

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051752.D
 Acq On : 9 Oct 2018 16:51
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 10 03:30:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	663303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	977297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	933132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	534098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	400988	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
35) Dibromofluoromethane	7.59	113	377949	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.09	98	1384751	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.40	95	502479	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	387081	46.739	ug/l	99
3) Chloromethane	2.06	50	323775	42.772	ug/l	98
4) Vinyl Chloride	2.18	62	495874	41.586	ug/l	99
5) Bromomethane	2.56	94	417725	45.553	ug/l	99
6) Chloroethane	2.70	64	338767	42.271	ug/l	97
7) Trichlorofluoromethane	3.01	101	636214	51.284	ug/l	100
8) Diethyl Ether	3.41	74	170482	49.063	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	316747	47.792	ug/l	97
10) Methyl Iodide	3.95	142	419485	47.971	ug/l	100
11) Tert butyl alcohol	4.80	59	150887	253.372	ug/l	100
12) 1,1-Dichloroethene	3.74	96	280141	45.351	ug/l	96
13) Acrolein	3.61	56	64209	161.122	ug/l	98
14) Allyl chloride	4.33	41	390238	41.421	ug/l	98
15) Acrylonitrile	4.99	53	503554	245.039	ug/l	100
16) Acetone	3.82	43	397095	272.537	ug/l	99
17) Carbon Disulfide	4.05	76	752525	40.079	ug/l	100
18) Methyl Acetate	4.33	43	256755	53.087	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	965730	47.364	ug/l	99
20) Methylene Chloride	4.55	84	332573	46.131	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	329098	44.959	ug/l	93
22) Diisopropyl ether	5.96	45	886870	43.914	ug/l	97
23) Vinyl Acetate	5.90	43	3290188	221.569	ug/l	96
24) 1,1-Dichloroethane	5.85	63	577973	44.499	ug/l	98
25) 2-Butanone	6.84	43	612089	241.904	ug/l	94
26) 2,2-Dichloropropane	6.83	77	587705	45.152	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	400080	47.082	ug/l	94
28) Bromochloromethane	7.20	49	244577	42.534	ug/l	85
29) Tetrahydrofuran	7.21	42	380066	244.768	ug/l	93
30) Chloroform	7.37	83	691950	47.415	ug/l	98
31) Cyclohexane	7.66	56	498647	41.920	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	661731	46.782	ug/l	98
36) 1,1-Dichloropropene	7.80	75	487648	47.738	ug/l	97
37) Ethyl Acetate	6.93	43	257644	48.359	ug/l	97
38) Carbon Tetrachloride	7.78	117	606173	49.453	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	632353	49.315	ug/l	97
40) Benzene	8.04	78	1470688	48.566	ug/l	98
41) Methacrylonitrile	7.18	41	132394	48.219	ug/l	94
42) 1,2-Dichloroethane	8.13	62	494958	48.499	ug/l	99
43) Isopropyl Acetate	8.17	43	539272	48.549	ug/l #	86
44) Trichloroethene	8.84	130	445586	51.822	ug/l	100
45) 1,2-Dichloropropane	9.12	63	355664	47.504	ug/l	100
46) Dibromomethane	9.21	93	275287	52.898	ug/l	99
47) Bromodichloromethane	9.40	83	560196	48.899	ug/l	99
48) Methyl methacrylate	9.20	41	247911	48.843	ug/l	94
49) 1,4-Dioxane	9.20	88	88011	1156.391	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1436053	255.132	ug/l	98
52) Toluene	10.16	92	1010110	50.152	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	573085	48.480	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	605474	48.234	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	379705	52.921	ug/l	98
56) Ethyl methacrylate	10.43	69	477617	52.639	ug/l	94
57) 1,3-Dichloropropane	10.71	76	584177	51.443	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	959269	255.450	ug/l	95
59) 2-Hexanone	10.75	43	976620	255.485	ug/l	98
60) Dibromochloromethane	10.90	129	487680	51.939	ug/l	100
61) 1,2-Dibromoethane	11.01	107	405136	53.413	ug/l	99
64) Tetrachloroethene	10.63	164	424909	51.613	ug/l	98
65) Chlorobenzene	11.43	112	1188052	51.407	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	469338	50.720	ug/l	99
67) Ethyl Benzene	11.51	91	1997014	49.994	ug/l	100
68) m/p-Xylenes	11.62	106	1625879	101.727	ug/l	98
69) o-Xylene	11.95	106	793877	50.648	ug/l	99
70) Styrene	11.96	104	1276506	51.109	ug/l	98
71) Bromoform	12.13	173	351967	51.137	ug/l #	100
73) Isopropylbenzene	12.25	105	2139103	46.984	ug/l	100
74) N-amyl acetate	12.07	43	462328	49.072	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	483352	55.155	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	579946	90.732	ug/l #	100
77) Bromobenzene	12.53	156	544560	48.917	ug/l	95
78) n-propylbenzene	12.59	91	2343189	47.186	ug/l	99
79) 2-Chlorotoluene	12.68	91	1373378	46.926	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1817701	47.375	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	137766	47.415	ug/l	99
82) 4-Chlorotoluene	12.77	91	1405812	47.816	ug/l	98
83) tert-Butylbenzene	12.99	119	1671742	48.625	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1844663	47.998	ug/l	98
85) sec-Butylbenzene	13.17	105	2198681	48.347	ug/l	100
86) p-Isopropyltoluene	13.29	119	1986910	49.283	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1000119	51.558	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	961981	50.383	ug/l	100
89) n-Butylbenzene	13.62	91	1580516	49.582	ug/l	99
90) Hexachloroethane	13.88	117	367432	45.679	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	977151	50.672	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	78517	49.093	ug/l	93

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QLast Update : Tue Oct 09 06:03:49 2018
Response via : Initial Calibration

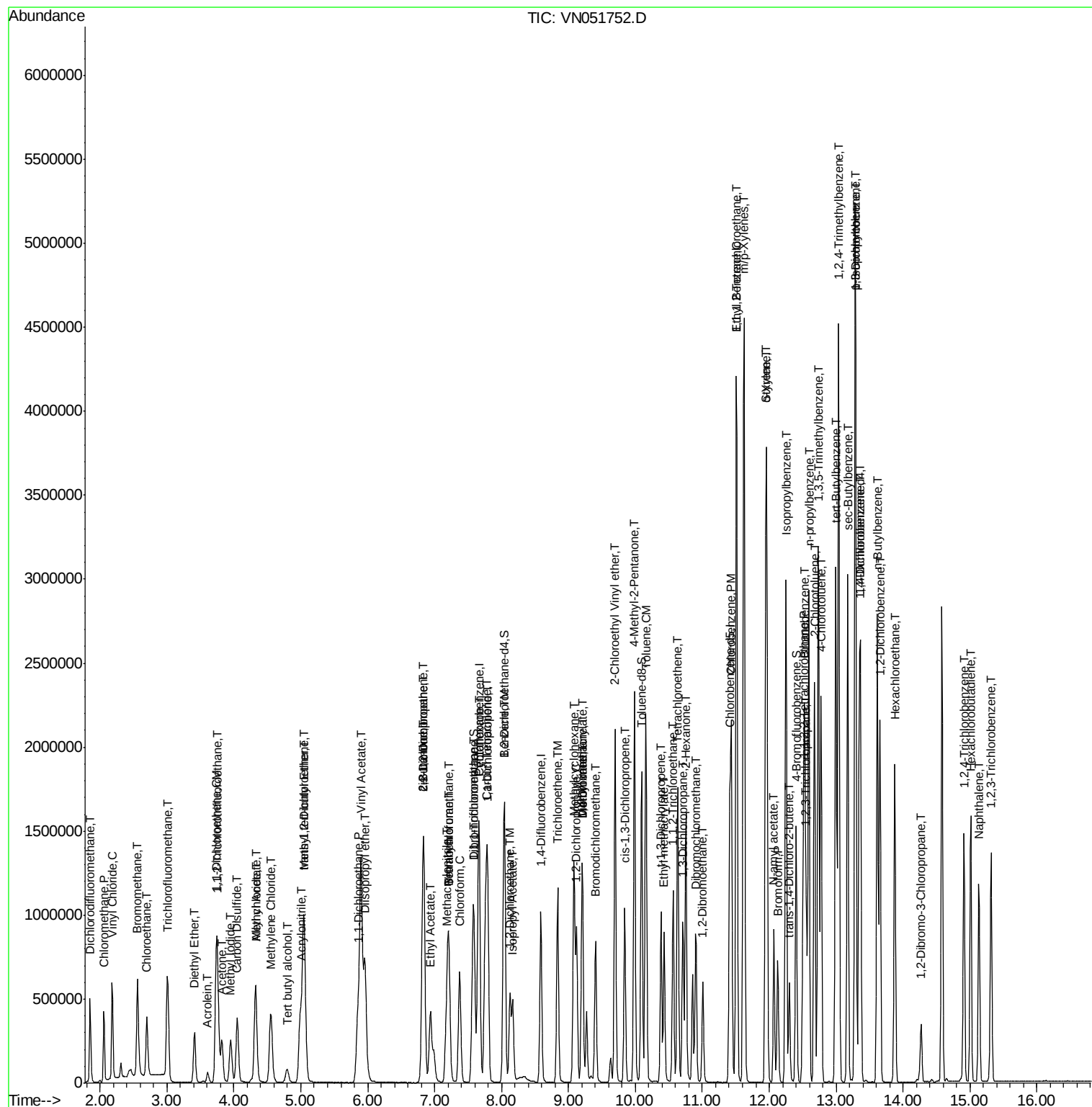
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	499516	58.213	ug/l	98
94) Hexachlorobutadiene	15.01	225	308474	52.984	ug/l	98
95) Naphthalene	15.13	128	1068587	57.668	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	481342	56.957	ug/l	98

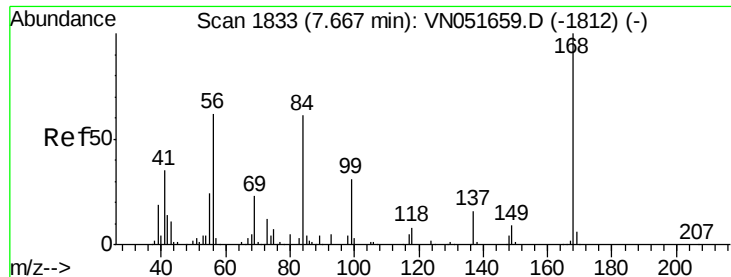
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

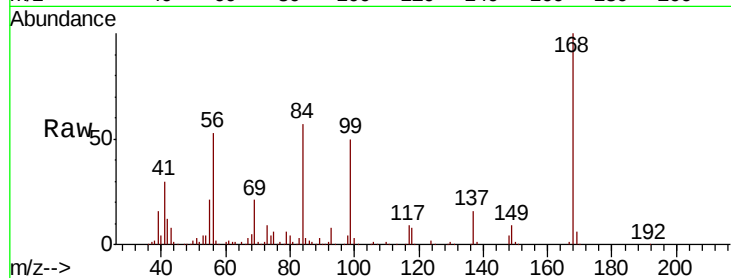
VSTDCCC050

Tot Ion:168 Resp: 663303

Ion Ratio Lower Upper

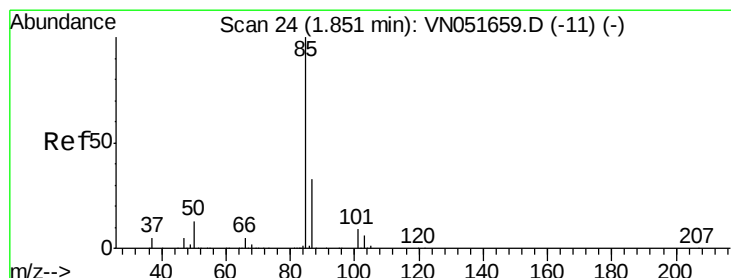
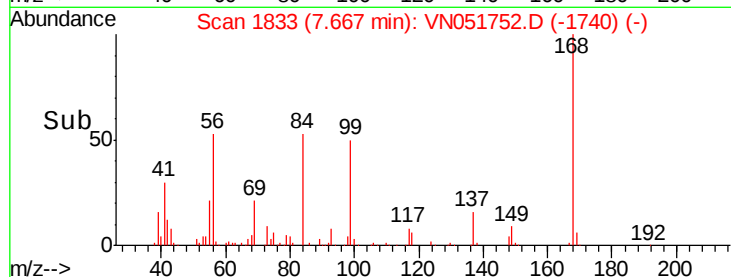
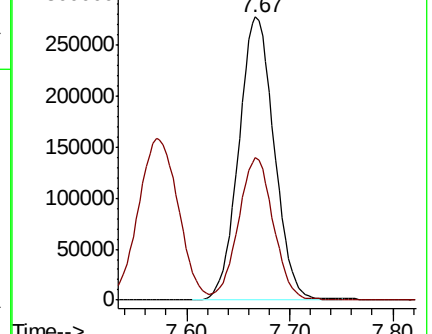
168 100

99 49.9 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.739 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051752.D

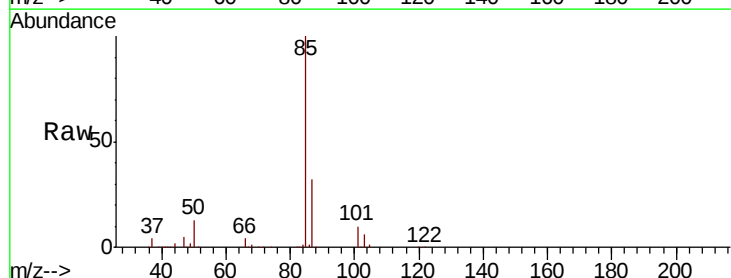
Acq: 9 Oct 2018 16:51

Tgt Ion: 85 Resp: 387081

Ion Ratio Lower Upper

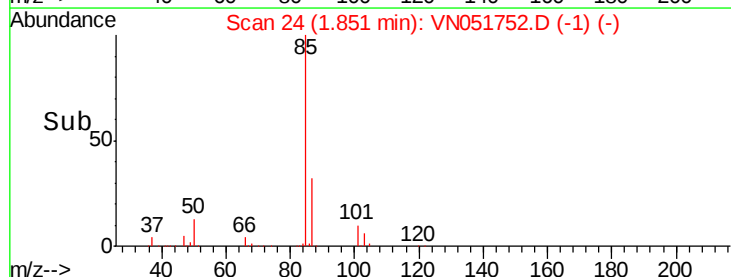
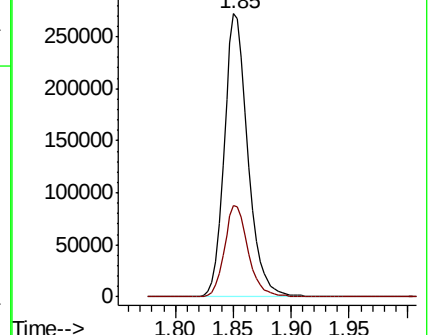
85 100

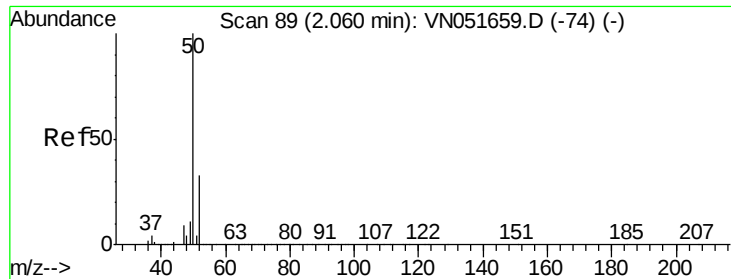
87 32.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.772 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

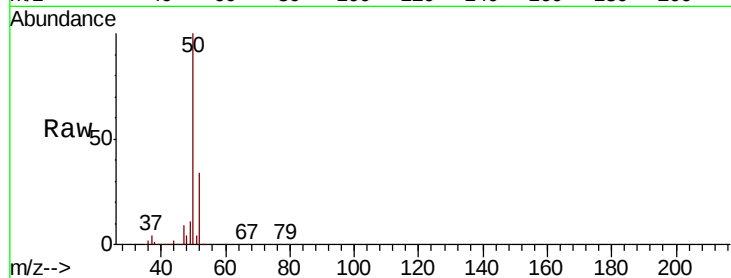
VSTDCCC050

Tot Ion: 50 Resp: 323775

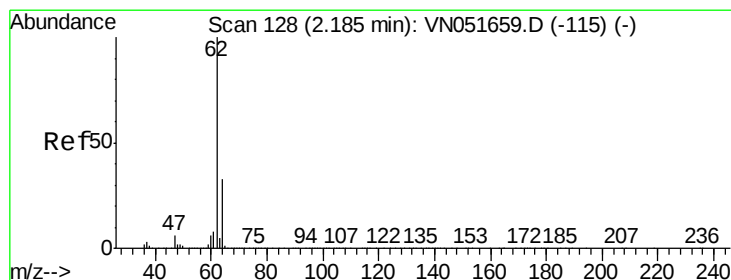
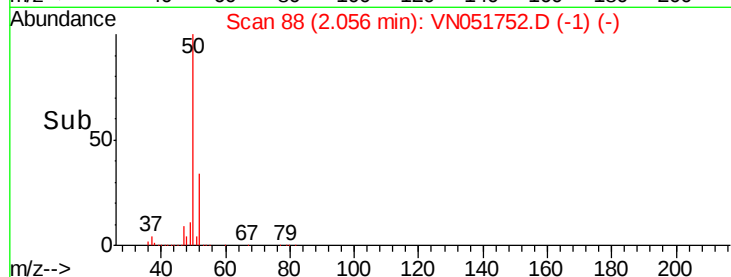
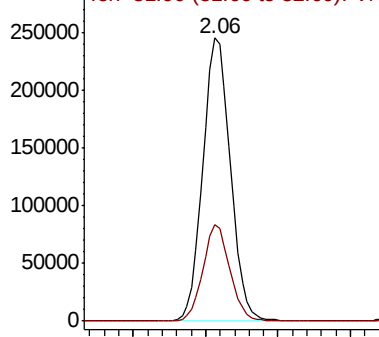
Ion Ratio Lower Upper

50 100

52 34.1 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 41.586 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051752.D

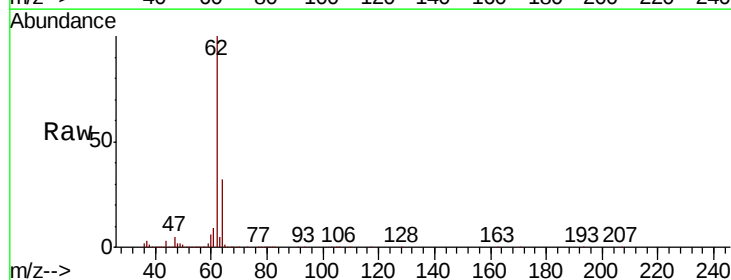
Acq: 9 Oct 2018 16:51

Tgt Ion: 62 Resp: 495874

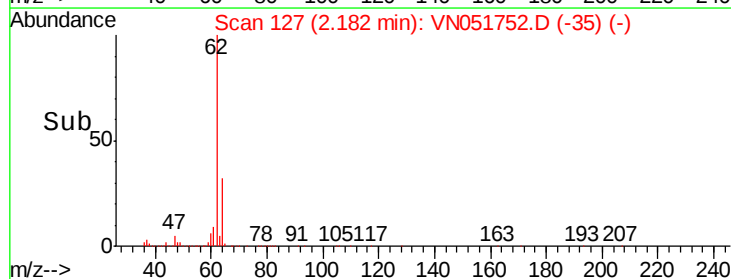
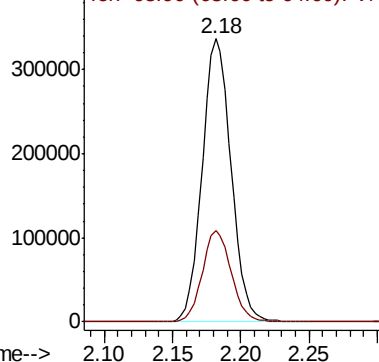
Ion Ratio Lower Upper

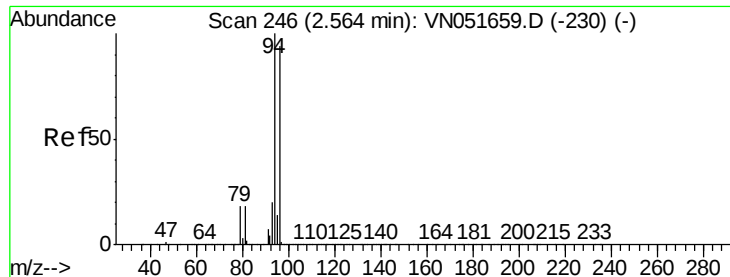
62 100

64 32.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 45.553 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

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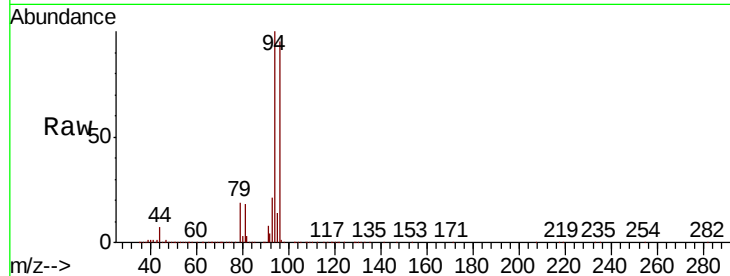
VSTDCCC050

Tot Ion: 94 Resp: 417725

Ion Ratio Lower Upper

94 100

96 95.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

200000

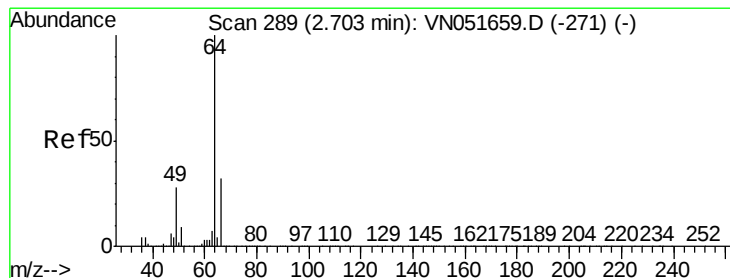
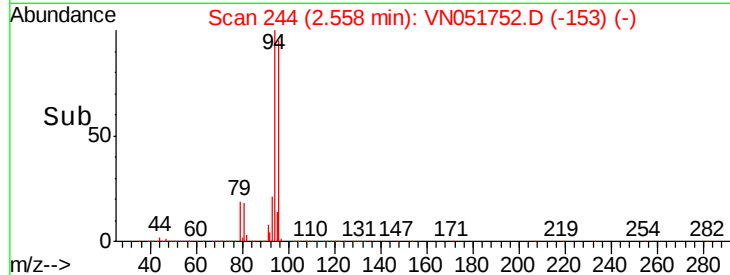
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 42.271 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051752.D

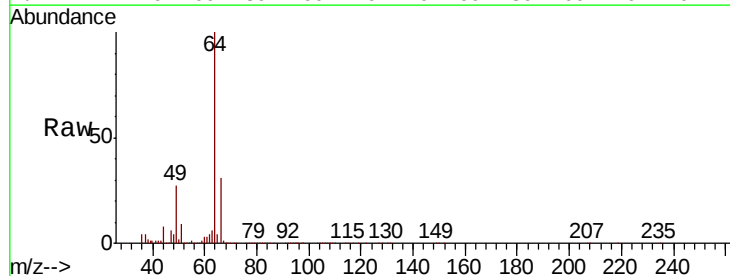
Acq: 9 Oct 2018 16:51

Tgt Ion: 64 Resp: 338767

Ion Ratio Lower Upper

64 100

66 30.7 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

200000

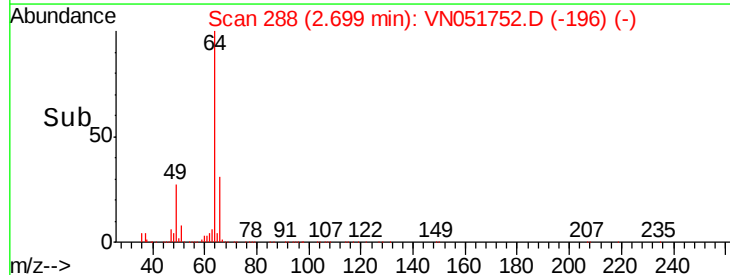
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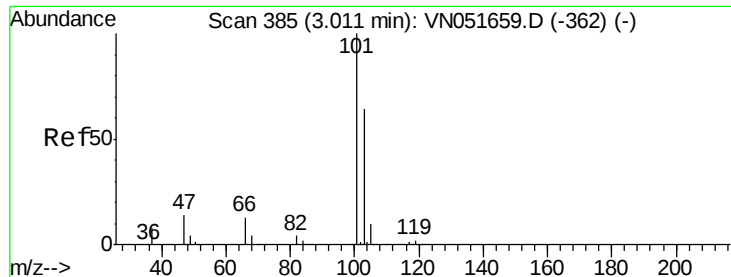
100000

