.453 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN1008MBS01

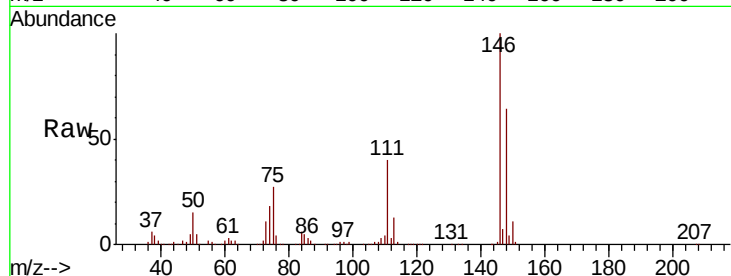
Tot Ion:146 Resp: 279011

Ion Ratio Lower Upper

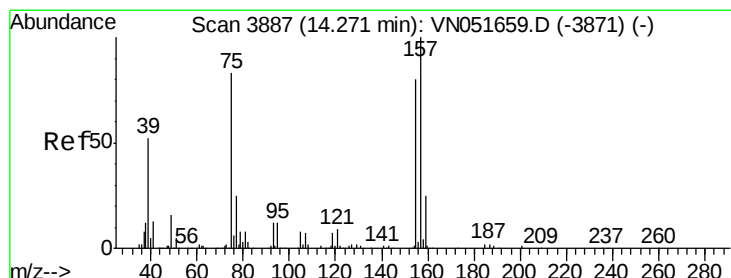
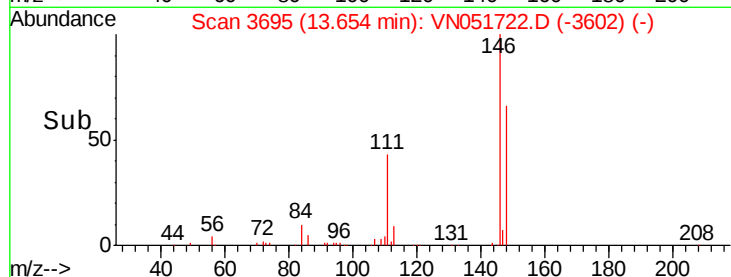
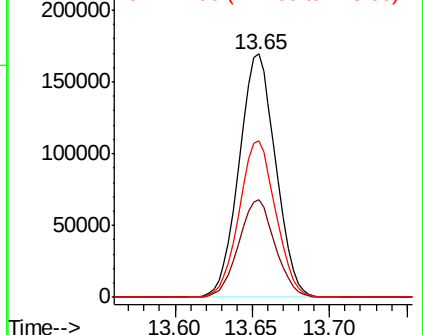
146 100

111 39.9 19.7 59.0

148 64.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.942 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

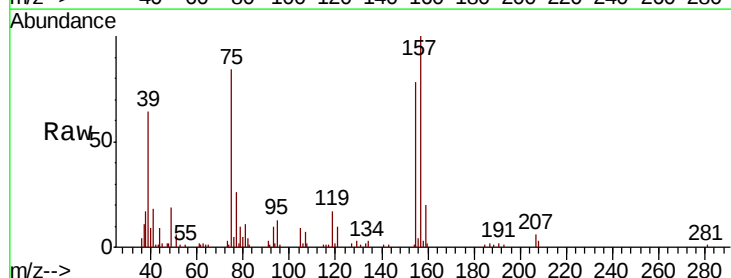
Tgt Ion: 75 Resp: 24911

Ion Ratio Lower Upper

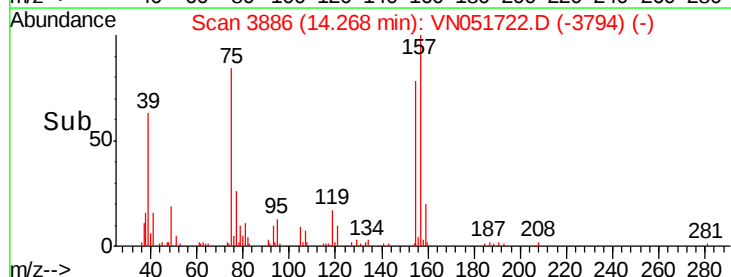
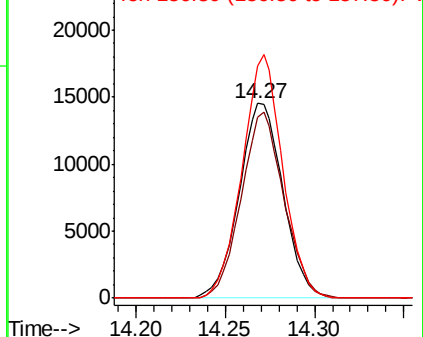
75 100

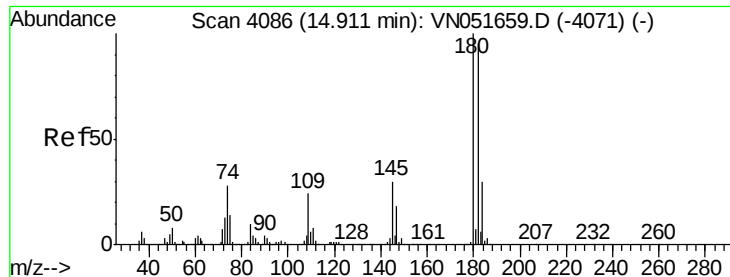
155 93.1 47.6 142.9

157 115.8 61.7 185.1



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

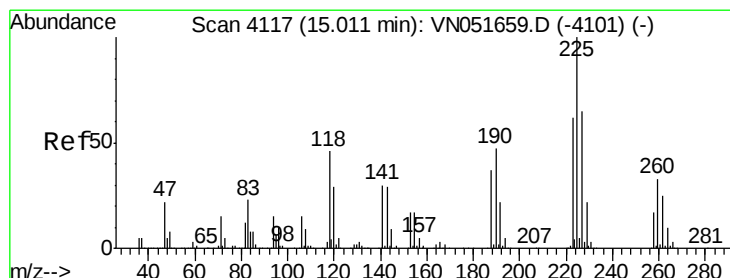
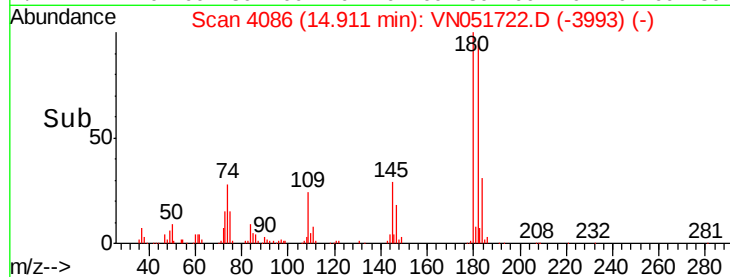
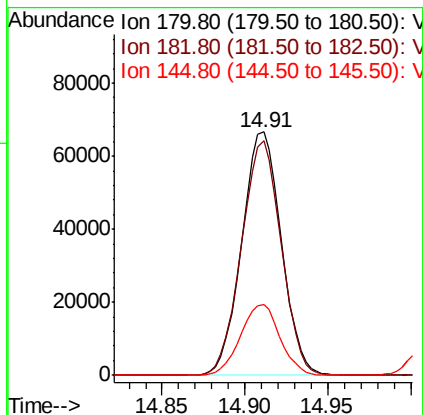
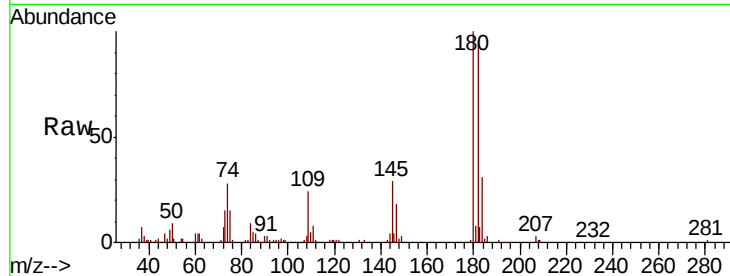




#93
 1,2,4-Trichlorobenzene
 Concen: 17.311 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

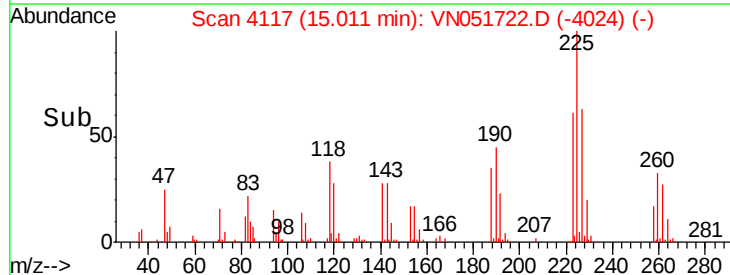
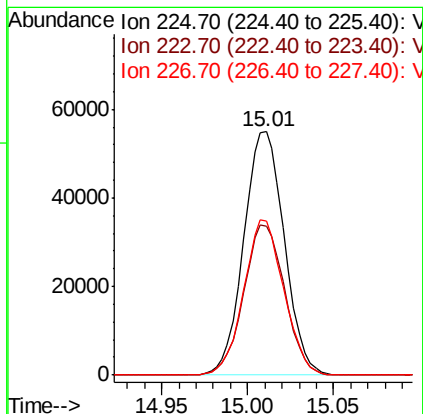
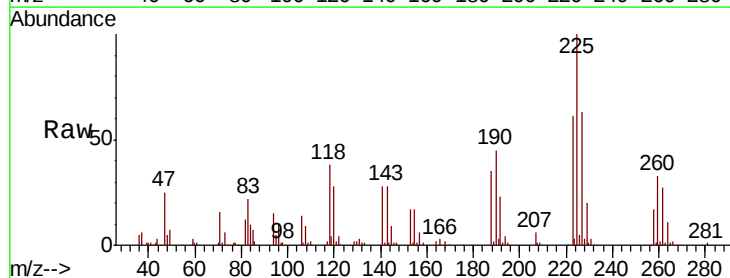
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008MBS01