50000

0

Time-->



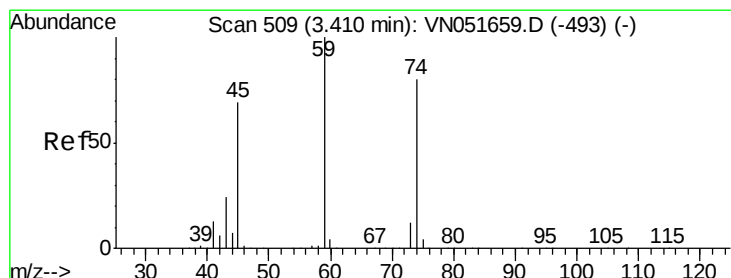
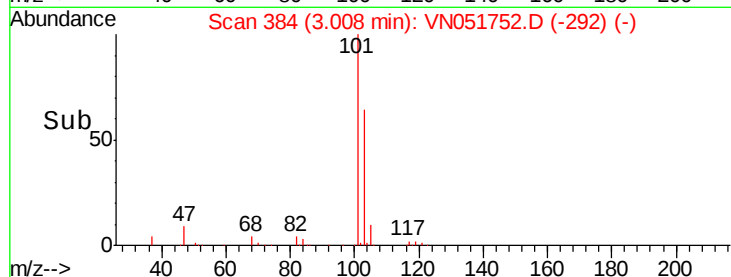
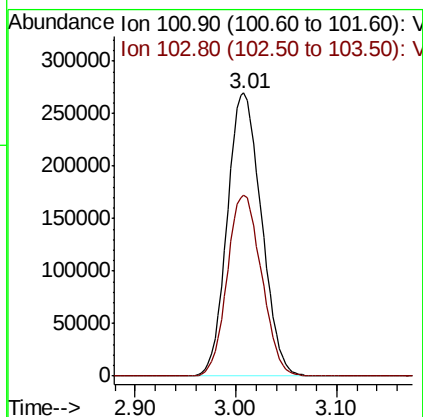
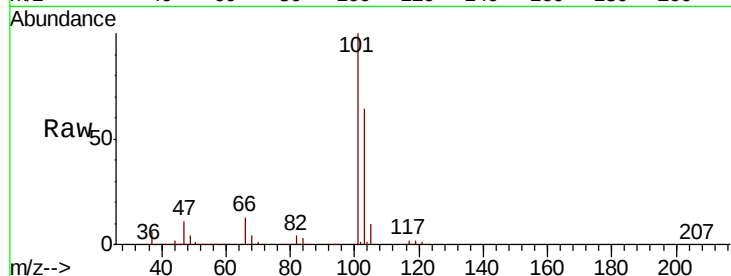


#7

Trichlorofluoromethane
Concen: 51.284 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN051752.D
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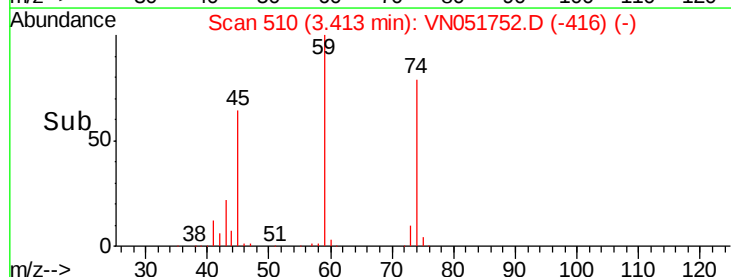
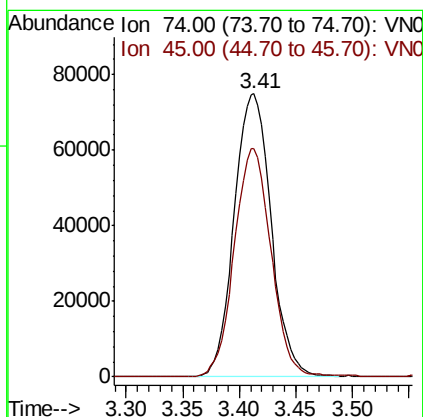
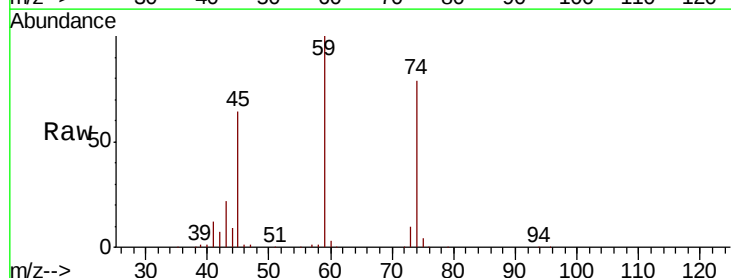
Tot Ion:101 Resp: 636214
Ion Ratio Lower Upper
101 100
103 64.0 51.1 76.7

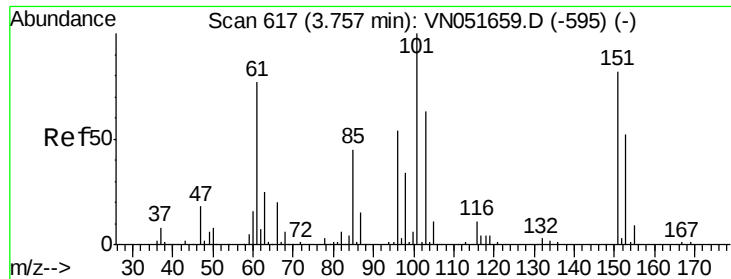


#8

Diethyl Ether
Concen: 49.063 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion: 74 Resp: 170482
Ion Ratio Lower Upper
74 100
45 80.4 44.3 132.9

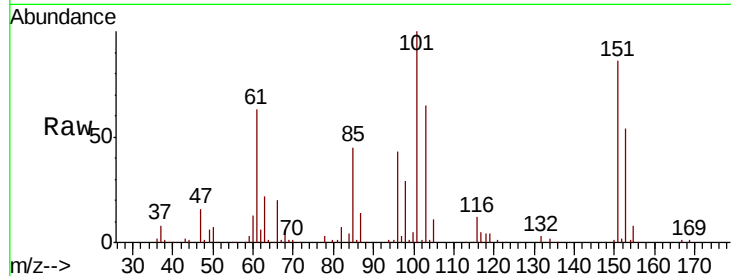




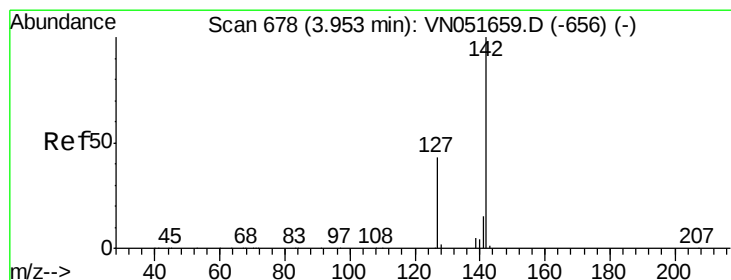
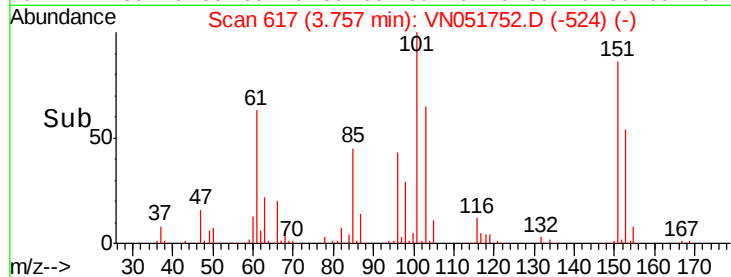
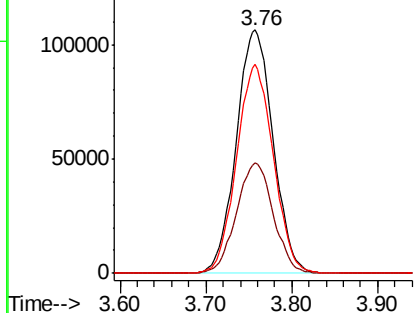
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.792 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 316747
 Ion Ratio Lower Upper
 101 100
 85 45.3 35.6 53.4
 151 85.7 65.5 98.3

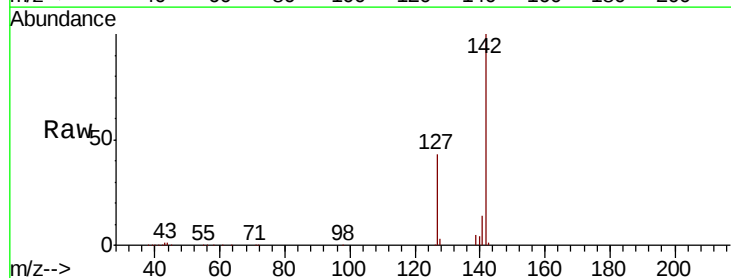


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VN
 Ion 150.80 (150.50 to 151.50): V

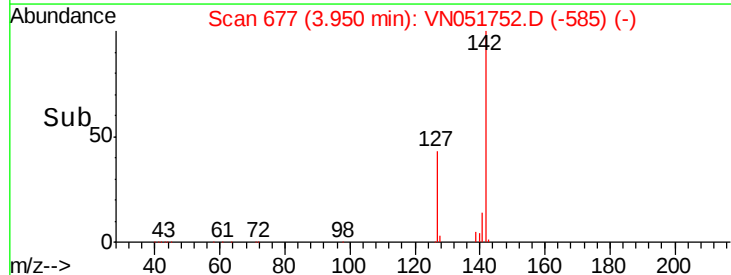
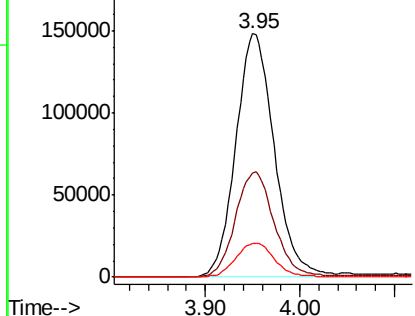


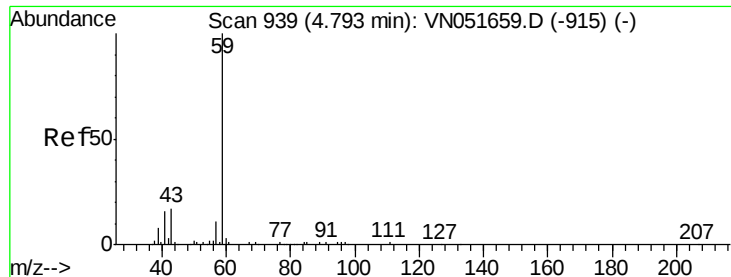
#10
 Methyl Iodide
 Concen: 47.971 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion:142 Resp: 419485
 Ion Ratio Lower Upper
 142 100
 127 43.6 34.7 52.1
 141 14.2 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



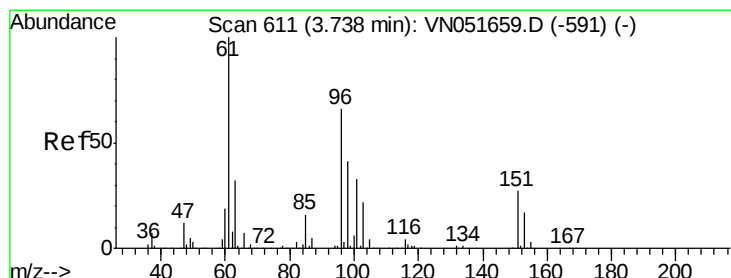
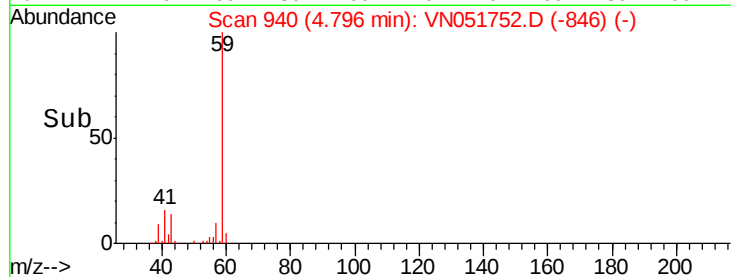
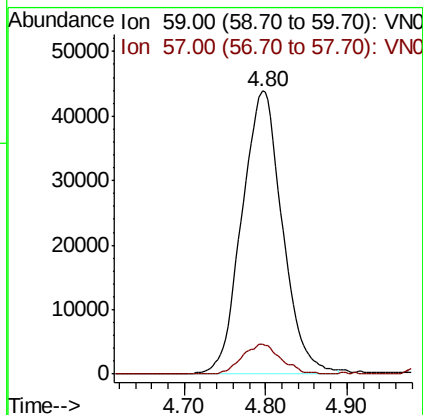
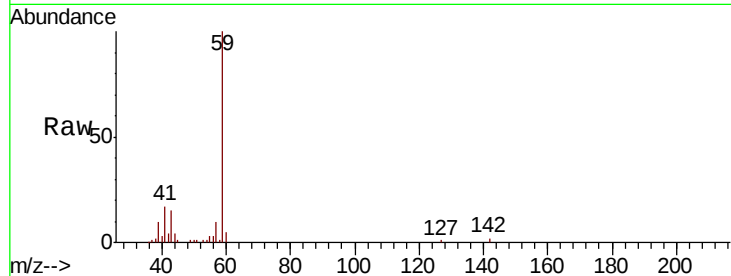


#11

Tert butyl alcohol
 Concen: 253.372 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

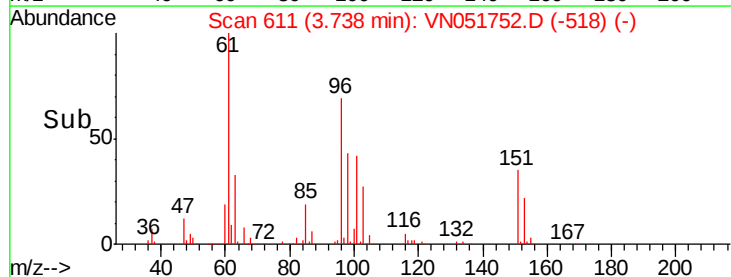
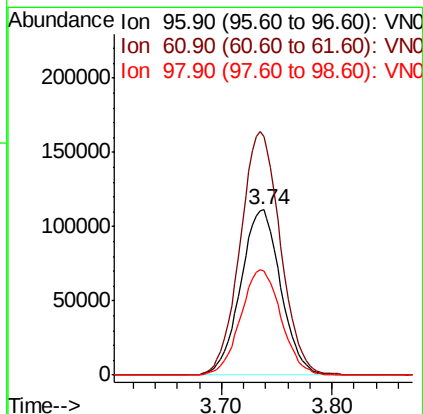
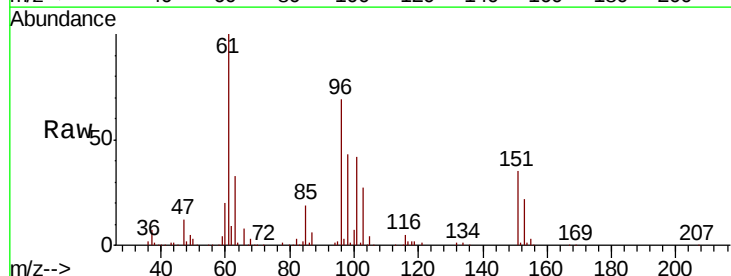
Tot Ion: 59 Resp: 150887
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.1 12.1

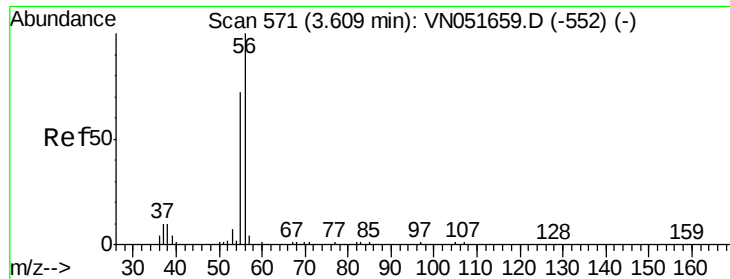


#12

1,1-Dichloroethene
 Concen: 45.351 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion: 96 Resp: 280141
 Ion Ratio Lower Upper
 96 100
 61 144.9 121.4 182.0
 98 63.0 49.9 74.9





#13

Acrolein

Concen: 161.122 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

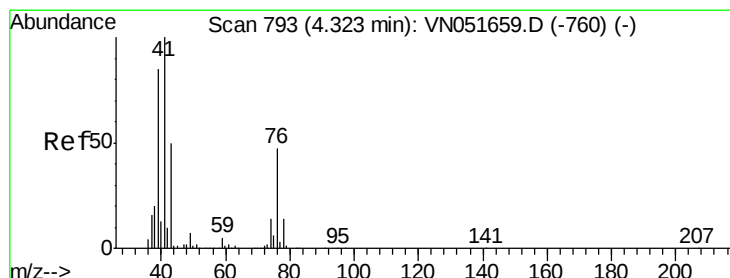
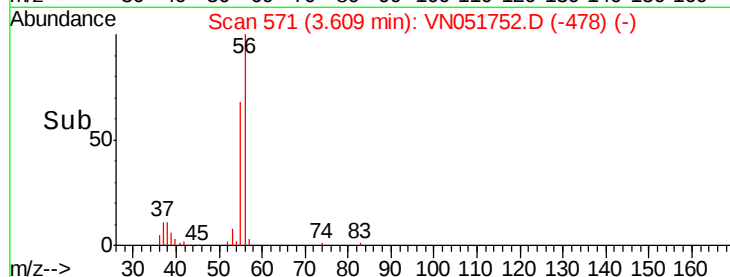
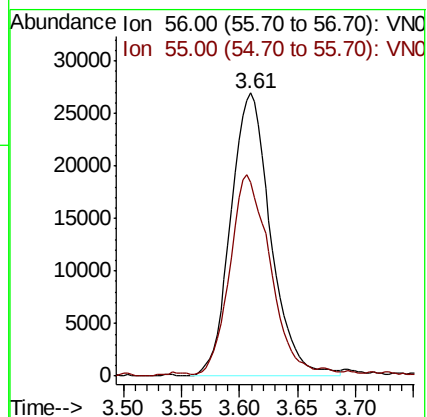
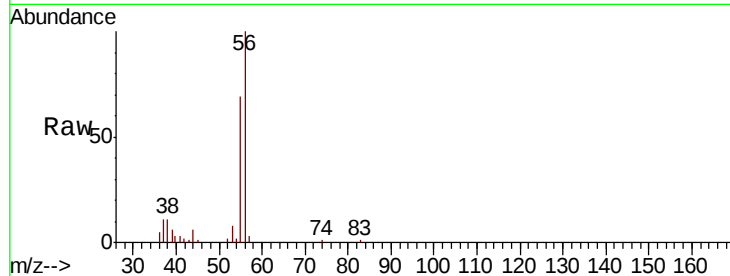
VSTDCCC050

Tot Ion: 56 Resp: 64209

Ion Ratio Lower Upper

56 100

55 70.6 57.5 86.3



#14

Allyl chloride

Concen: 41.421 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

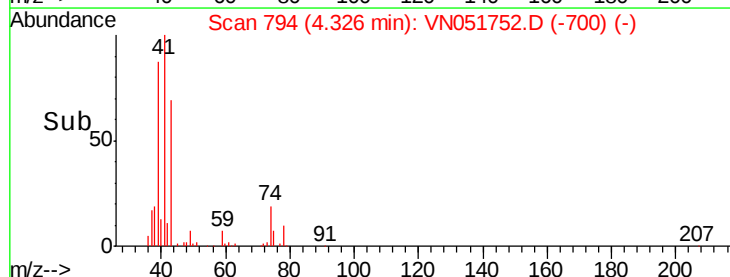
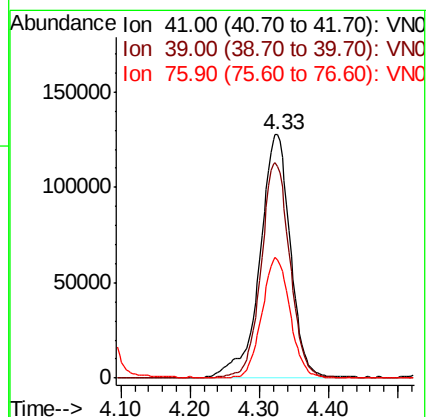
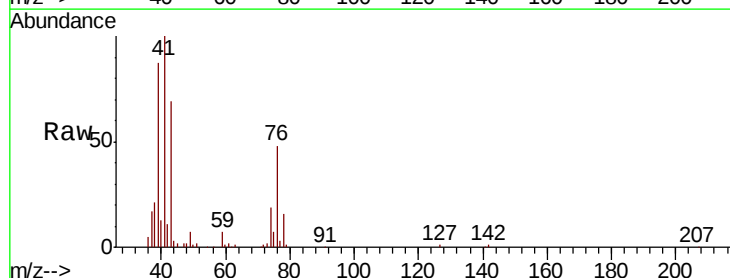
Tgt Ion: 41 Resp: 390238

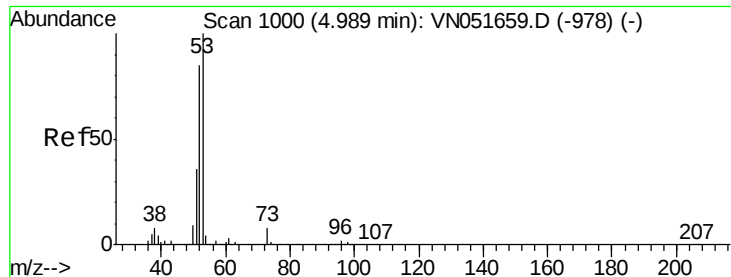
Ion Ratio Lower Upper

41 100

39 83.6 65.4 98.0

76 44.9 34.3 51.5





#15

Acrylonitrile

Concen: 245.039 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

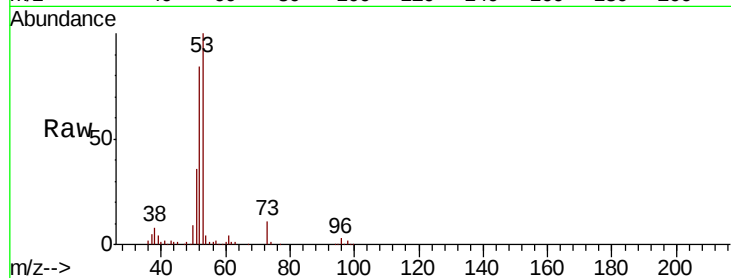
Tot Ion: 53 Resp: 503554

Ion Ratio Lower Upper

53 100

52 82.9 66.2 99.2

51 37.4 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VN051659.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN051659.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN051659.D (-978) (-)

4.99

150000

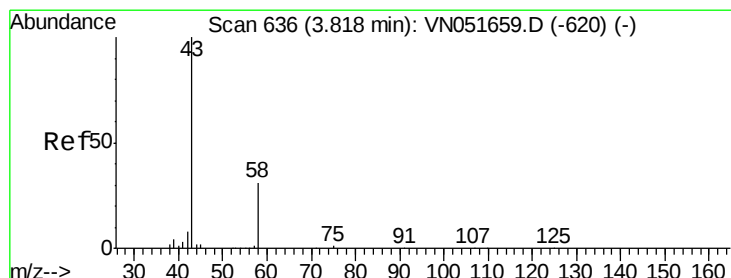
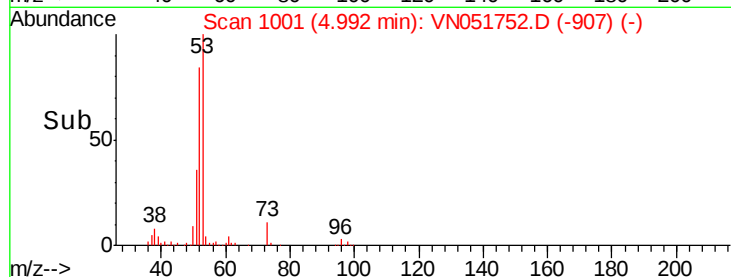
100000

50000

0

4.90 5.00 5.10 5.20

Time-->



#16

Acetone

Concen: 272.537 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051752.D

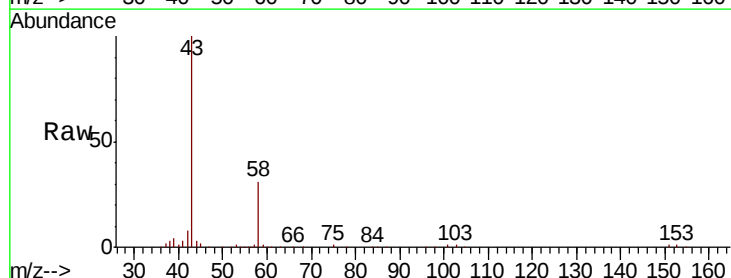
Acq: 9 Oct 2018 16:51

Tgt Ion: 43 Resp: 397095

Ion Ratio Lower Upper

43 100

58 30.9 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-620) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-620) (-)

3.82

150000

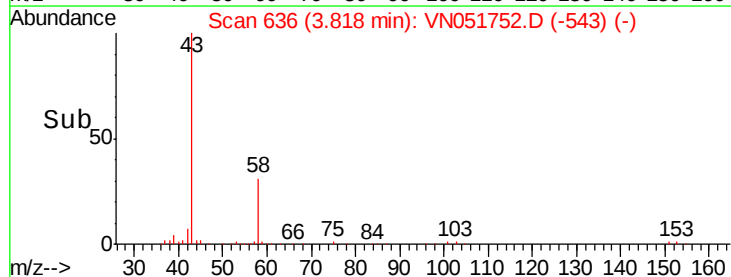
100000

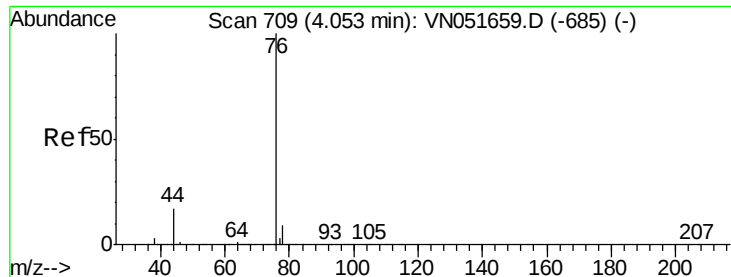
50000

0

3.70 3.80 3.90

Time-->

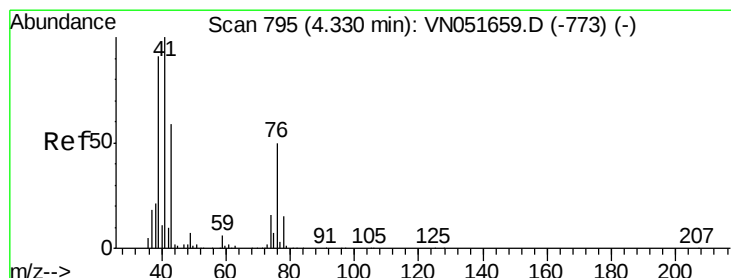
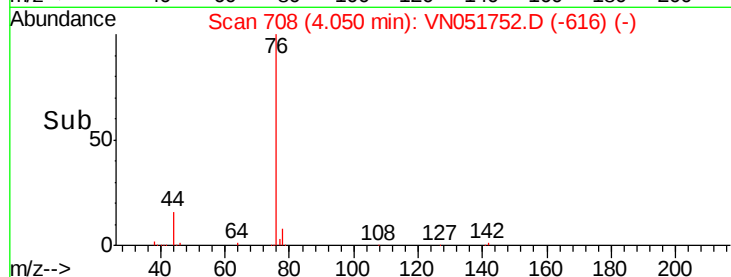
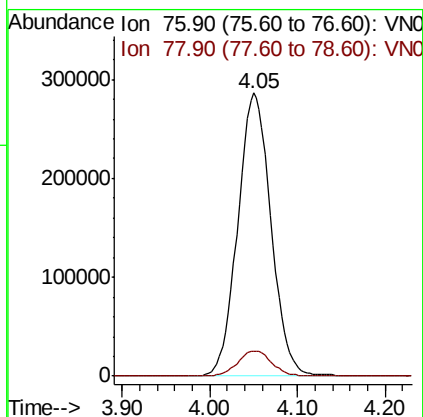
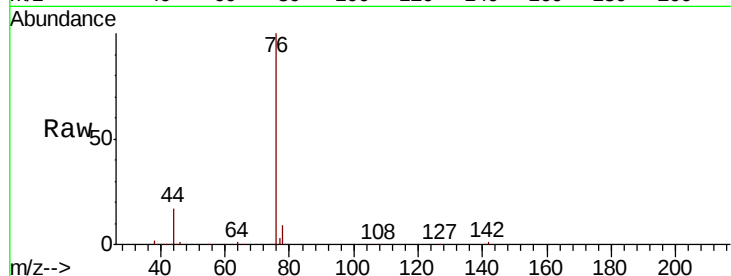




#17
Carbon Disulfide
Concen: 40.079 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

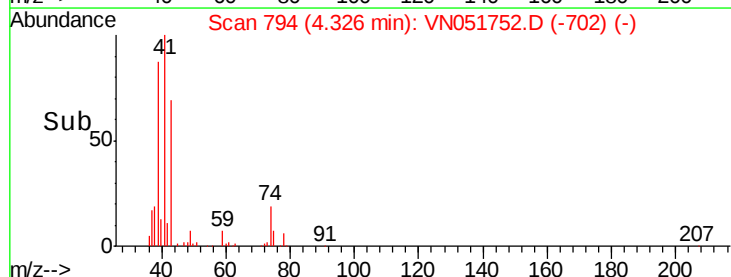
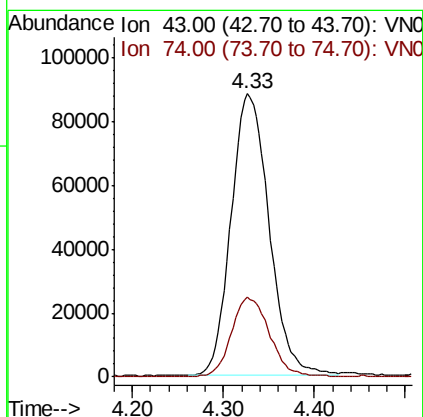
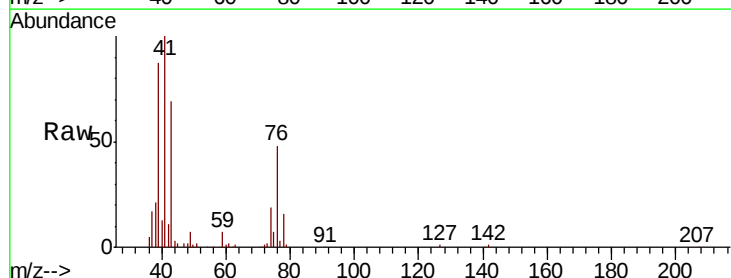
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

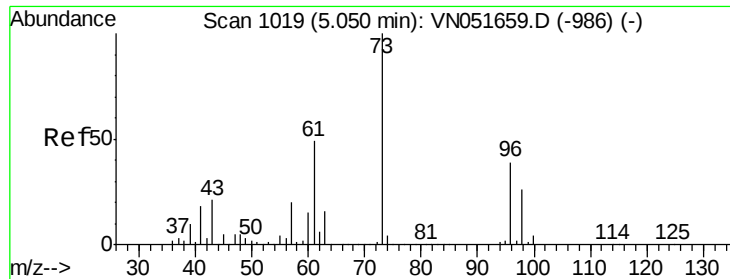
Tot Ion: 76 Resp: 752525
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 53.087 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion: 43 Resp: 256755
Ion Ratio Lower Upper
43 100
74 28.5 21.5 32.3

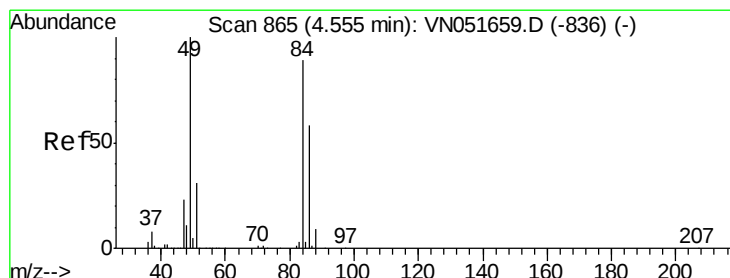
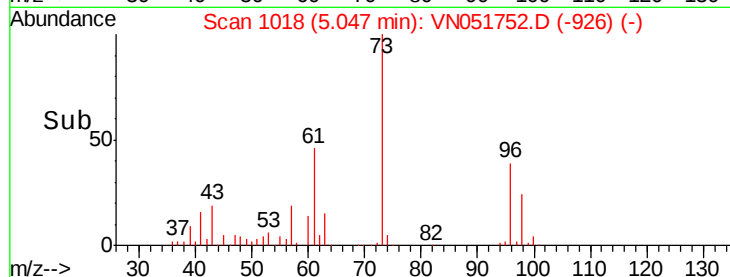
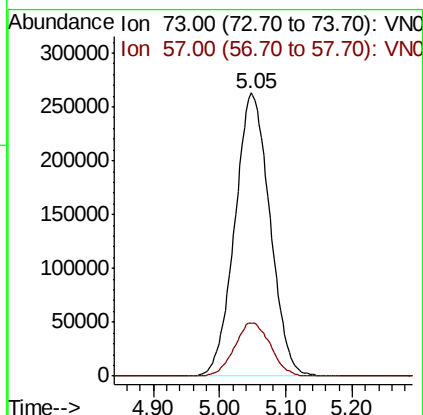
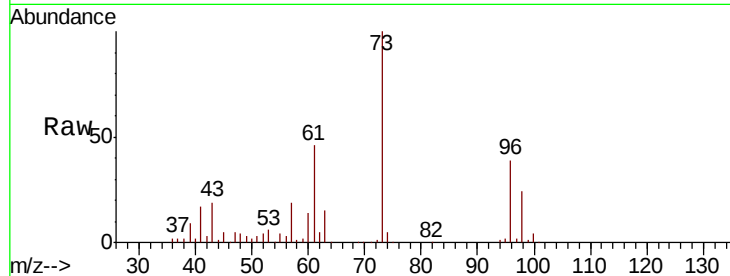




#19
Methvl tert-butvl Ether
Concen: 47.364 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

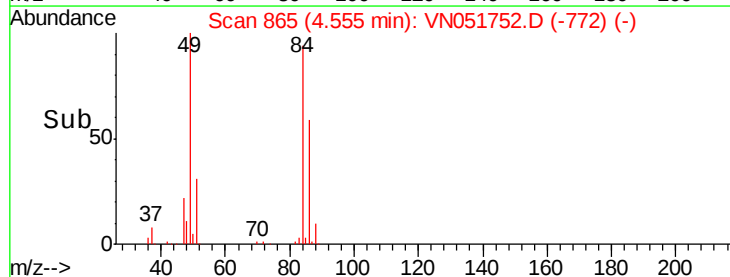
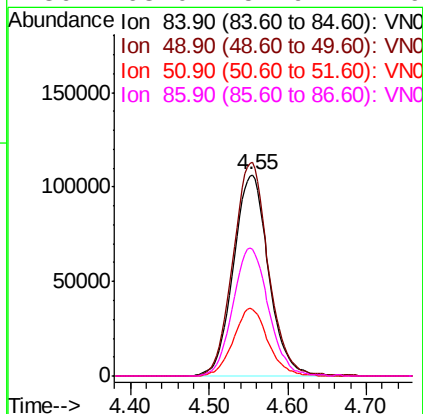
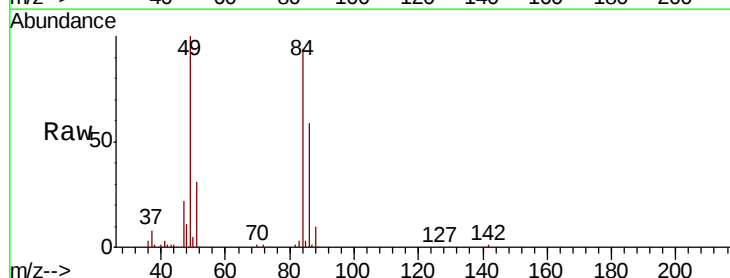
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

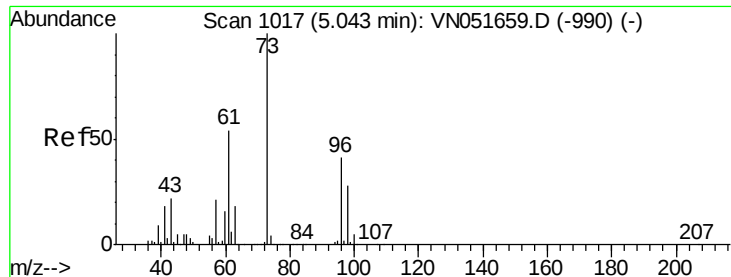
Tot Ion: 73 Resp: 965730
Ion Ratio Lower Upper
73 100
57 18.9 15.6 23.4



#20
Methylene Chloride
Concen: 46.131 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion: 84 Resp: 332573
Ion Ratio Lower Upper
84 100
49 106.0 89.5 134.3
51 33.0 27.4 41.0
86 63.0 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 44.959 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

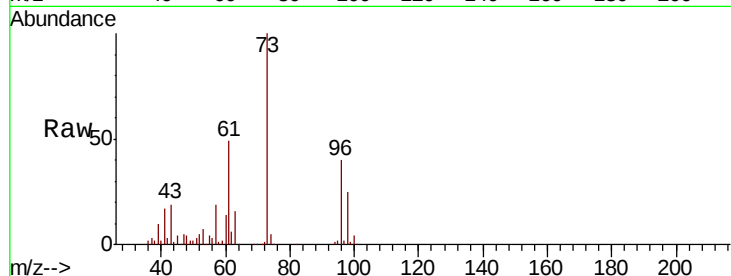
Tot Ion: 96 Resp: 329098

Ion Ratio Lower Upper

96 100

61 121.8 104.7 157.1

98 63.4 54.6 82.0

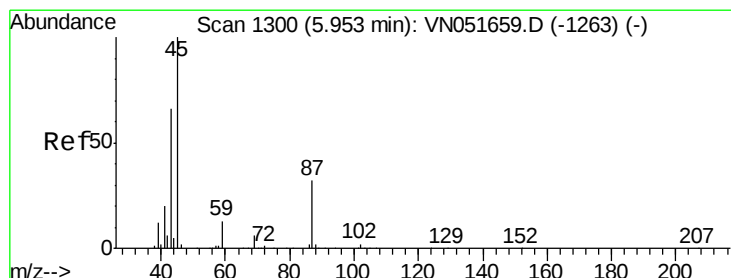
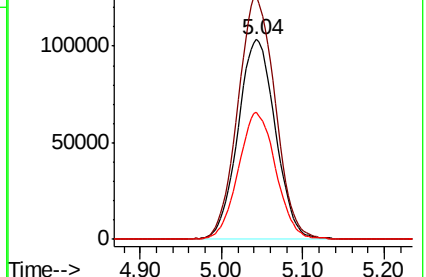
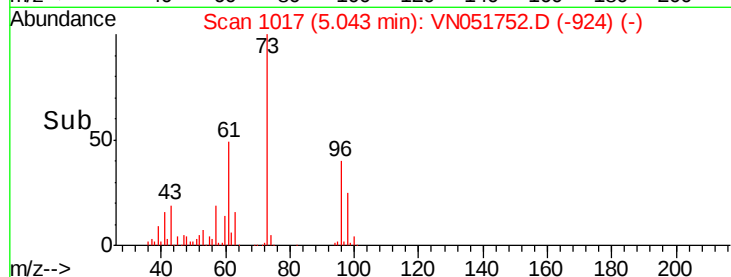


Abundance Ion 95.90 (95.60 to 96.60): VN051752.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN051752.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN051752.D (-1207) (-)

Time-->



#22

Diisopropyl ether

Concen: 43.914 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Tgt Ion: 45 Resp: 886870

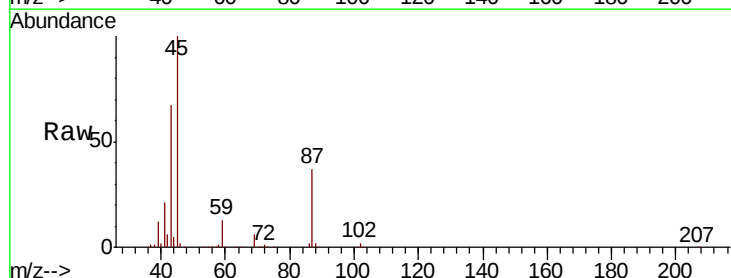
Ion Ratio Lower Upper

45 100

43 65.1 53.0 79.4

87 36.8 26.4 39.6

59 12.8 10.0 15.0



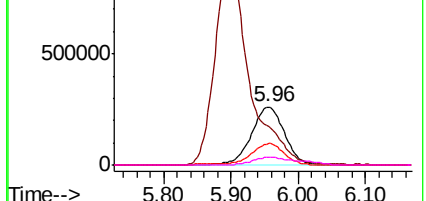
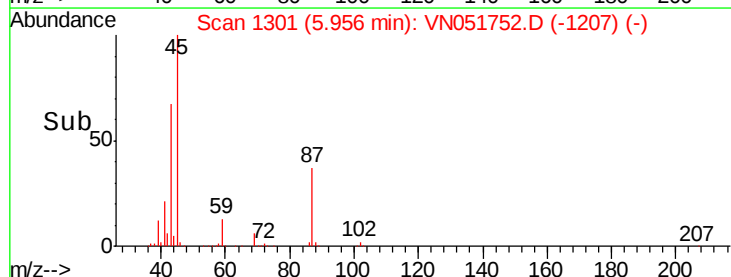
Abundance Ion 45.00 (44.70 to 45.70): VN051752.D (-1207) (-)

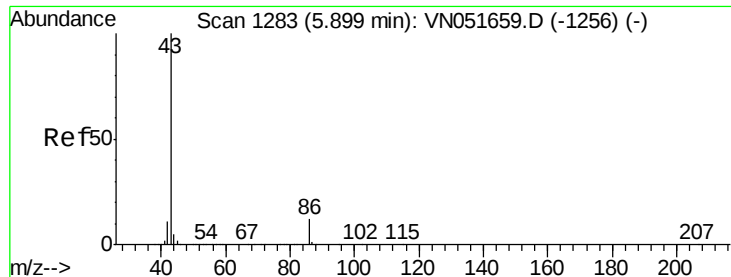
Ion 43.00 (42.70 to 43.70): VN051752.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN051752.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN051752.D (-1207) (-)

Time-->





#23

Vinyl Acetate

Concen: 221.569 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

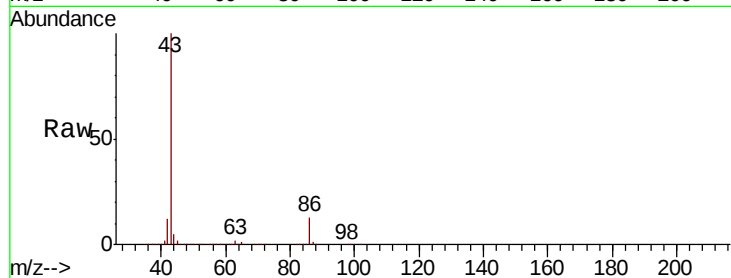
VSTDCCC050

Tot Ion: 43 Resp: 3290188

Ion Ratio Lower Upper

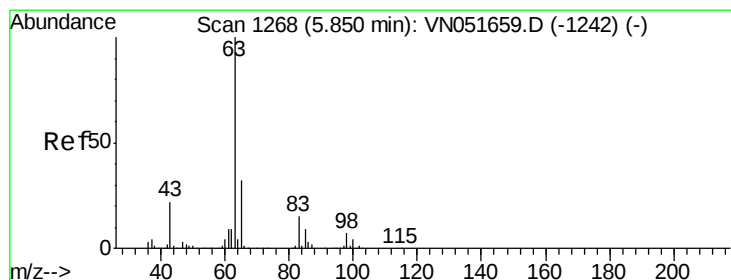
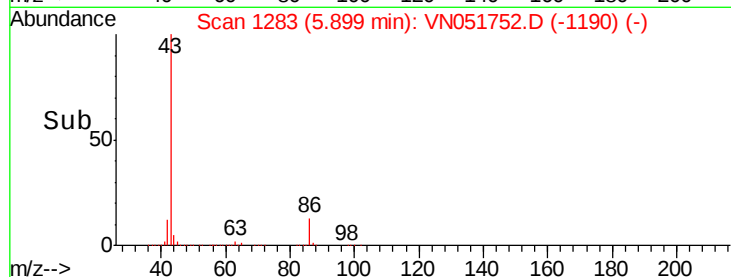
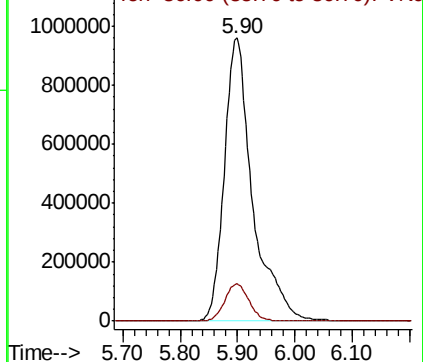
43 100

86 13.2 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 44.499 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

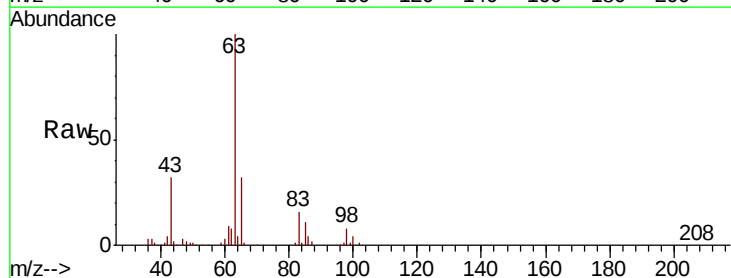
Tgt Ion: 63 Resp: 577973

Ion Ratio Lower Upper

63 100

98 7.6 3.3 9.9

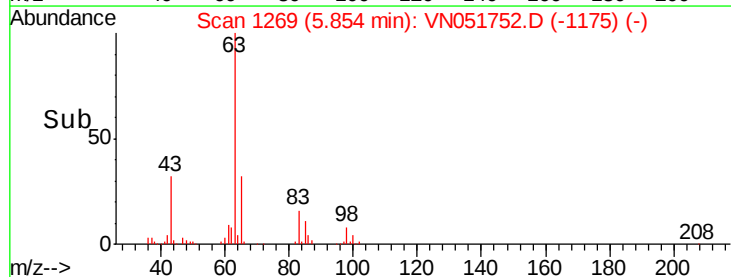
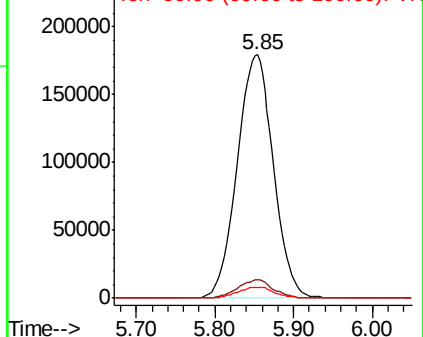
100 4.4 2.2 6.6

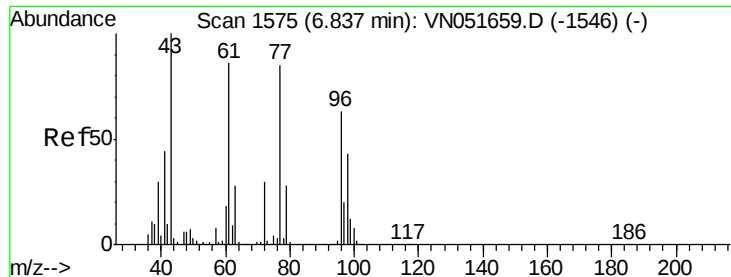


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

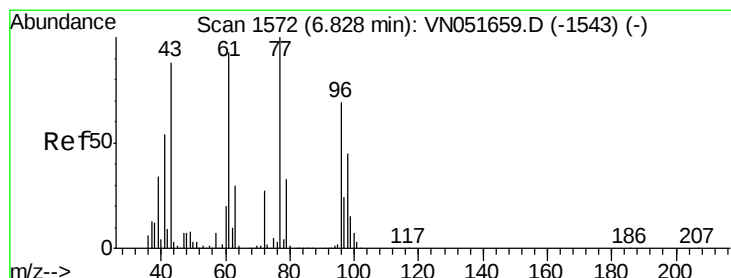
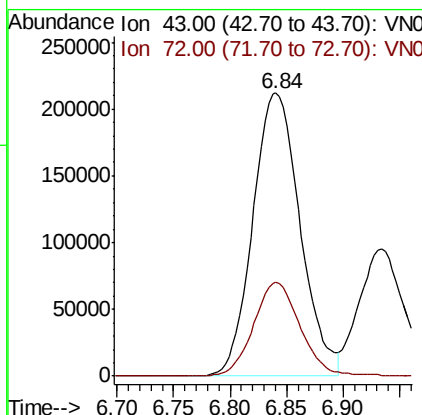
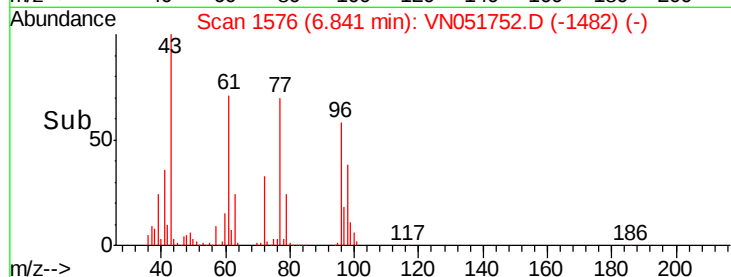
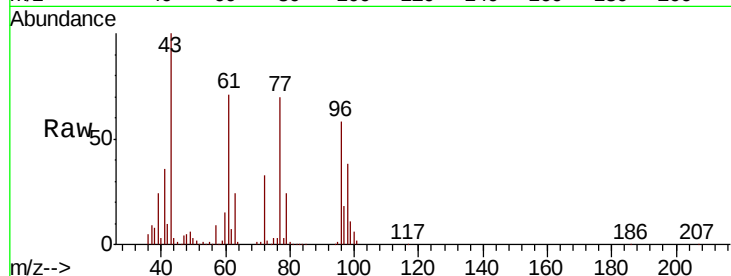




#25
2-Butanone
Concen: 241.904 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