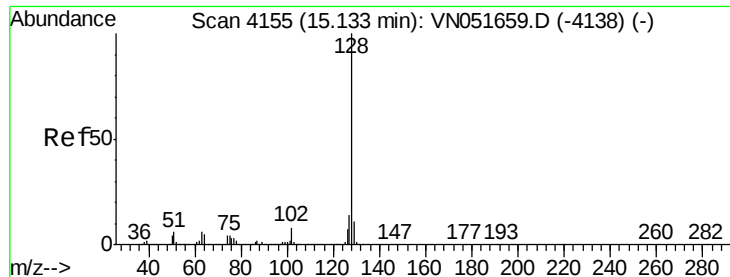
Tot Ion:180 Resp: 110481
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.7 143.1
 145 29.1 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 20.703 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051722.D
 Acq: 8 Oct 2018 9:37

Tgt Ion:225 Resp: 89649
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.9 95.5
 227 63.1 31.7 95.1





#95

Naphthalene

Concen: 16.288 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN1008MBS01

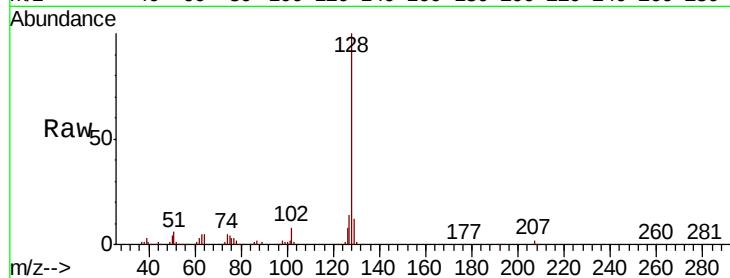
Tot Ion:128 Resp: 224477

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

129 11.1 9.0 13.6



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

15.13

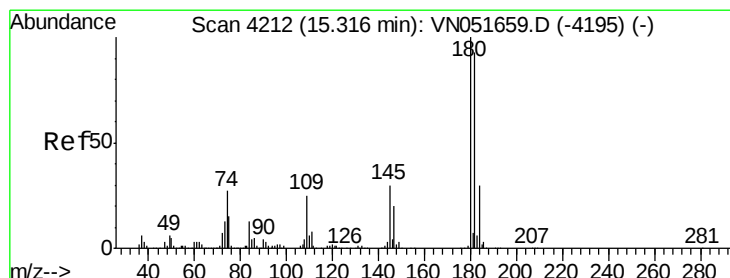
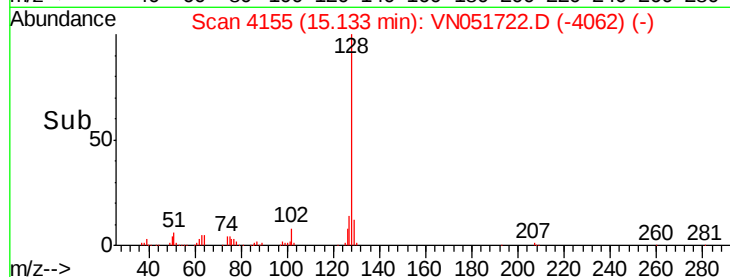
100000

50000

0

15.10 15.20

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 18.224 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051722.D

Acq: 8 Oct 2018 9:37

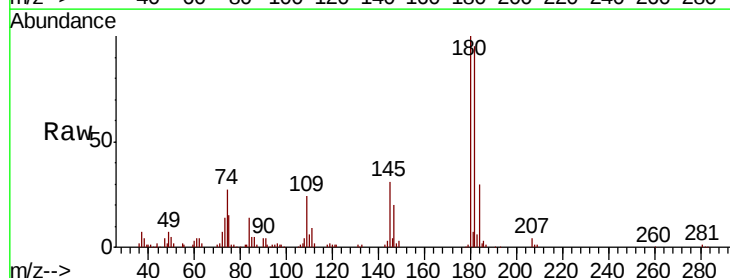
Tgt Ion:180 Resp: 114547

Ion Ratio Lower Upper

180 100

182 97.4 47.3 141.8

145 30.6 15.6 46.8



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

15.31

80000

60000

40000

20000

0

15.25 15.30 15.35 15.40

Time-->