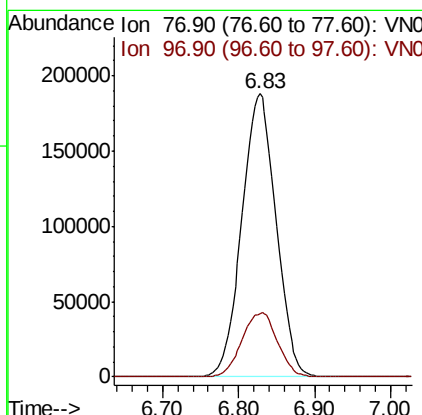
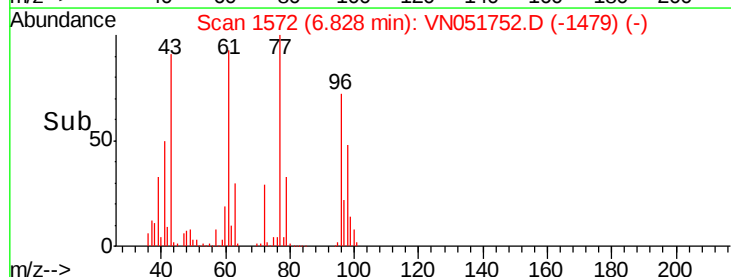
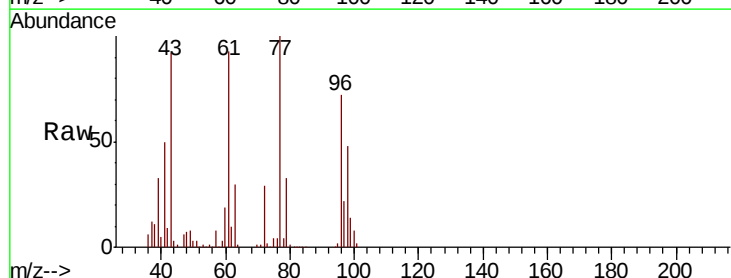
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

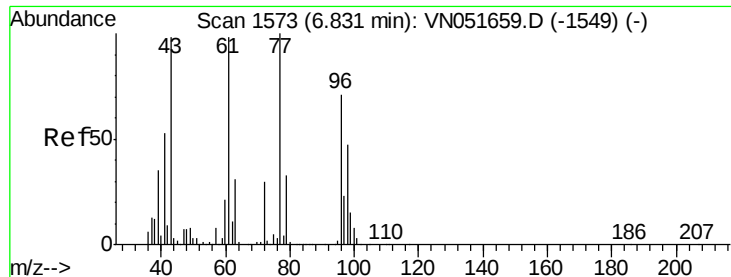
Tot Ion: 43 Resp: 612089
Ion Ratio Lower Upper
43 100
72 33.4 24.2 36.2



#26
2,2-Dichloropropane
Concen: 45.152 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion: 77 Resp: 587705
Ion Ratio Lower Upper
77 100
97 23.7 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 47.082 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

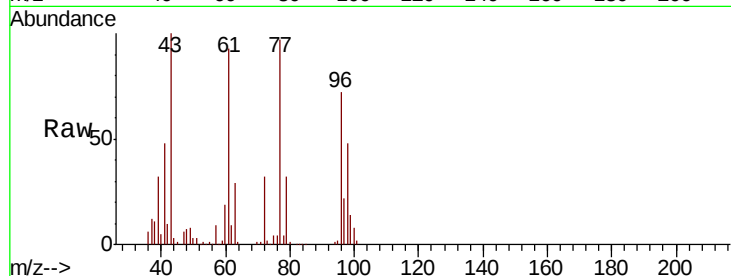
Tot Ion: 96 Resp: 400080

Ion Ratio Lower Upper

96 100

61 128.6 0.0 275.4

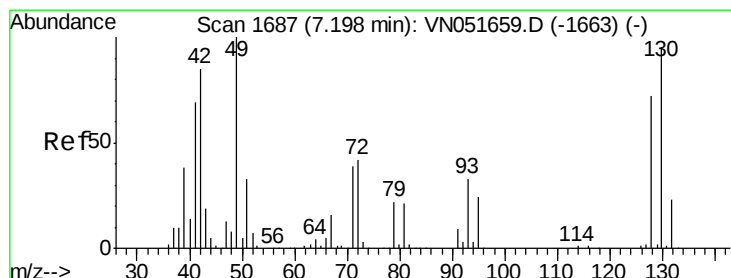
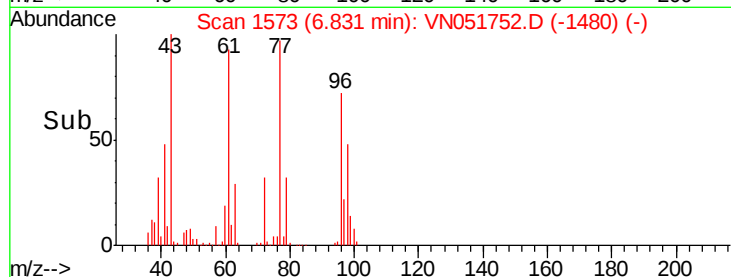
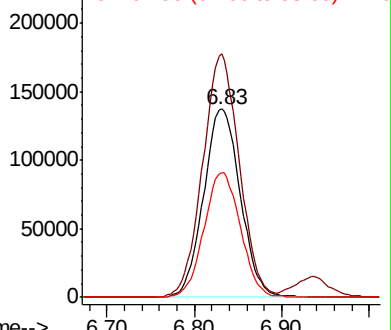
98 65.8 0.0 129.6



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: 42.534 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

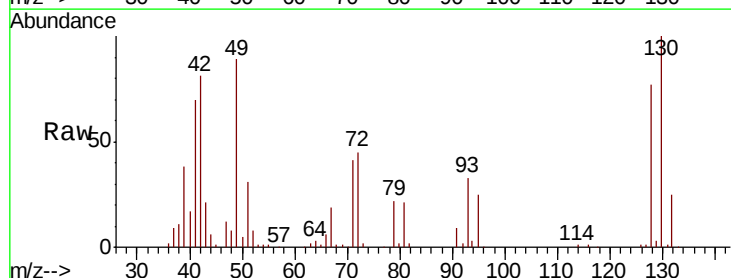
Tgt Ion: 49 Resp: 244577

Ion Ratio Lower Upper

49 100

129 2.9 0.0 4.8

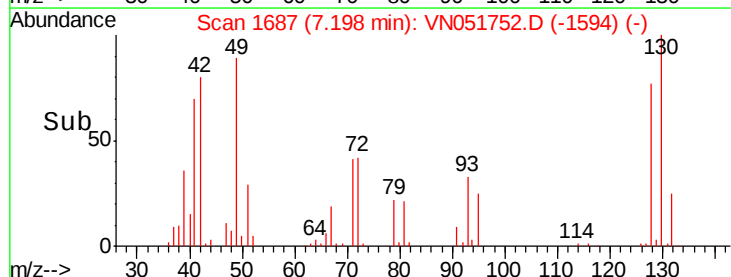
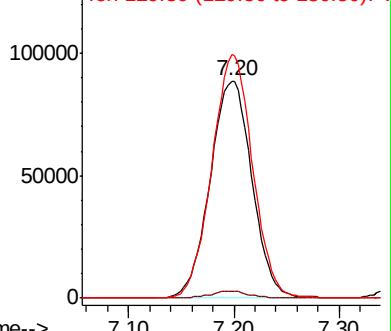
130 109.2 75.7 113.5

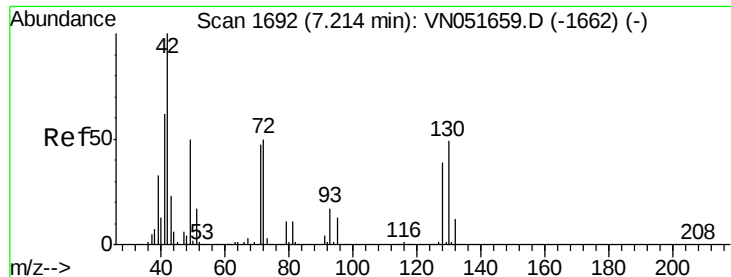


Abundance Ion 48.90 (48.60 to 49.60): VN051659.D (-1663) (-)

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

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

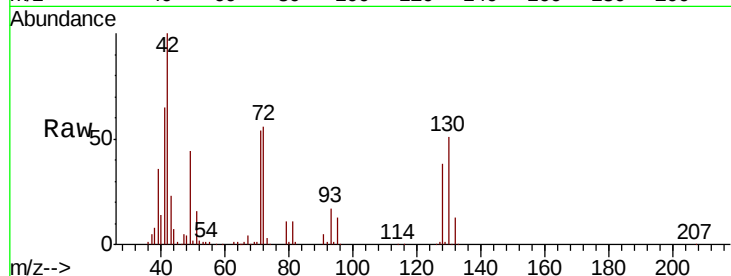




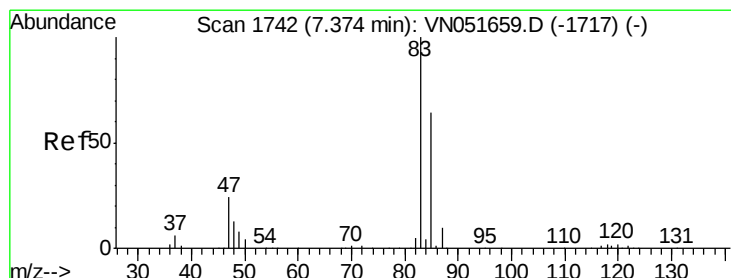
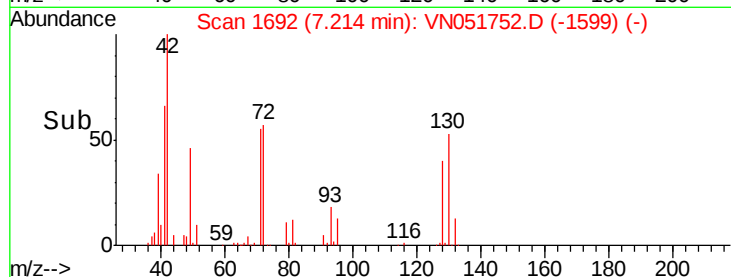
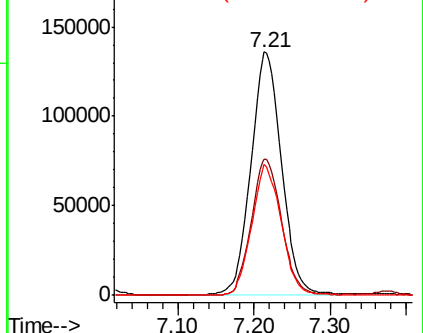
#29
Tetrahydrofuran
Concen: 244.768 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 380066
Ion Ratio Lower Upper
42 100
72 55.8 40.1 60.1
71 52.0 38.0 57.0

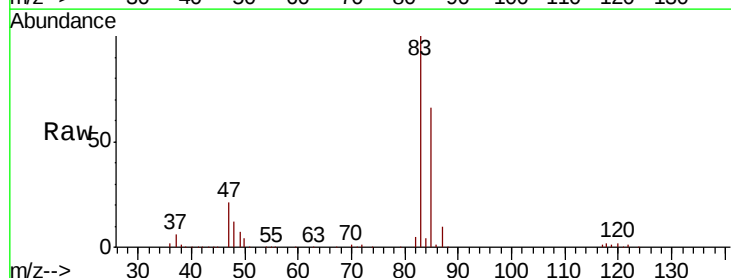


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

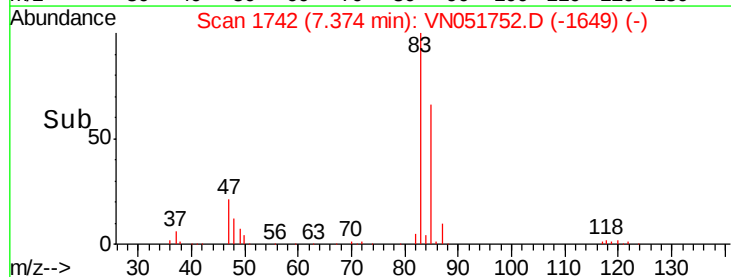
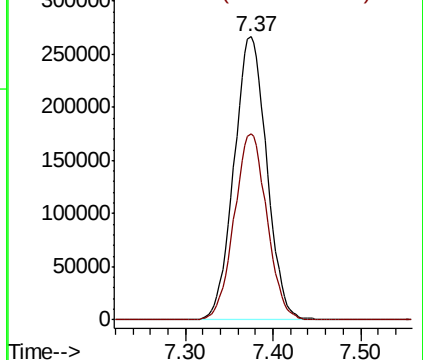


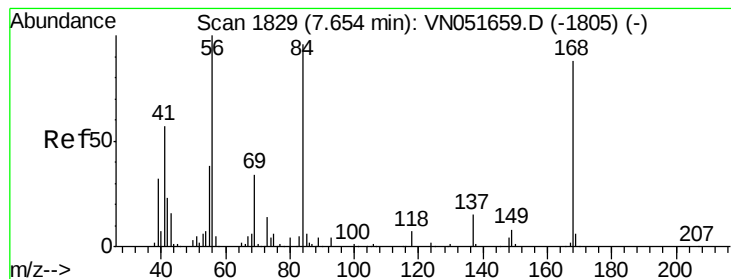
#30
Chloroform
Concen: 47.415 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion: 83 Resp: 691950
Ion Ratio Lower Upper
83 100
85 65.7 51.6 77.4



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





#31

Cyclohexane

Concen: 41.920 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

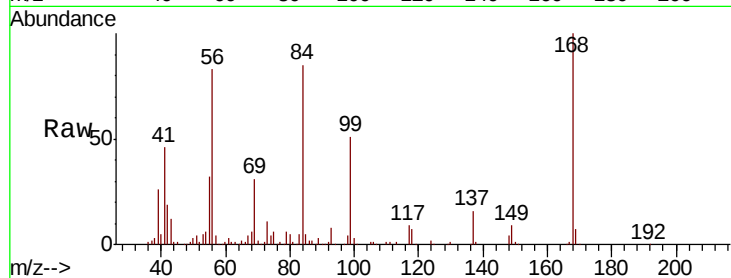
Tot Ion: 56 Resp: 498647

Ion Ratio Lower Upper

56 100

69 36.8 27.5 41.3

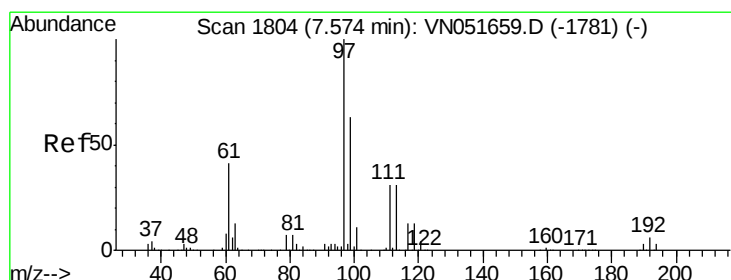
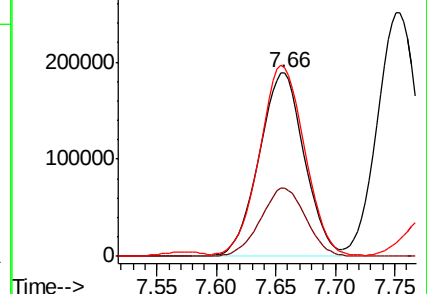
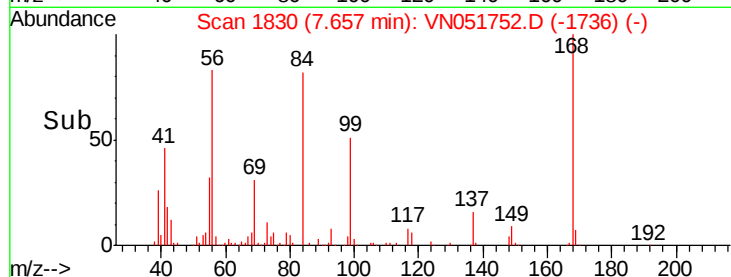
84 100.3 76.7 115.1



Abundance Ion 56.00 (55.70 to 56.70): VN051752.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN051752.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN051752.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 46.782 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

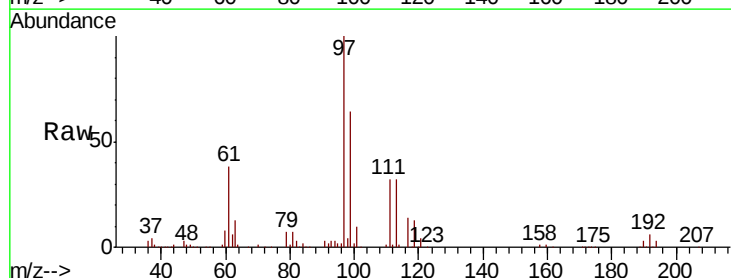
Tgt Ion: 97 Resp: 661731

Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

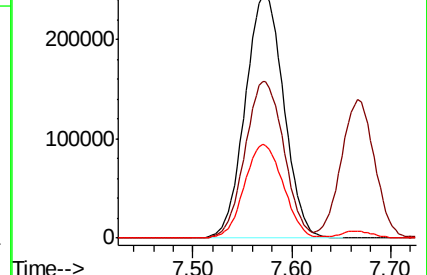
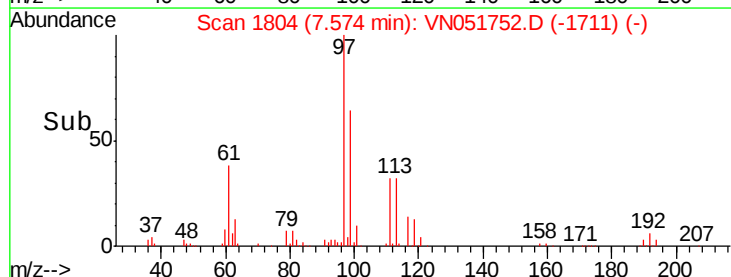
61 38.9 33.4 50.0

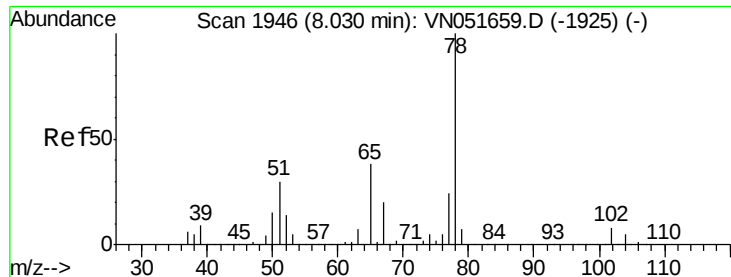


Abundance Ion 96.90 (96.60 to 97.60): VN051752.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN051752.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN051752.D (-1711) (-)

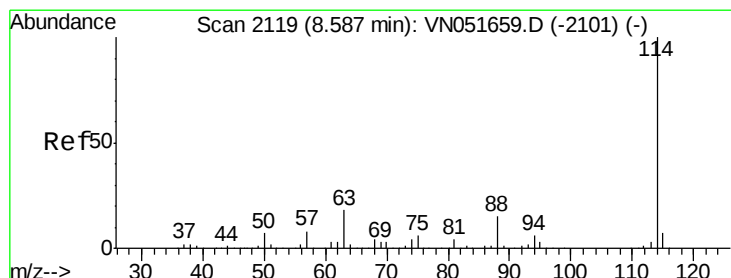
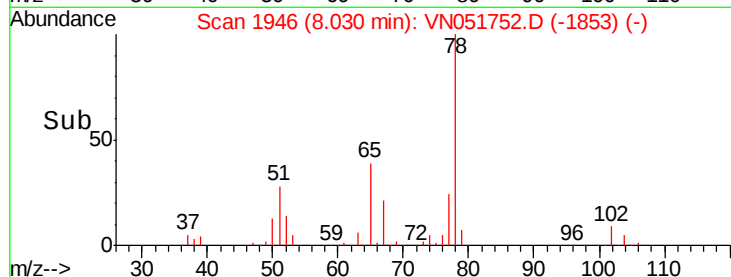
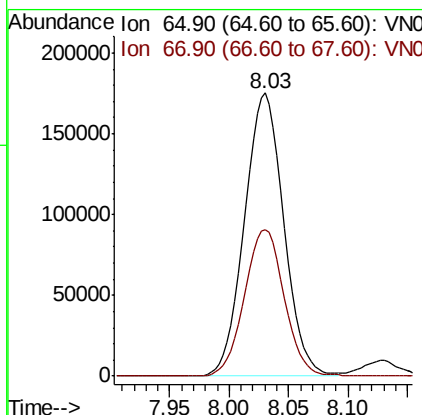
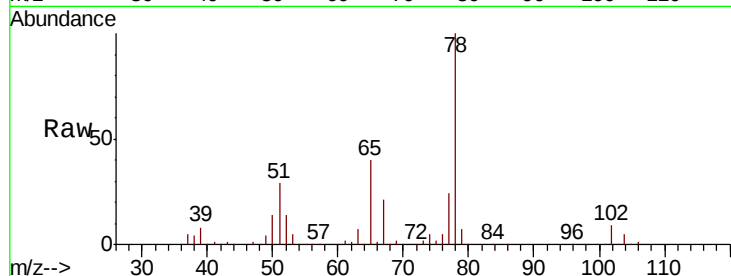




#33
 1,2-Dichloroethane-d4
 Concen: 46.782 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

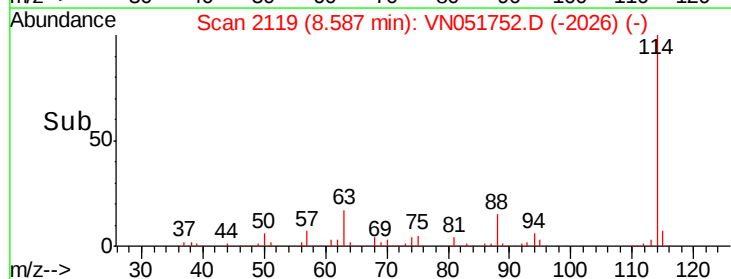
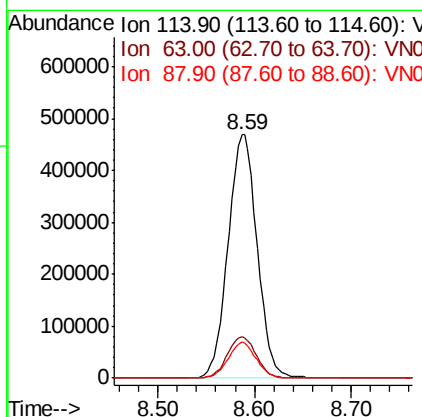
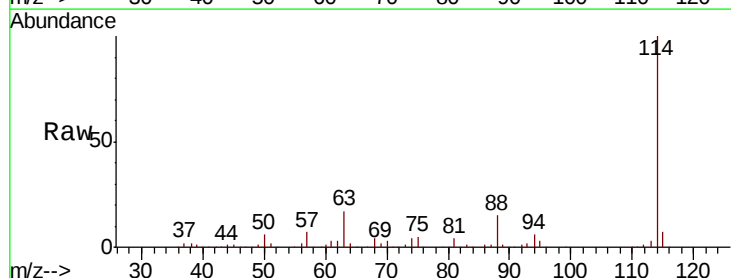
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

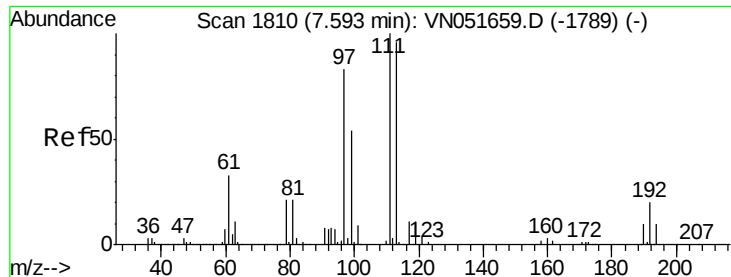
Tot Ion: 65 Resp: 400988
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion: 114 Resp: 977297
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 36.2
 88 14.7 0.0 30.2

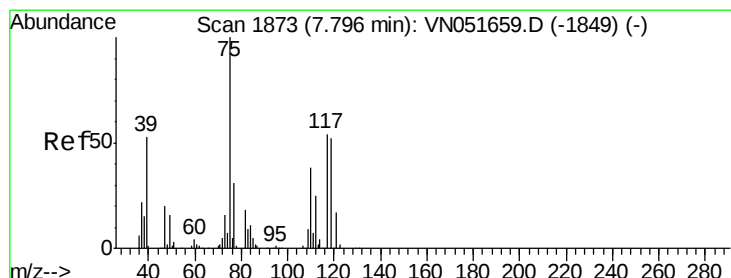
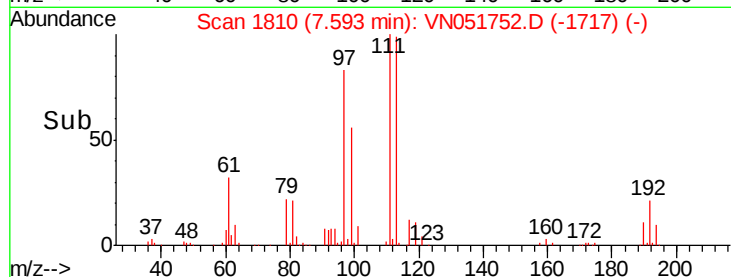
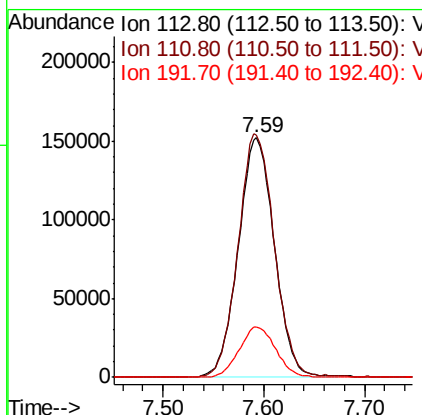
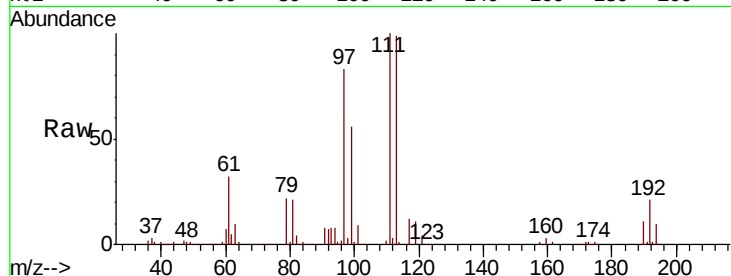




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

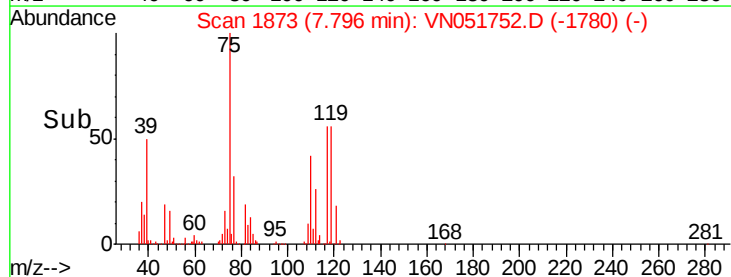
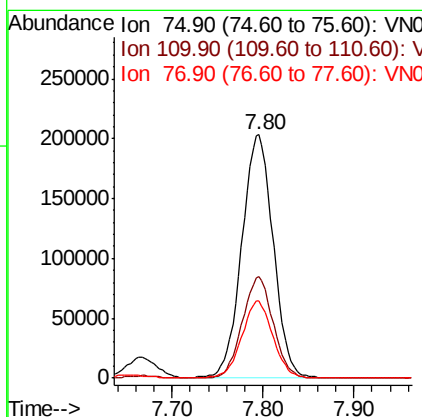
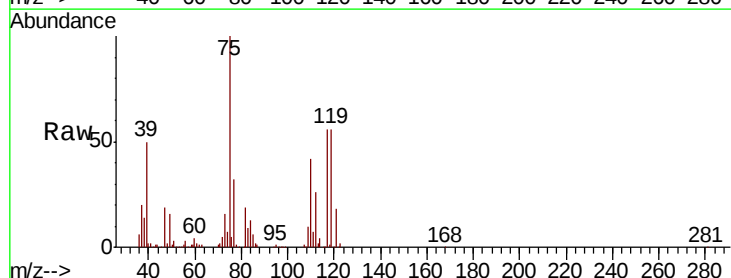
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

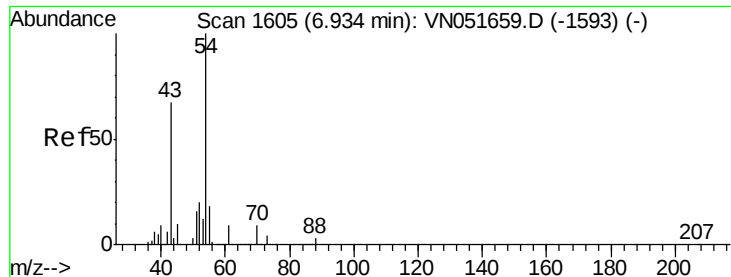
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.8
192	21.3	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 47.738 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.8	19.3	57.8
77	31.6	24.7	37.1

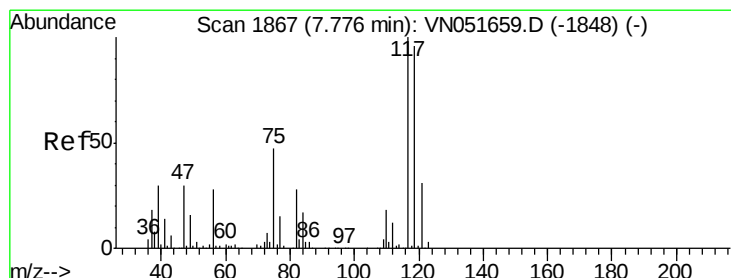
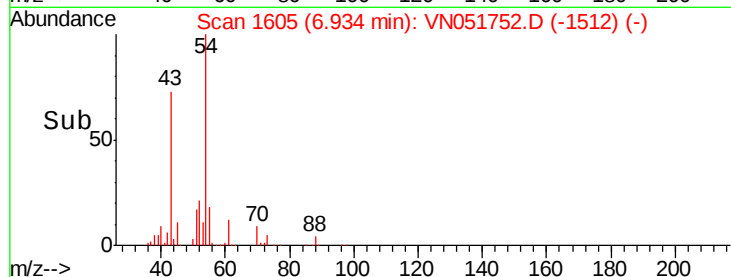
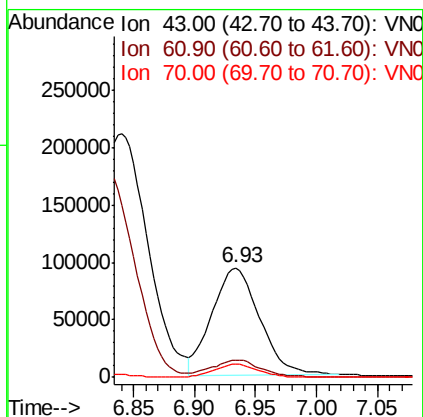
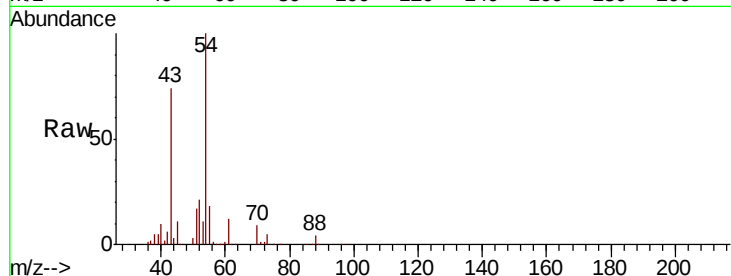




#37
Ethyl Acetate
Concen: 48.359 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

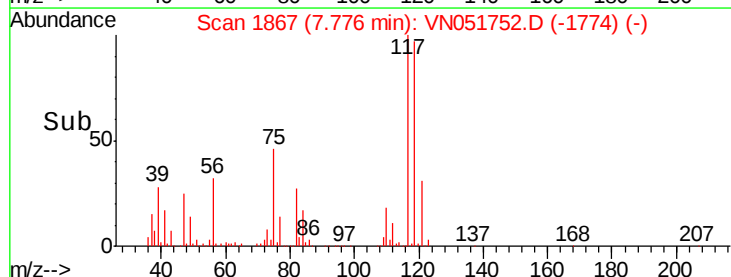
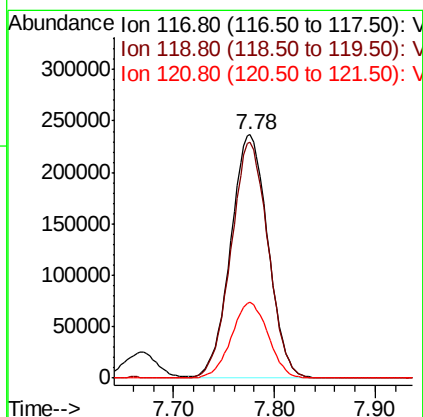
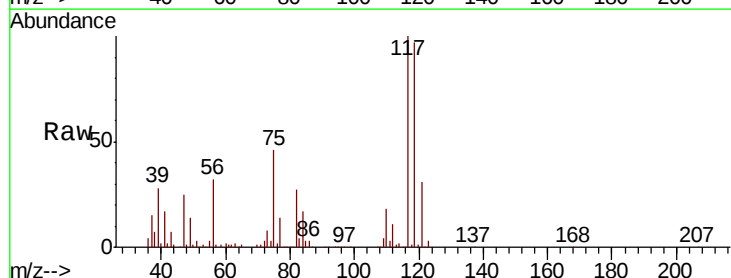
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

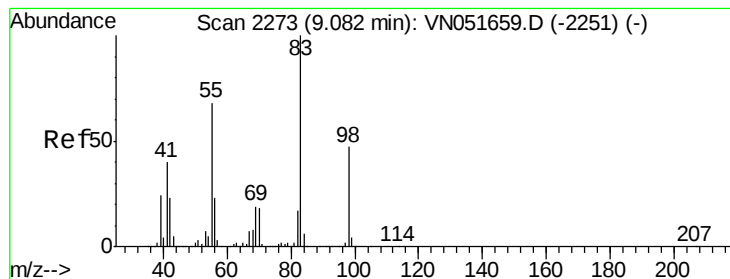
Tot Ion: 43 Resp: 257644
Ion Ratio Lower Upper
43 100
61 15.7 11.8 17.6
70 12.0 8.7 13.1



#38
Carbon Tetrachloride
Concen: 49.453 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion: 117 Resp: 606173
Ion Ratio Lower Upper
117 100
119 97.0 77.0 115.6
121 31.2 25.0 37.6

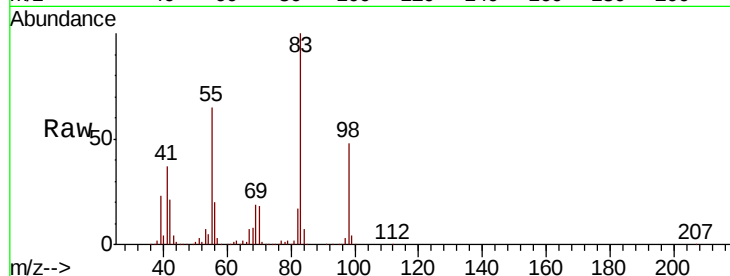




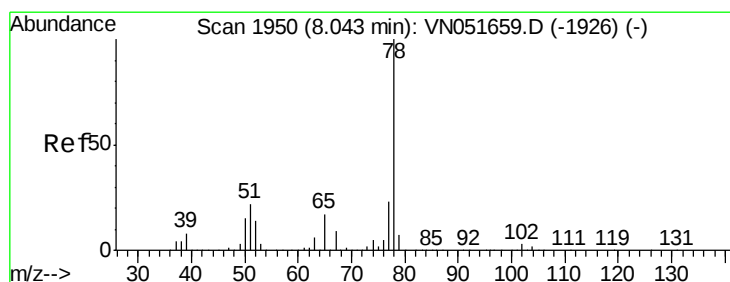
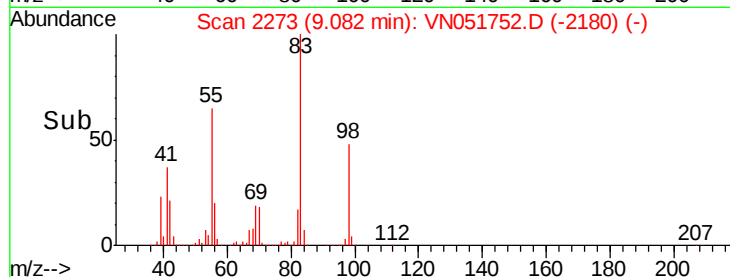
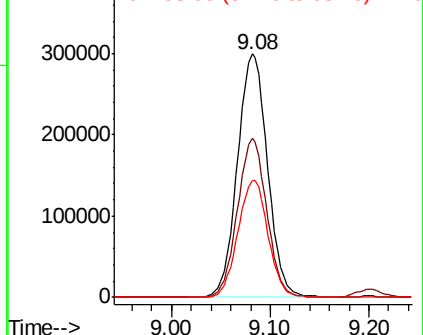
#39
Methvlcvclohexane
Concen: 49.315 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 632353
Ion Ratio Lower Upper
83 100
55 65.2 54.3 81.5
98 47.9 37.4 56.2

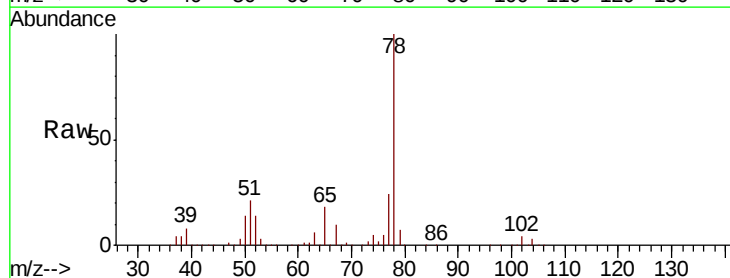


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

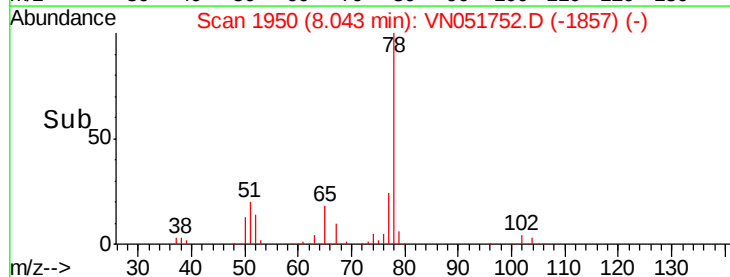
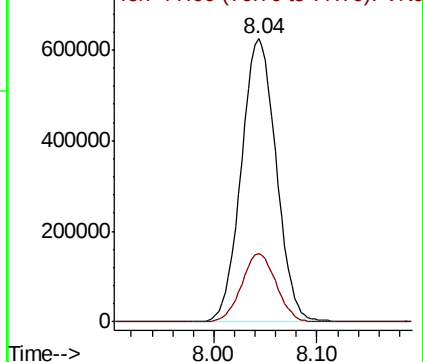


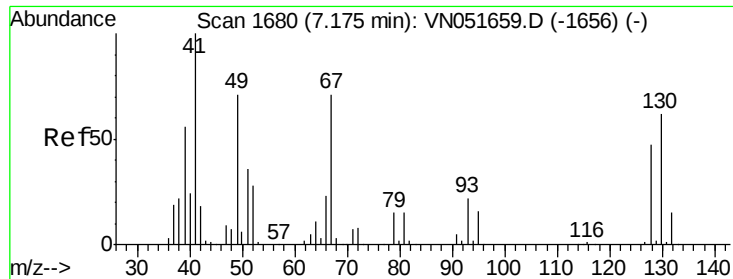
#40
Benzene
Concen: 48.566 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion: 78 Resp: 1470688
Ion Ratio Lower Upper
78 100
77 24.1 18.5 27.7



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

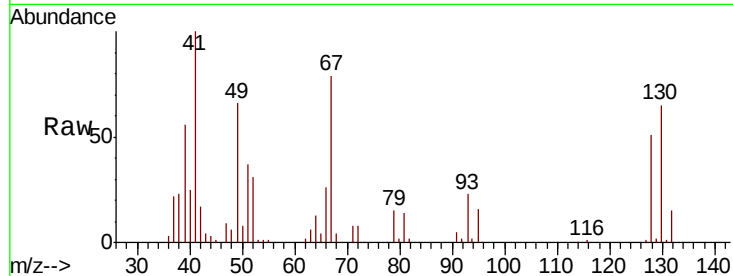




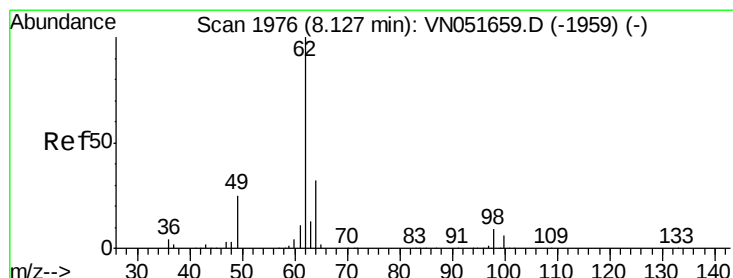
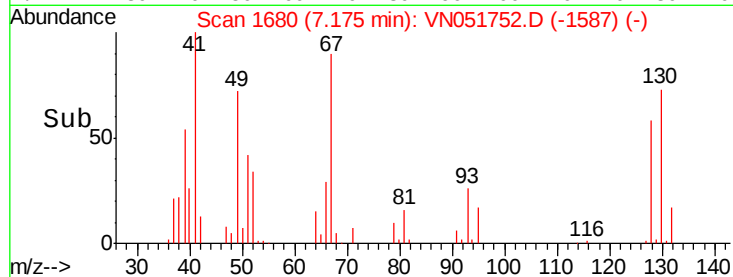
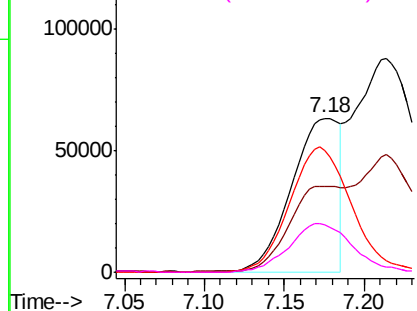
#41
Methacrylonitrile
Concen: 48.219 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 41 Resp: 132394
Ion Ratio Lower Upper
41 100
39 63.1 53.9 80.9
67 105.5 78.1 117.1
52 42.7 32.3 48.5

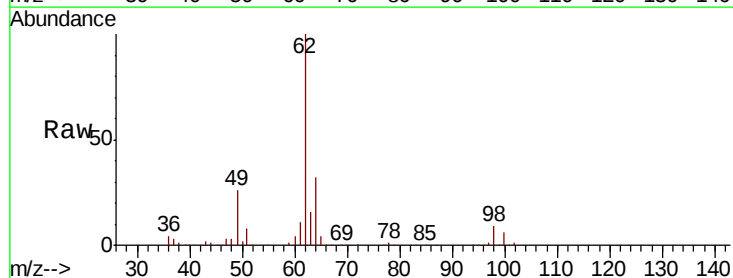


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

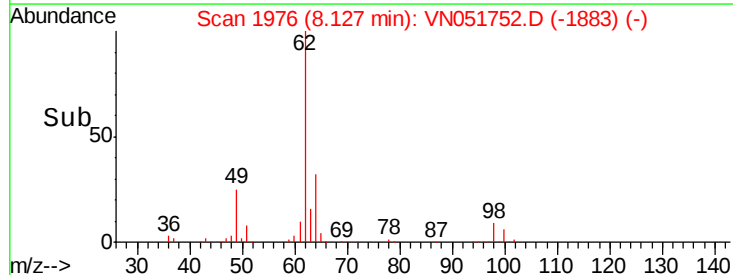
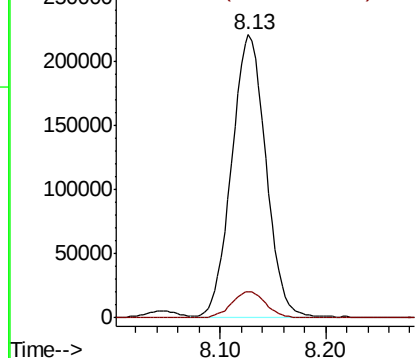


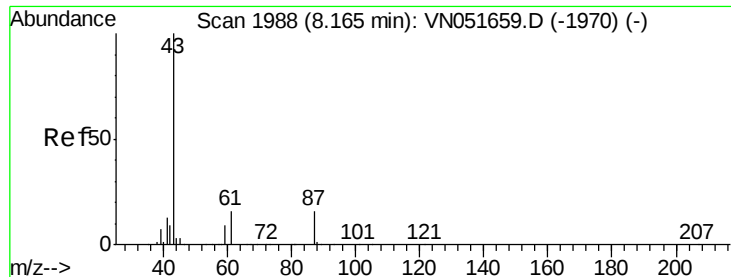
#42
1,2-Dichloroethane
Concen: 48.499 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion: 62 Resp: 494958
Ion Ratio Lower Upper
62 100
98 9.4 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: 48.549 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

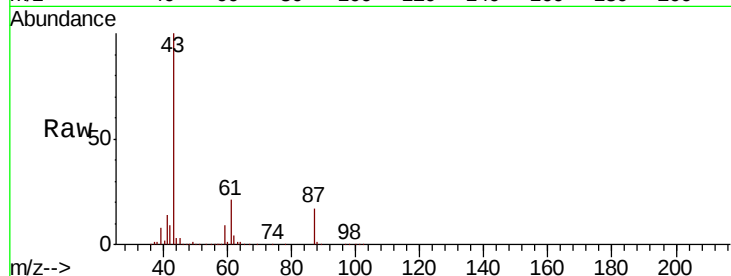
MSVOA_N

ClientSampleId :

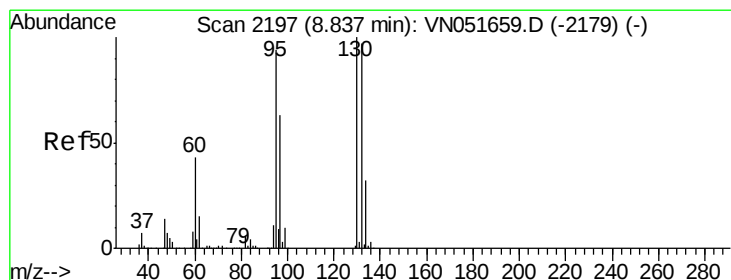
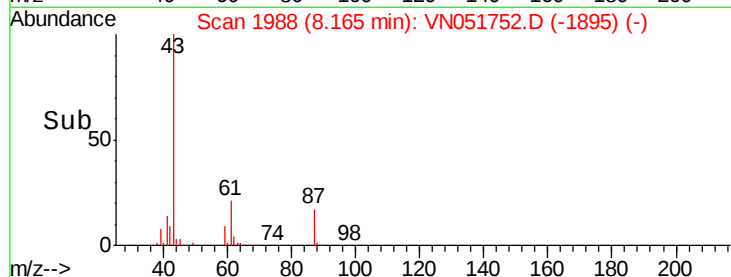
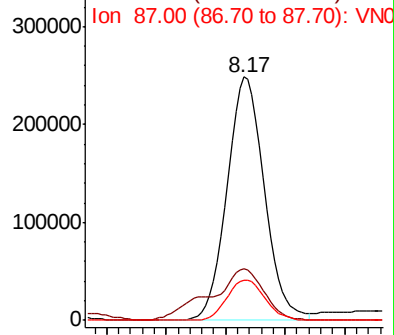
VSTDCCC050

Tot Ion: 43 Resp: 539272

Ion	Ratio	Lower	Upper
43	100		
61	30.1	15.8	23.6#
87	16.9	12.6	19.0



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



#44

Trichloroethene

Concen: 51.822 ug/l

RT: 8.84 min Scan# 2197

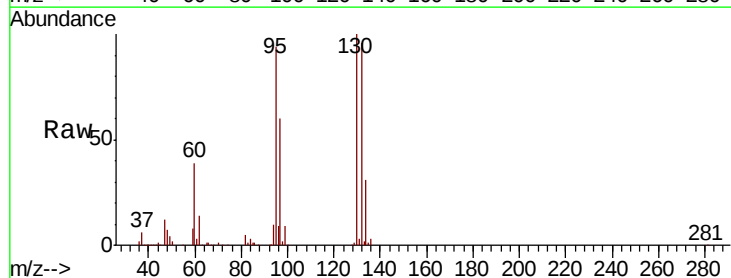
Delta R.T. -0.00 min

Lab File: VN051752.D

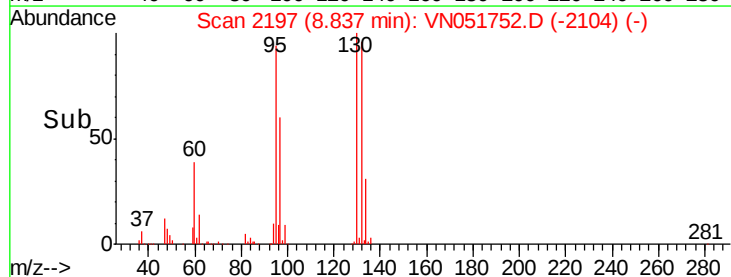
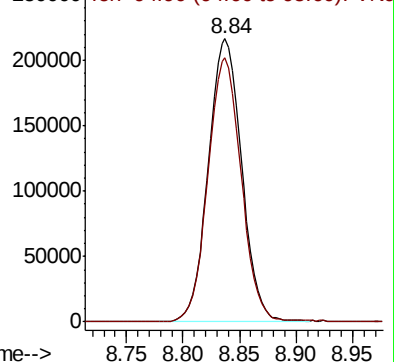
Acq: 9 Oct 2018 16:51

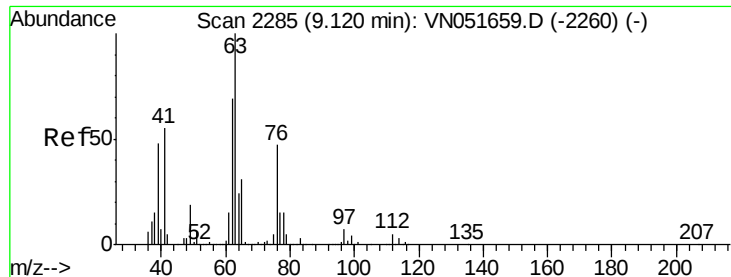
Tgt Ion: 130 Resp: 445586

Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	188.0



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

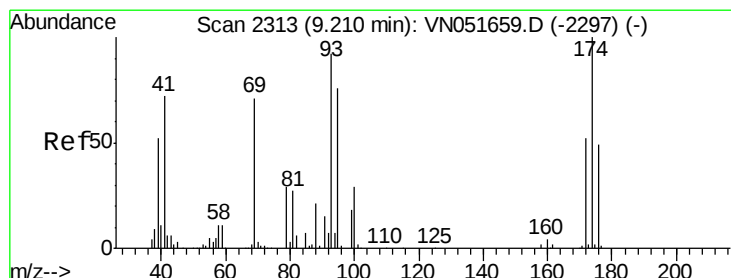
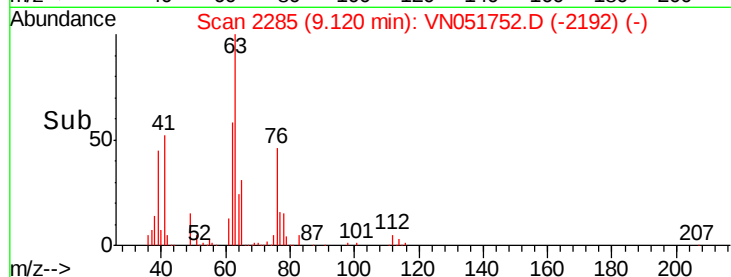
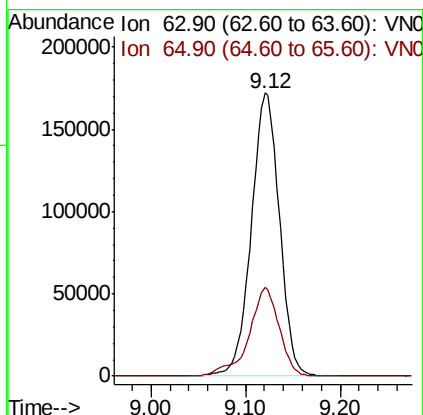
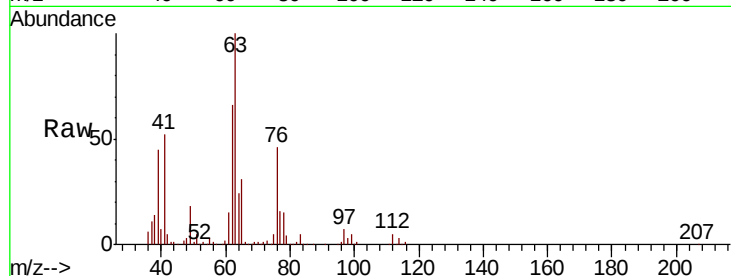




#45
 1,2-Dichloropropane
 Concen: 47.504 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

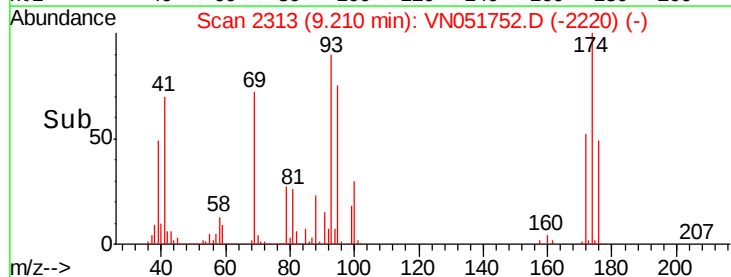
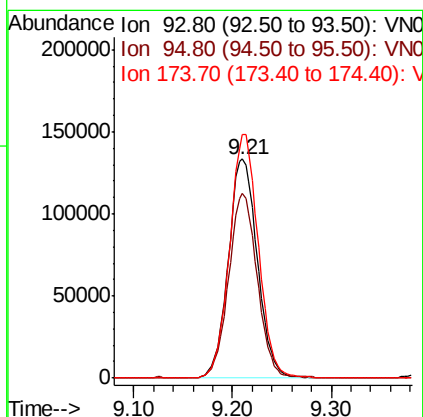
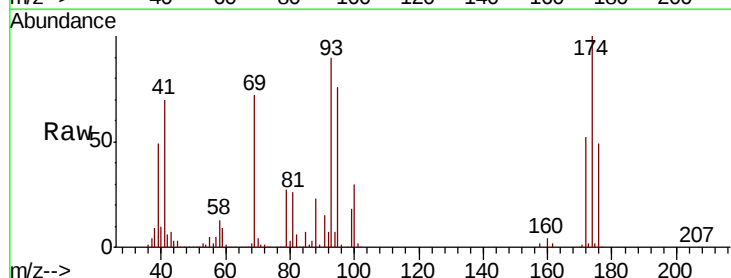
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

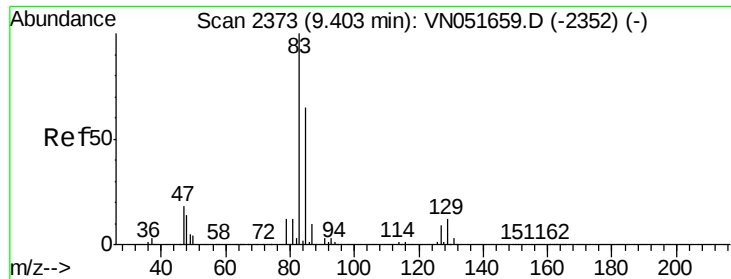
Tot Ion: 63 Resp: 355664
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4



#46
 Dibromomethane
 Concen: 52.898 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion: 93 Resp: 275287
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.6 100.0
 174 109.2 85.9 128.9

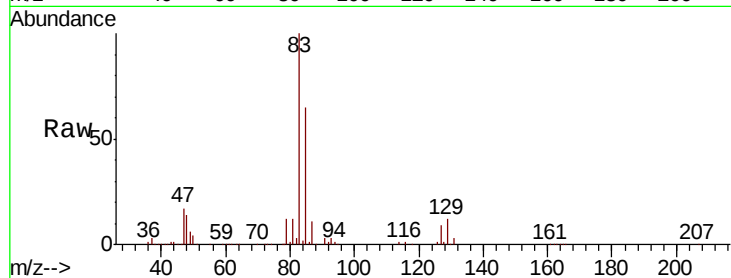




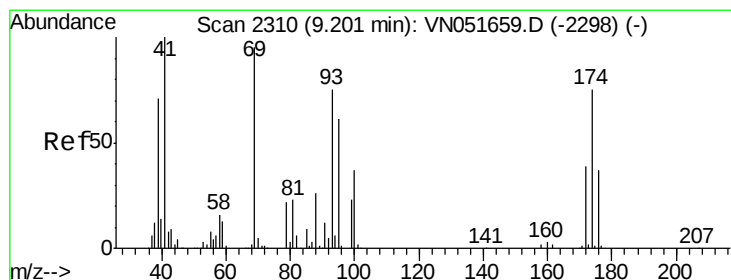
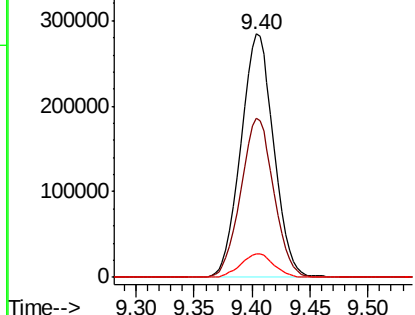
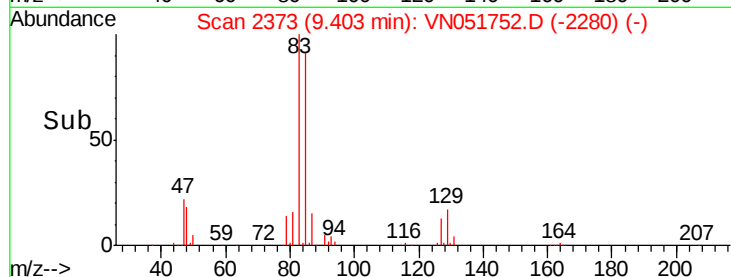
#47
Bromodichloromethane
Concen: 48.899 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	560196
Ion Ratio	100		
Lower	51.6		
Upper	77.4		
85	65.4		
127	9.4		
	7.3		
	10.9		

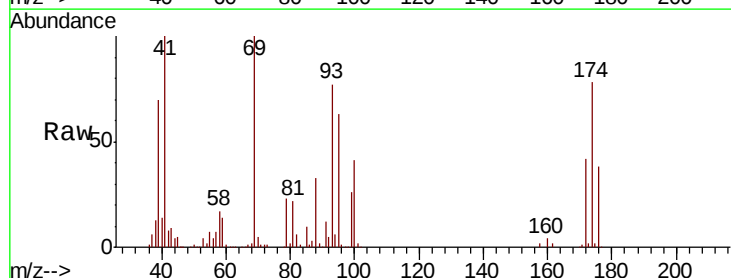


Abundance Ion 82.90 (82.60 to 83.60): VN051752.D (-2280) (-)

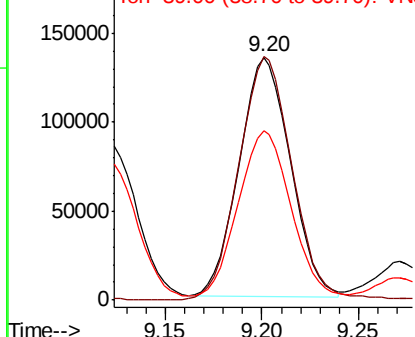
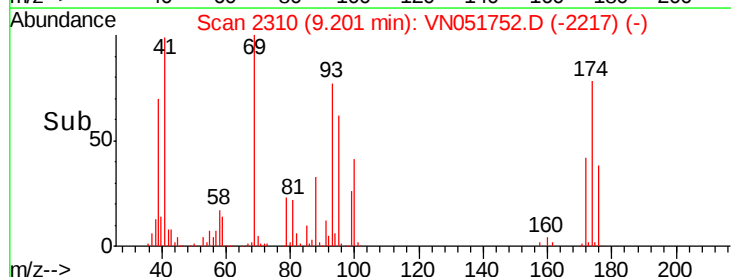


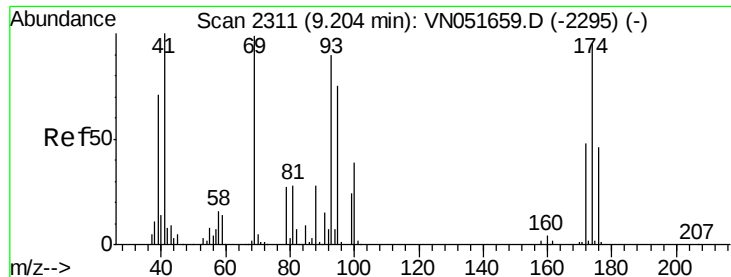
#48
Methyl methacrylate
Concen: 48.843 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion	41	Resp	247911
Ion Ratio	100		
Lower	78.6		
Upper	118.0		
69	106.0		
39	70.5		
	59.2		
	88.8		



Abundance Ion 41.00 (40.70 to 41.70): VN051752.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1156.391 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

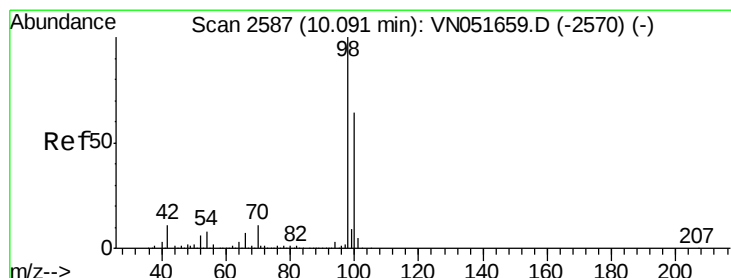
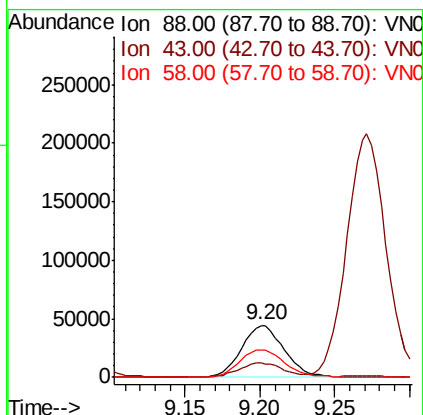
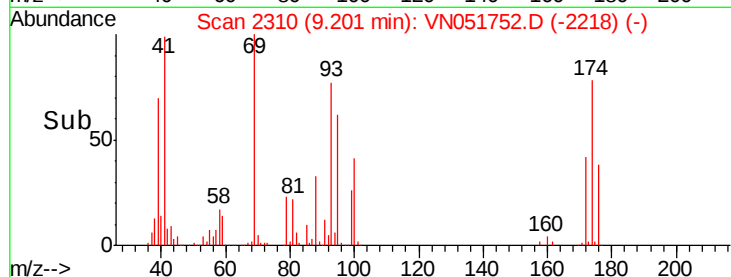
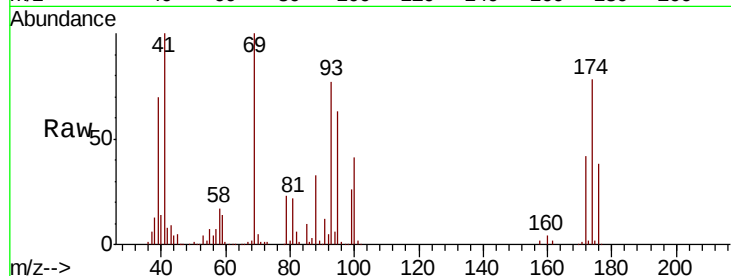
Tot Ion: 88 Resp: 88011

Ion Ratio Lower Upper

88 100

43 26.4 24.5 36.7

58 56.0 47.6 71.4



#50

Toluene-d8

Concen: 1156.391 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051752.D

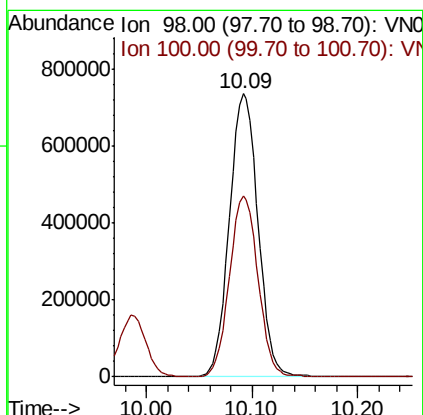
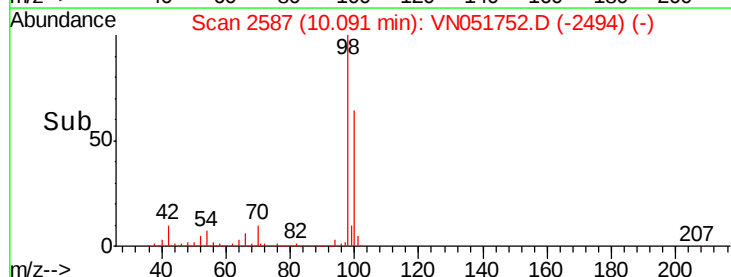
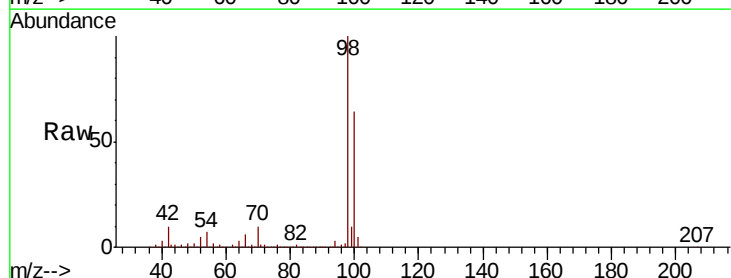
Acq: 9 Oct 2018 16:51

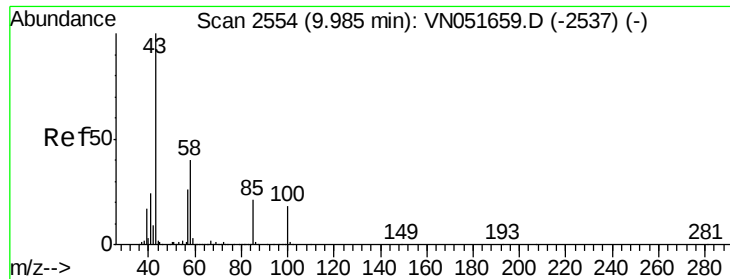
Tgt Ion: 98 Resp: 1384751

Ion Ratio Lower Upper

98 100

100 63.6 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 255.132 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

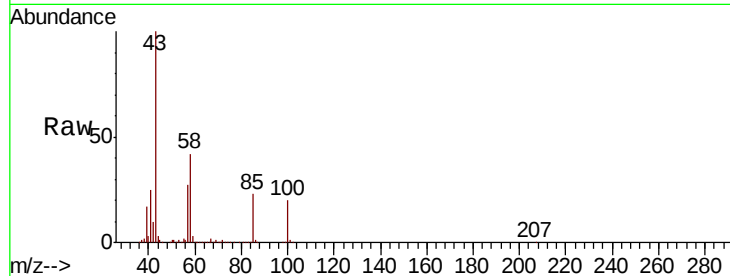
VSTDCCC050

Tot Ion: 43 Resp: 1436053

Ion Ratio Lower Upper

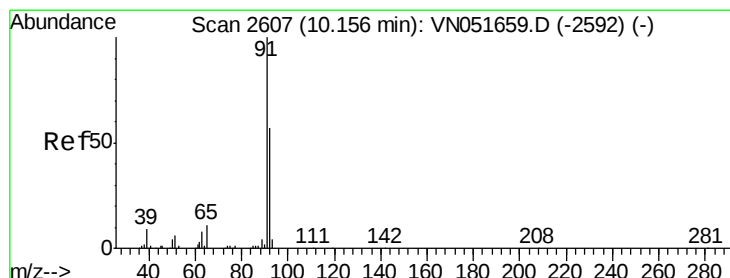
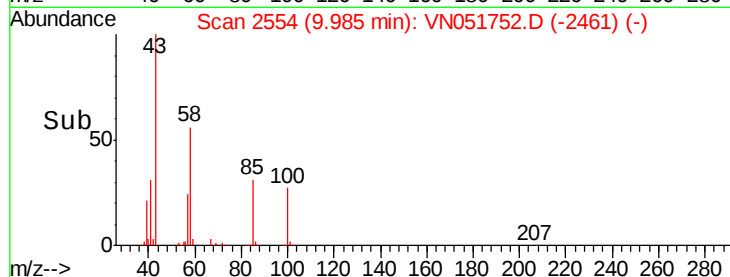
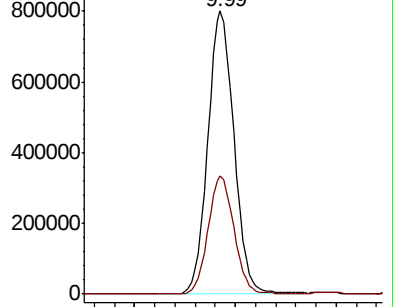
43 100

58 41.5 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) (-)



#52

Toluene

Concen: 50.152 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051752.D

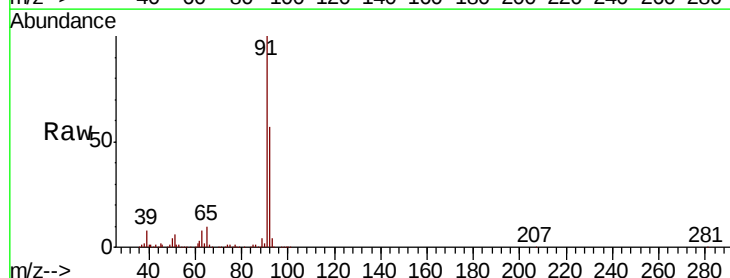
Acq: 9 Oct 2018 16:51

Tgt Ion: 92 Resp: 1010110

Ion Ratio Lower Upper

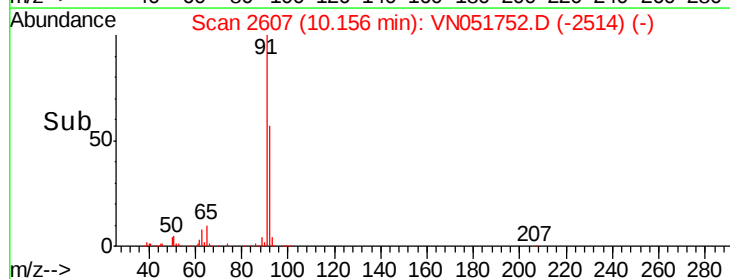
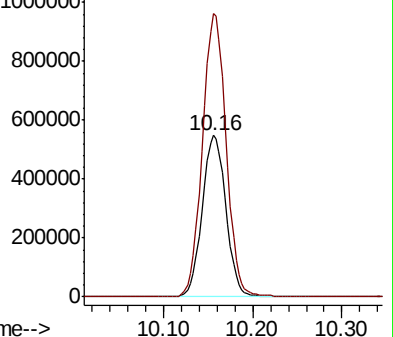
92 100

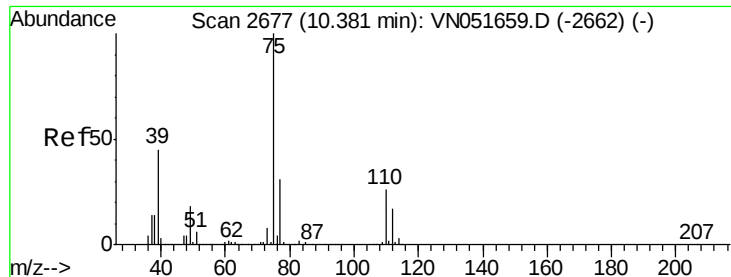
91 175.2 140.3 210.5



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

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





#53

t-1,3-Dichloropropene

Concen: 48.480 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

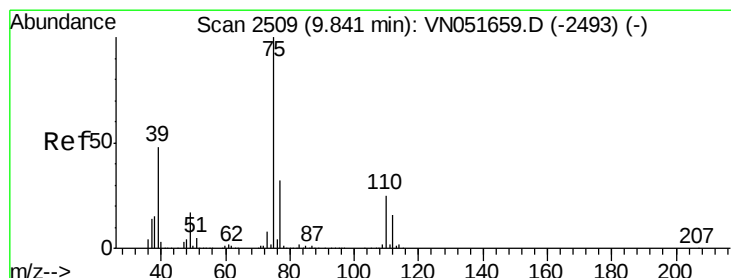
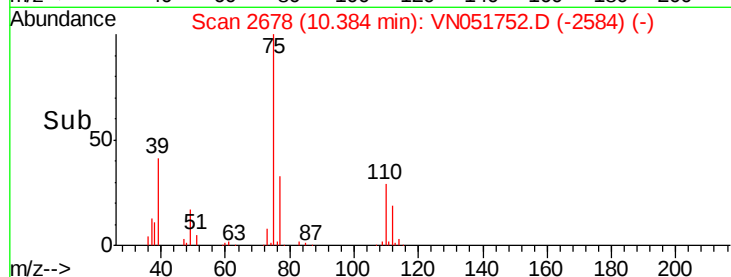
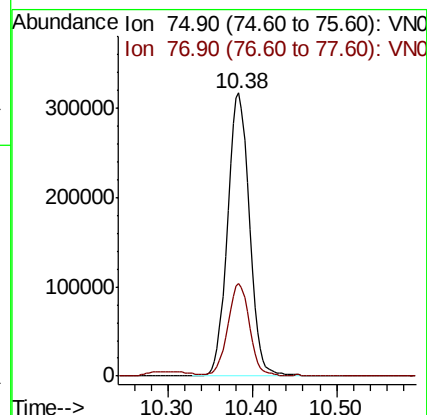
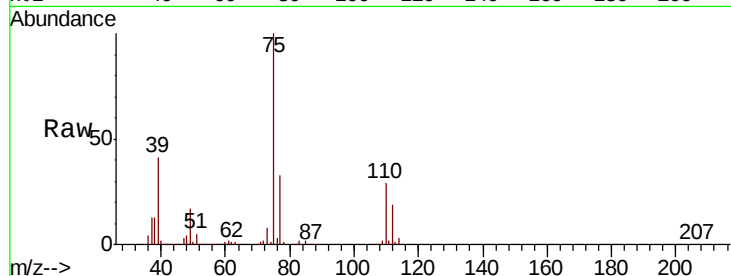
VSTDCCC050

Tot Ion: 75 Resp: 573085

Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 48.234 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

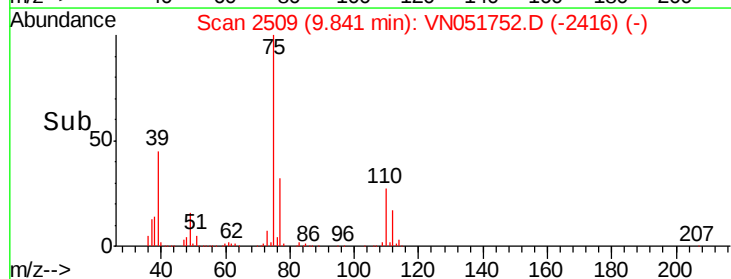
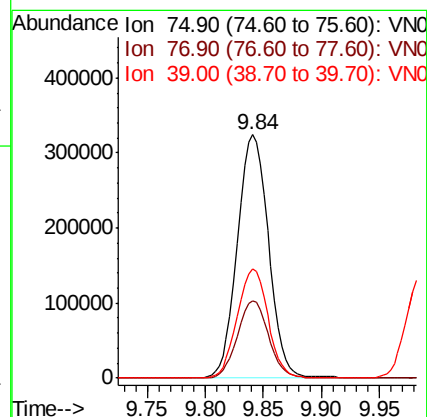
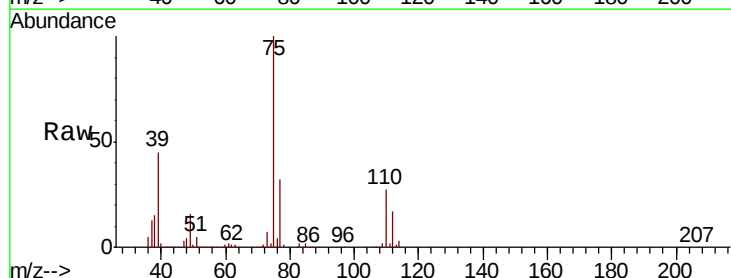
Tgt Ion: 75 Resp: 605474

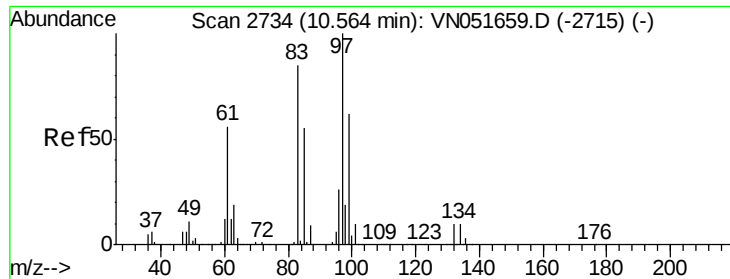
Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

39 44.9 38.1 57.1

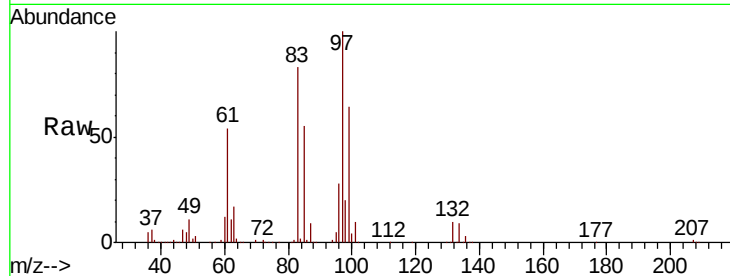




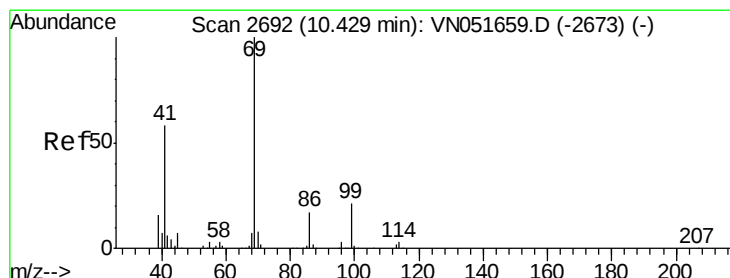
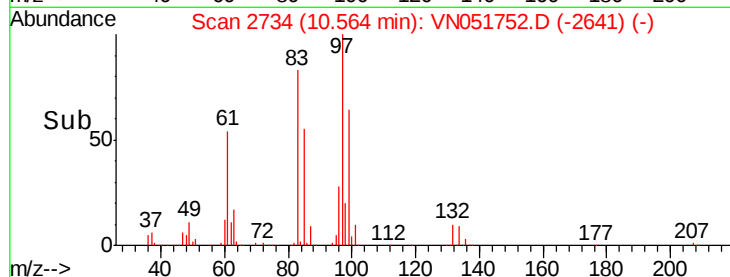
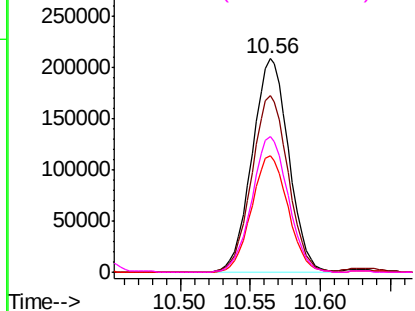
#55
 1,1,2-Trichloroethane
 Concen: 52.921 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	379705
Ion	Ratio	Lower	Upper
97	100		
83	82.9	68.1	102.1
85	54.8	43.6	65.4
99	63.7	49.4	74.0

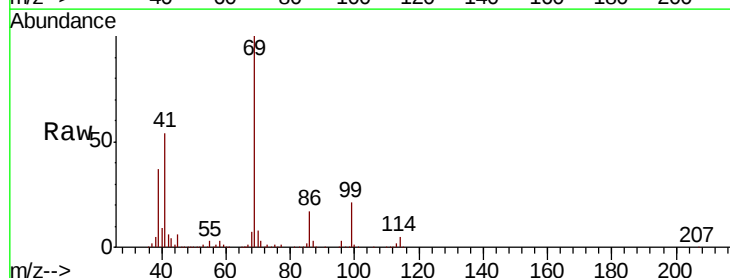


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

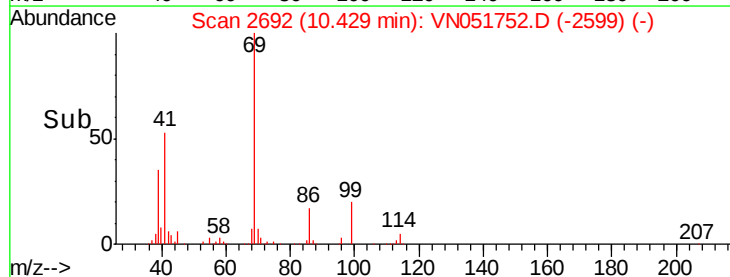
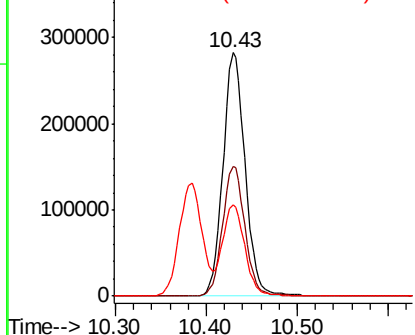


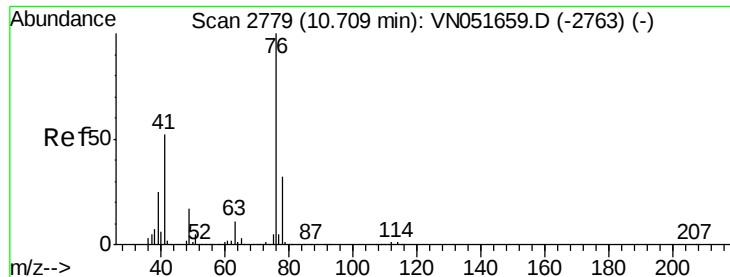
#56
 Ethyl methacrylate
 Concen: 52.639 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion:	69	Resp:	477617
Ion	Ratio	Lower	Upper
69	100		
41	53.1	46.4	69.6
39	37.8	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

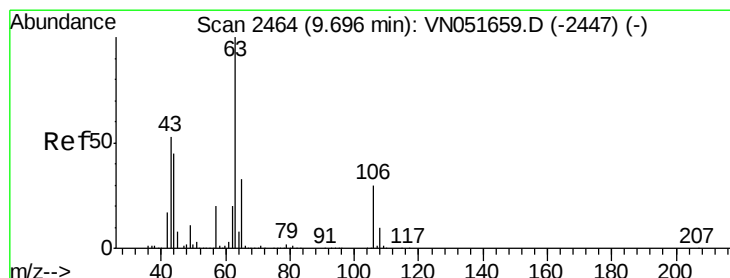
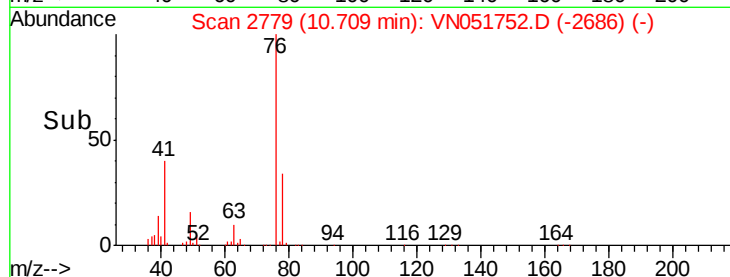
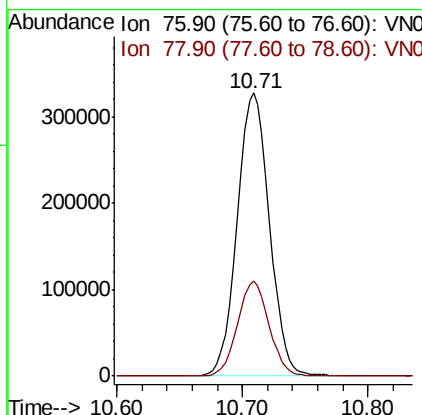
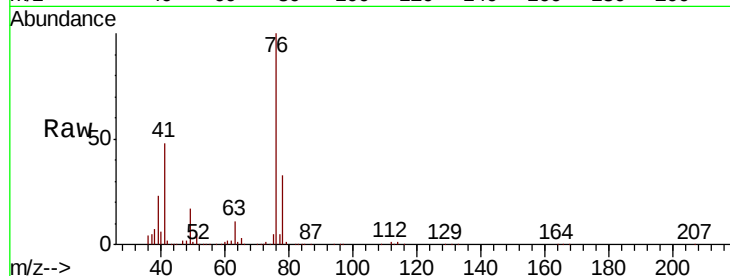




#57
 1,3-Dichloropropane
 Concen: 51.443 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

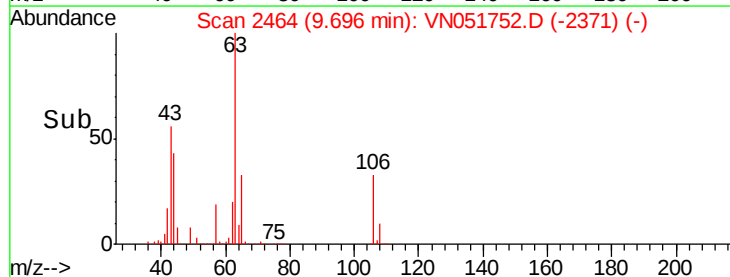
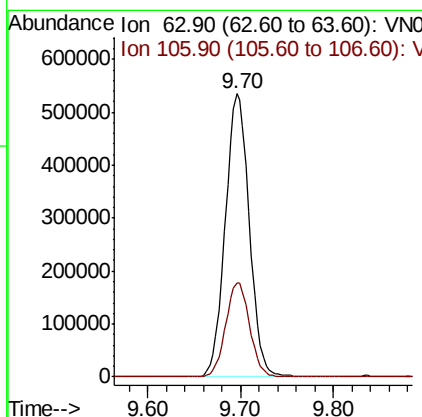
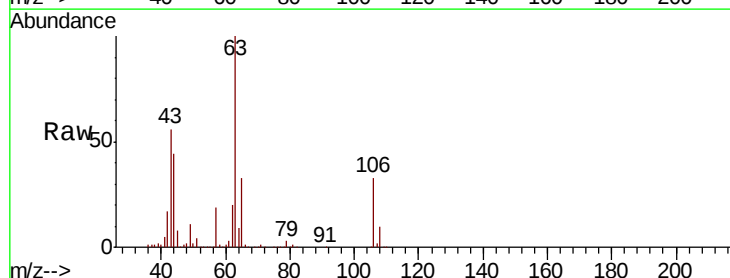
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

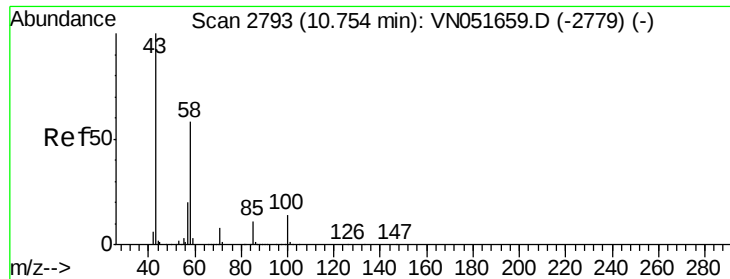
Tot Ion: 76 Resp: 584177
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.450 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion: 63 Resp: 959269
 Ion Ratio Lower Upper
 63 100
 106 33.2 24.3 36.5

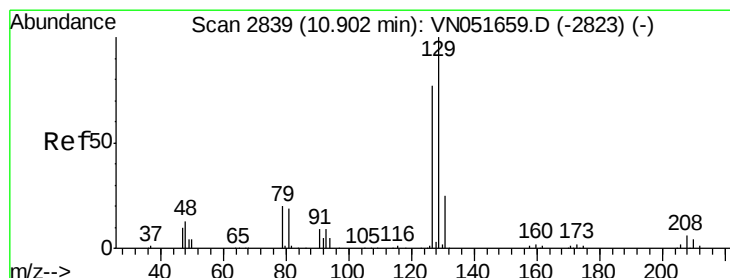
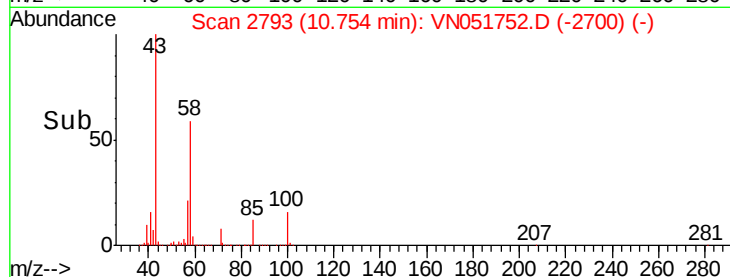
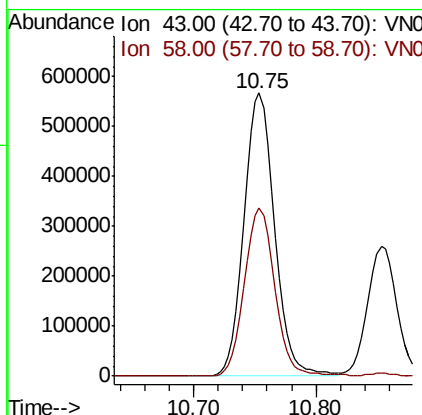
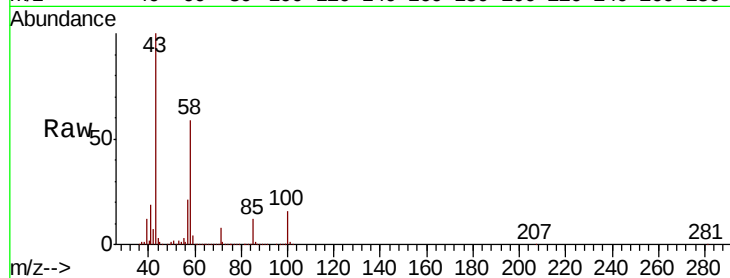




#59
2-Hexanone
Concen: 255.485 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

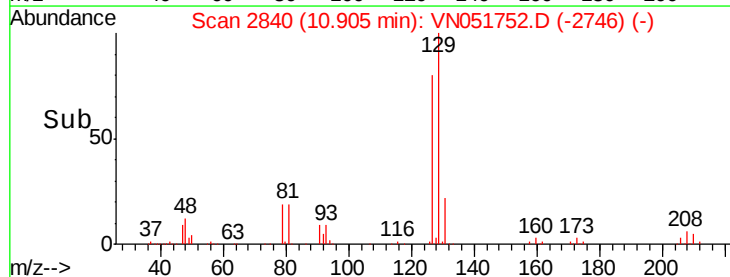
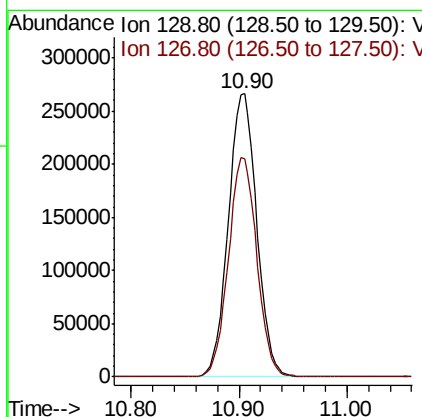
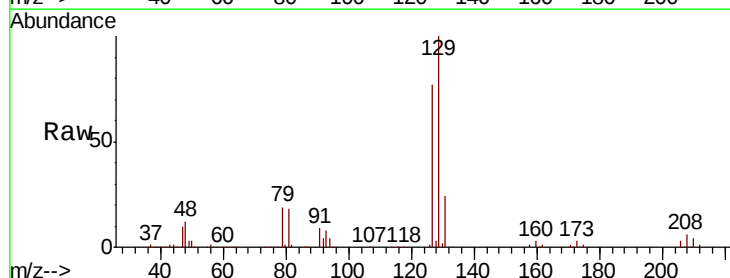
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

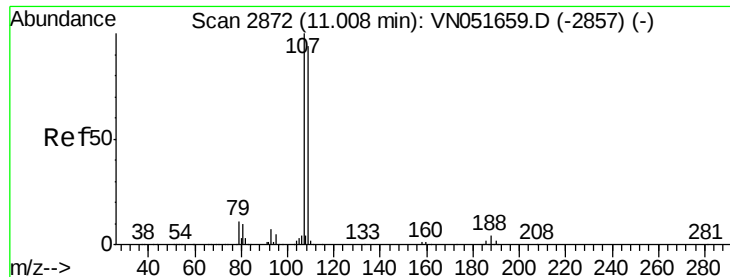
Tot Ion: 43 Resp: 976620
Ion Ratio Lower Upper
43 100
58 59.4 28.8 86.4



#60
Dibromochloromethane
Concen: 51.939 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion: 129 Resp: 487680
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7

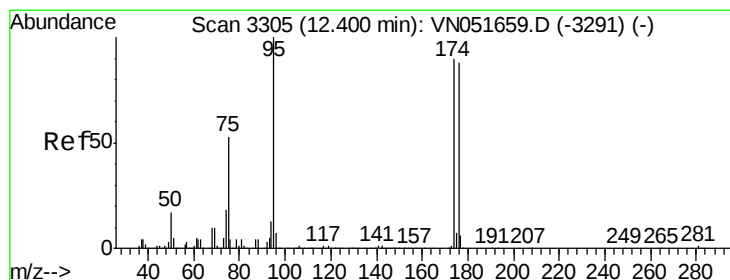
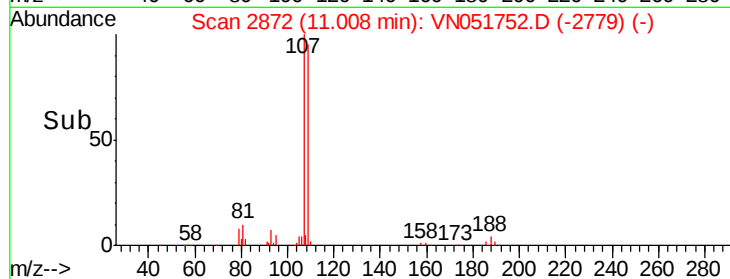
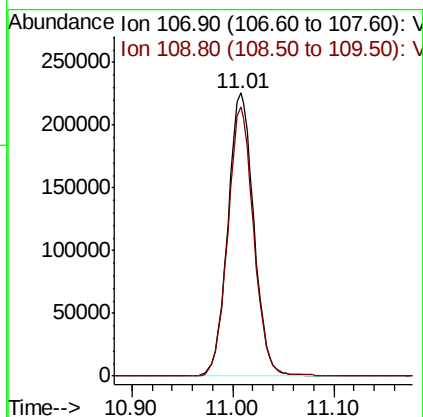
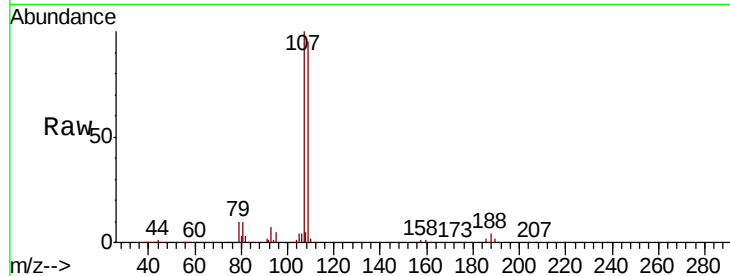




#61
 1,2-Dibromoethane
 Concen: 53.413 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

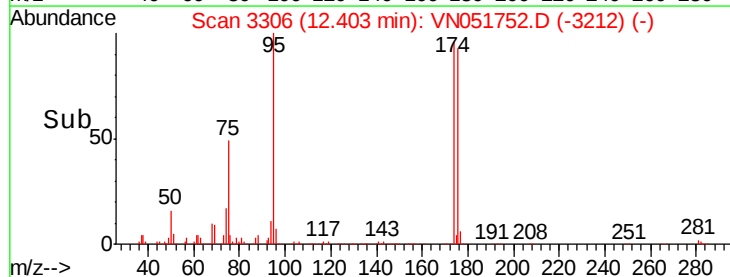
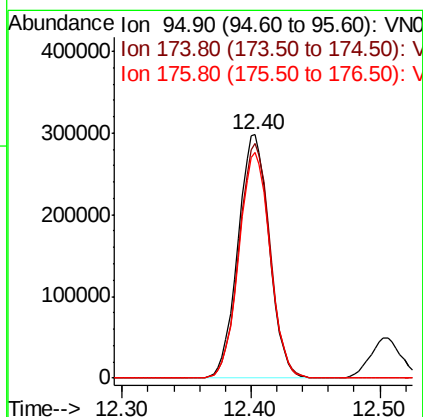
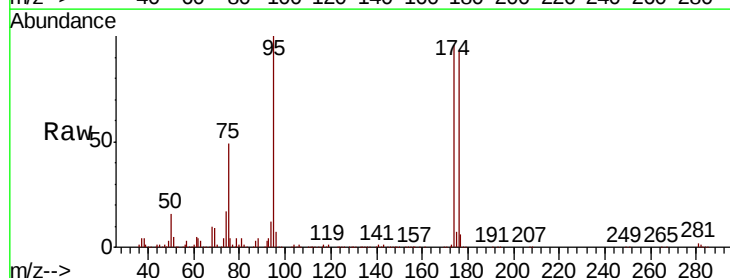
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

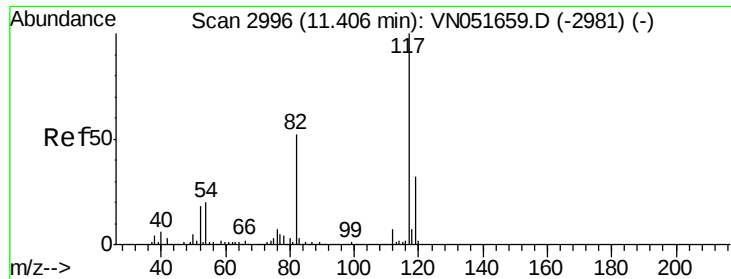
Tot Ion:107 Resp: 405136
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 53.413 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion: 95 Resp: 502479
 Ion Ratio Lower Upper
 95 100
 174 95.8 0.0 182.8
 176 92.3 0.0 176.4

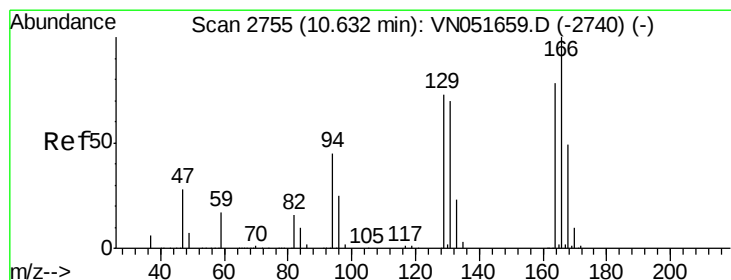
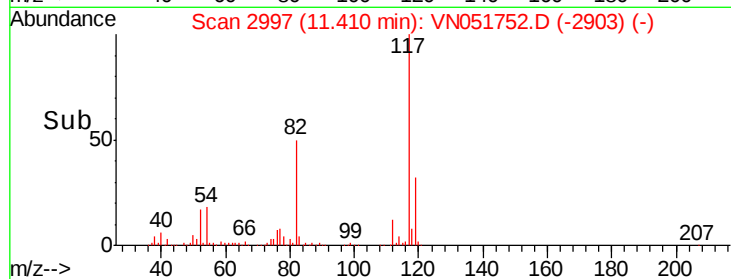
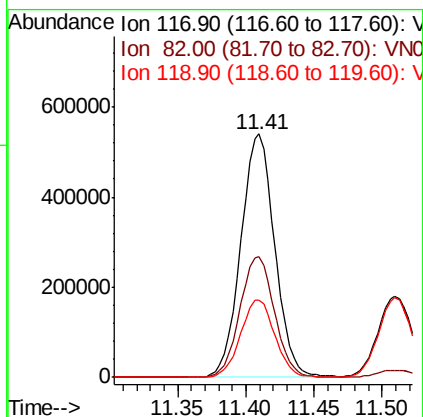
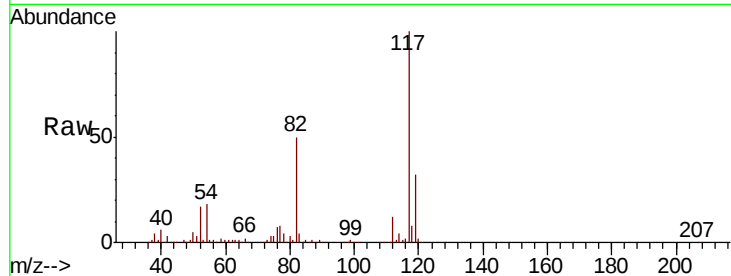




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

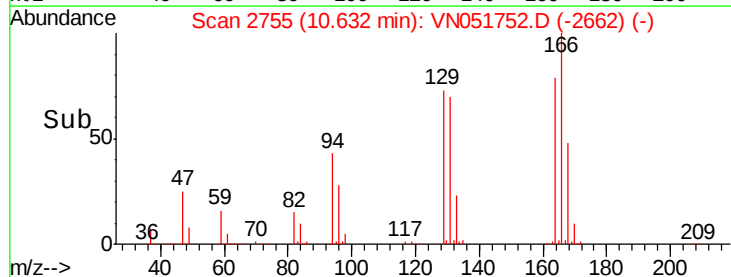
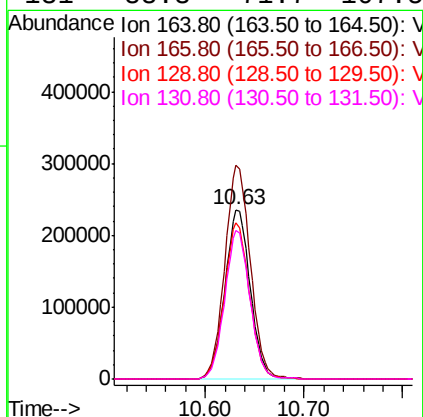
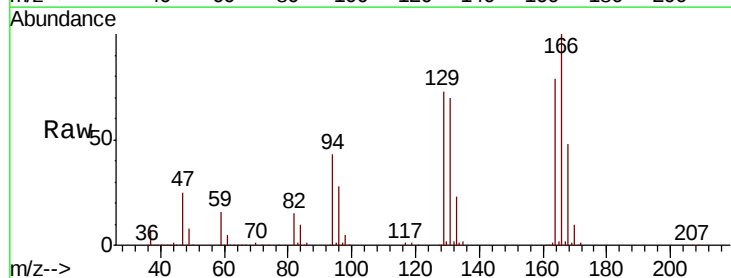
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

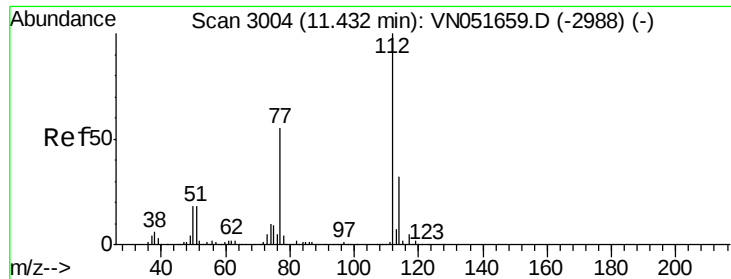
Tot Ion:117 Resp: 933132
Ion Ratio Lower Upper
117 100
82 49.7 41.3 61.9
119 32.0 25.9 38.9



#64
Tetrachloroethene
Concen: 51.613 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion:164 Resp: 424909
Ion Ratio Lower Upper
164 100
166 126.4 103.0 154.6
129 92.5 75.2 112.8
131 88.3 71.7 107.5





#65

Chlorobenzene

Concen: 51.407 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

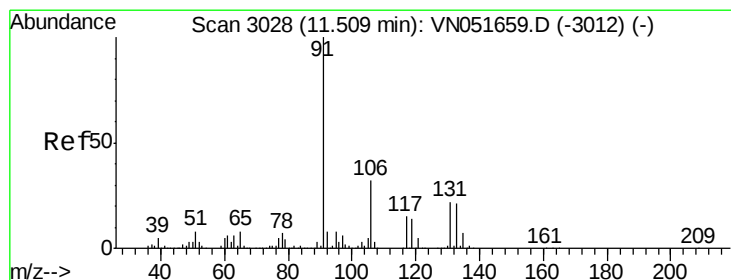
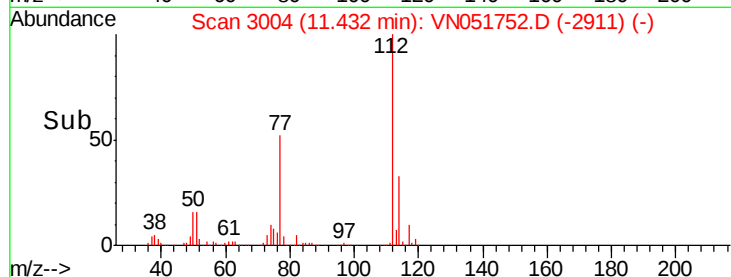
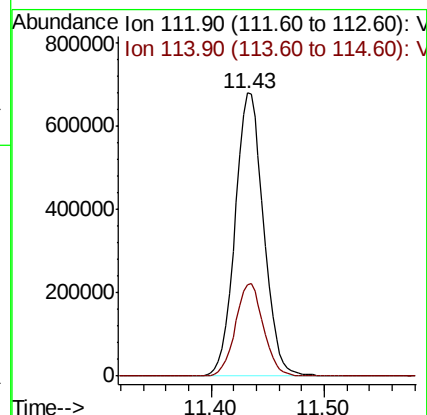
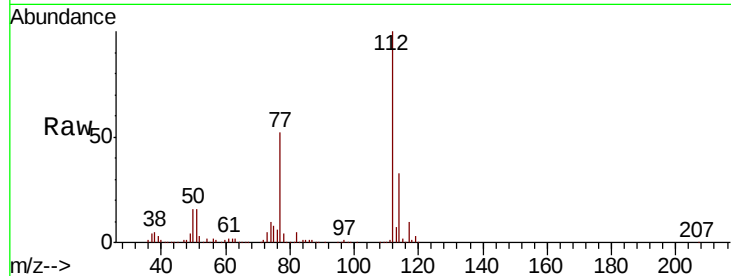
VSTDCCC050

Tot Ion:112 Resp: 1188052

Ion Ratio Lower Upper

112 100

114 32.5 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 50.720 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

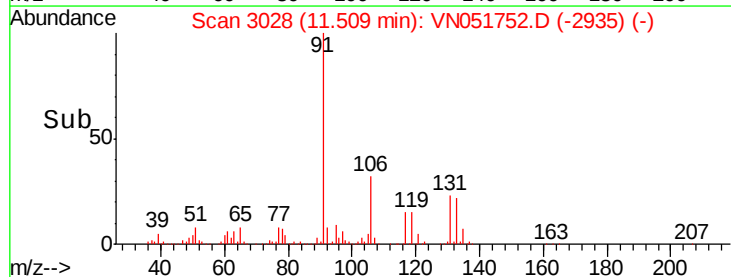
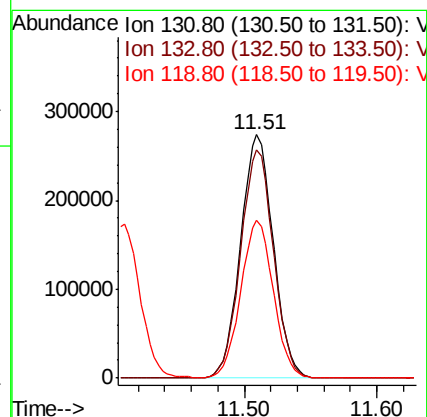
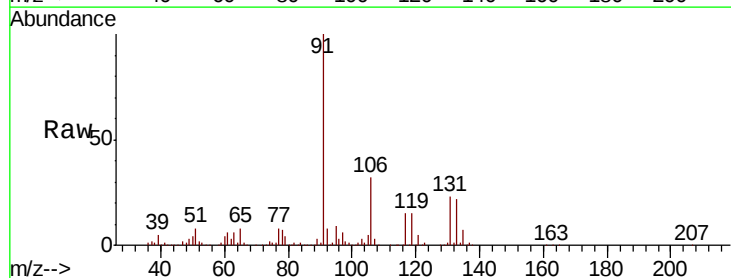
Tgt Ion:131 Resp: 469338

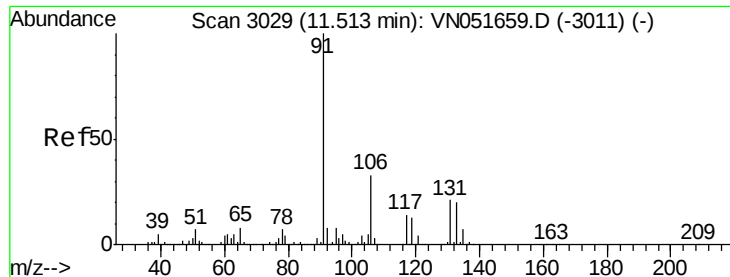
Ion Ratio Lower Upper

131 100

133 94.4 47.6 142.8

119 64.6 32.0 96.0

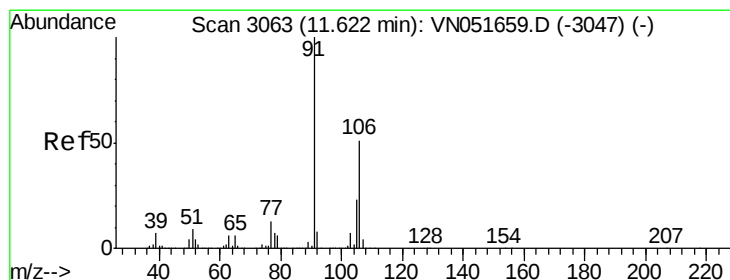
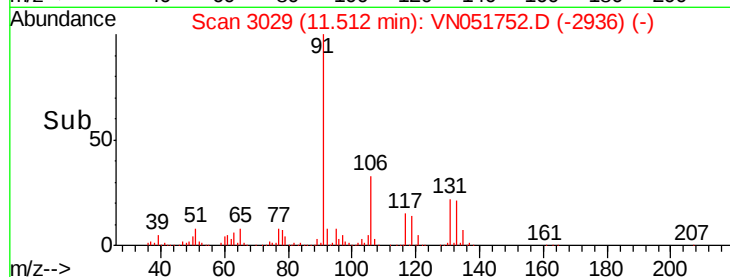
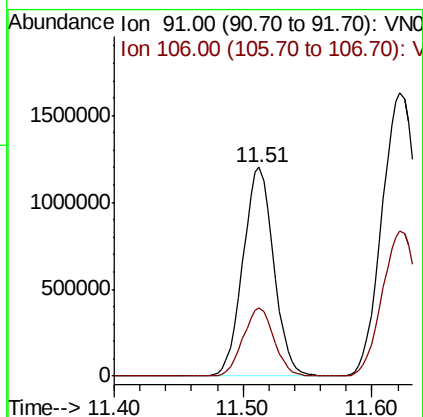
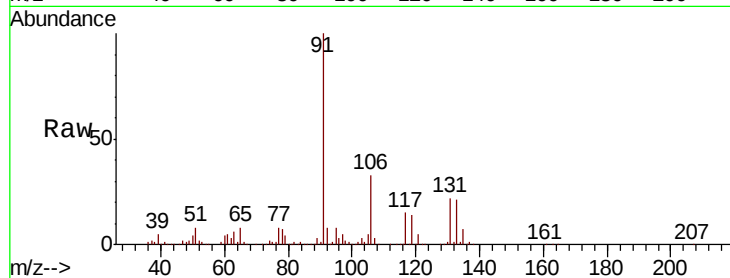




#67
Ethyl Benzene
Concen: 49.994 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

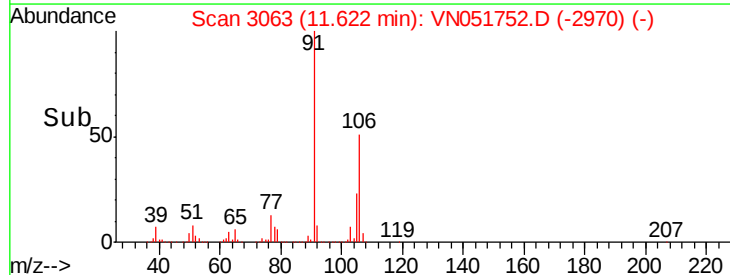
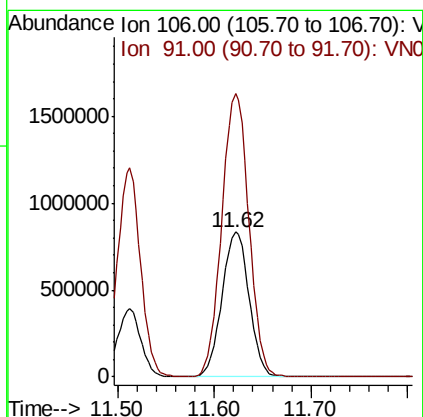
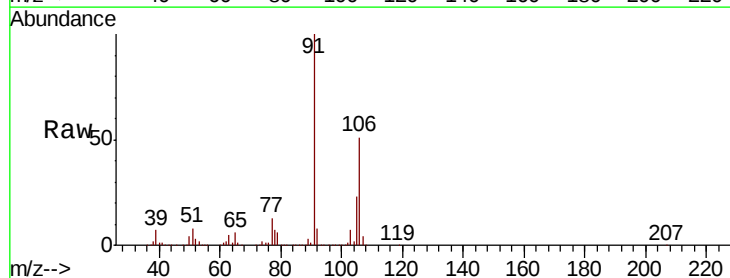
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

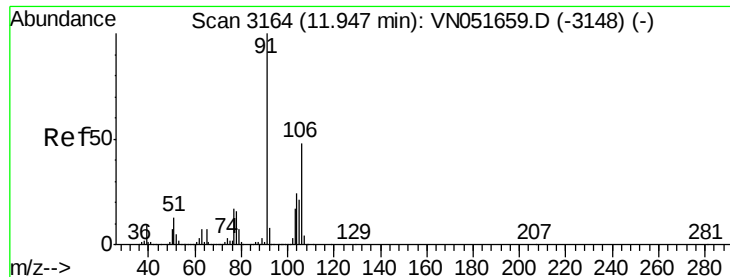
Tot Ion: 91 Resp: 1997014
Ion Ratio Lower Upper
91 100
106 32.6 26.0 39.0



#68
m/p-Xylenes
Concen: 101.727 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion: 106 Resp: 1625879
Ion Ratio Lower Upper
106 100
91 195.0 158.4 237.6

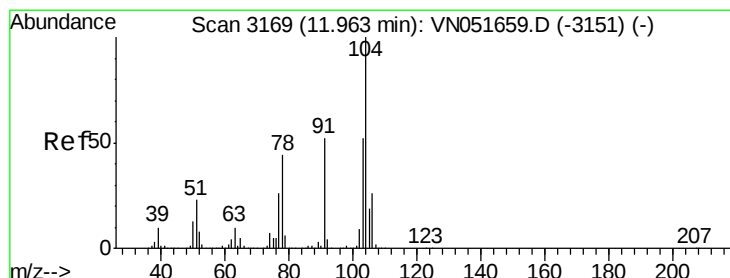
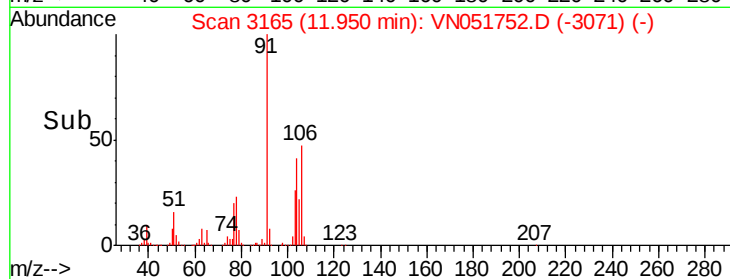
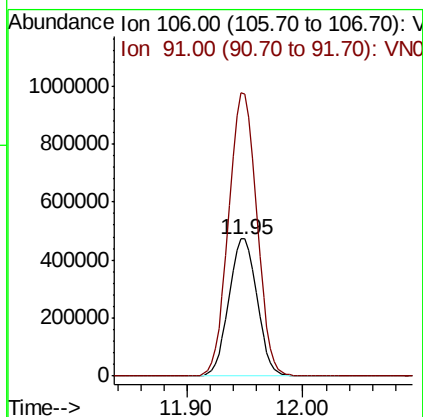
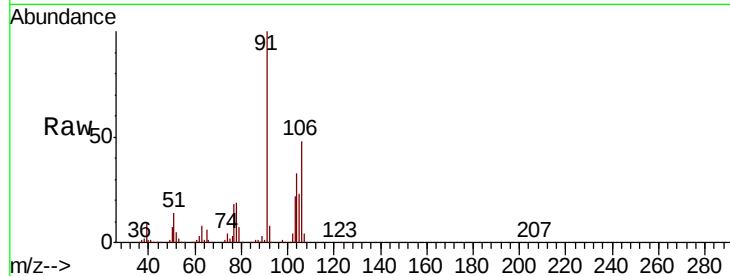




#69
o-Xylene
Concen: 50.648 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

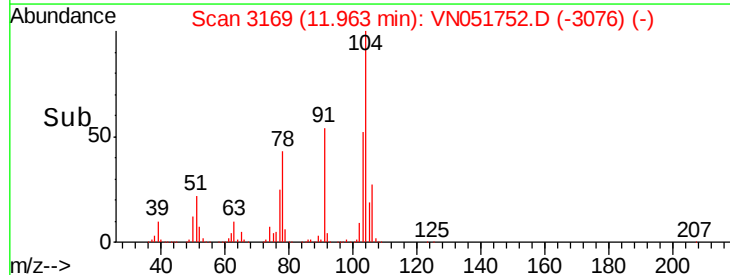
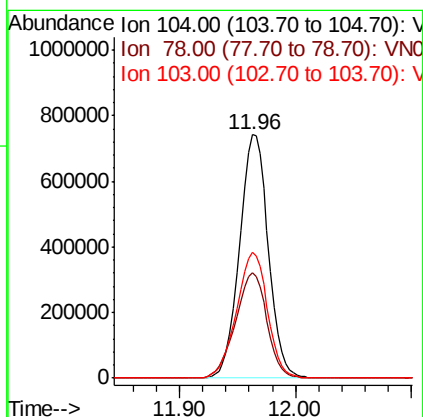
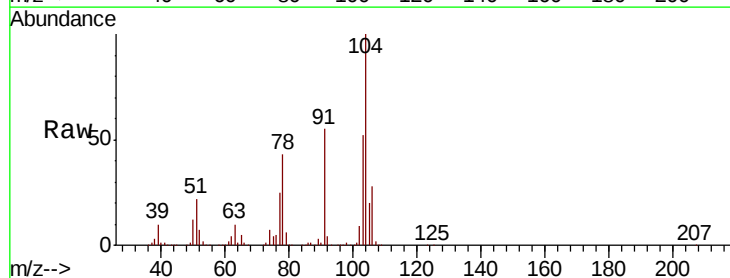
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

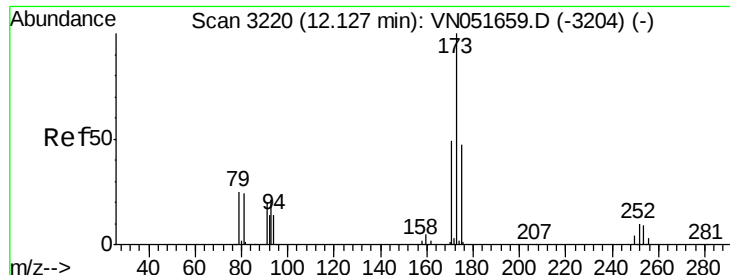
Tot Ion:106 Resp: 793877
Ion Ratio Lower Upper
106 100
91 206.5 104.4 313.2



#70
Styrene
Concen: 51.109 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion:104 Resp: 1276506
Ion Ratio Lower Upper
104 100
78 47.1 39.3 58.9
103 55.8 45.0 67.6

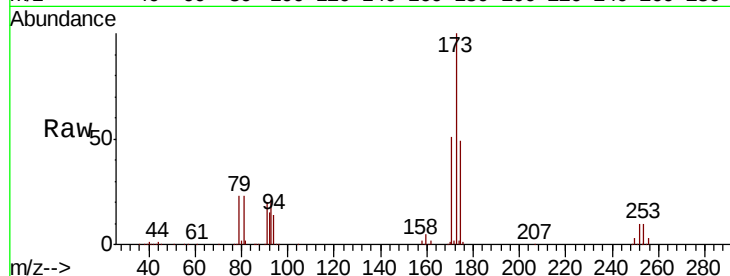




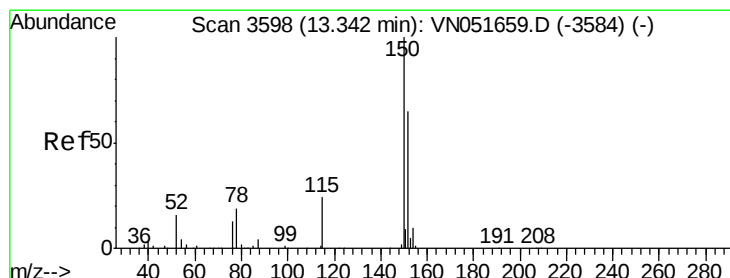
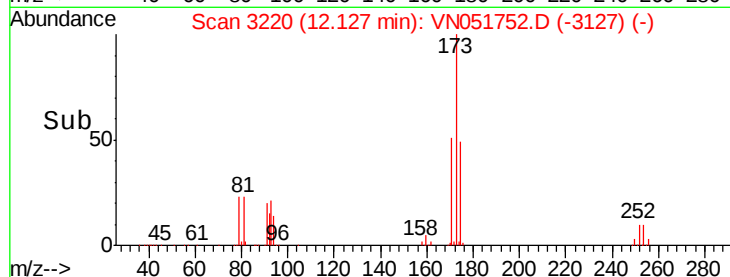
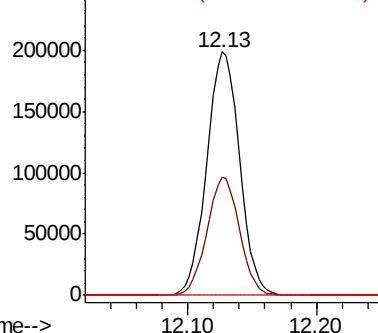
#71
Bromoform
Concen: 51.137 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:173 Resp: 351967
Ion Ratio Lower Upper
173 100
175 48.0 24.0 72.0
254 0.1 0.1 0.1#

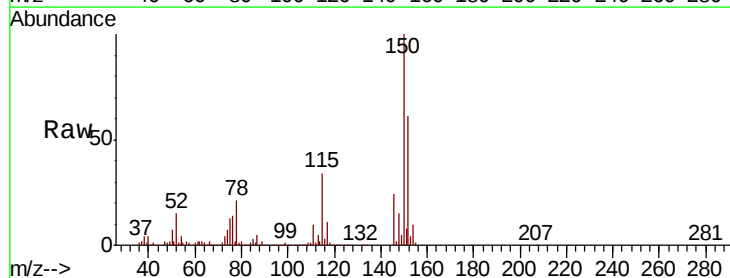


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

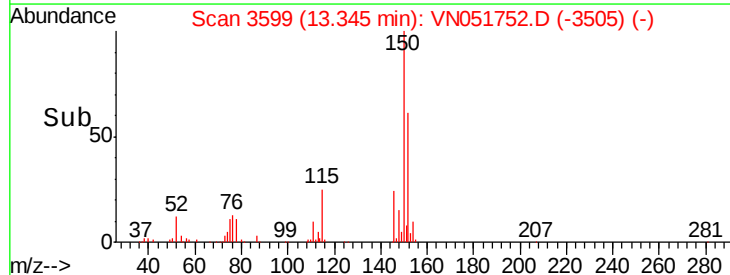
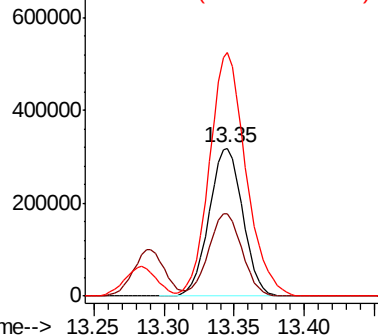


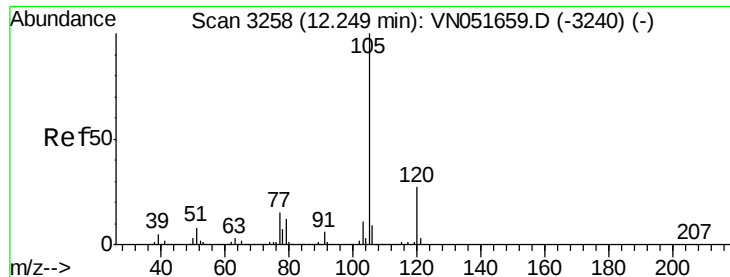
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion:152 Resp: 534098
Ion Ratio Lower Upper
152 100
115 55.4 28.6 85.8
150 177.3 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: 46.984 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampled :

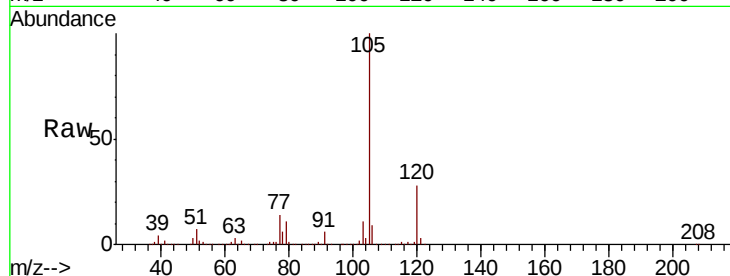
VSTDCCC050

Tot Ion:105 Resp: 2139103

Ion Ratio Lower Upper

105 100

120 27.6 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

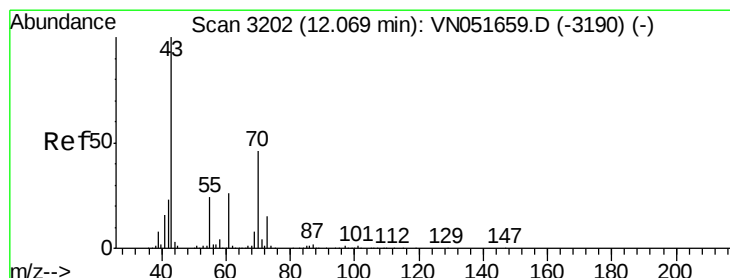
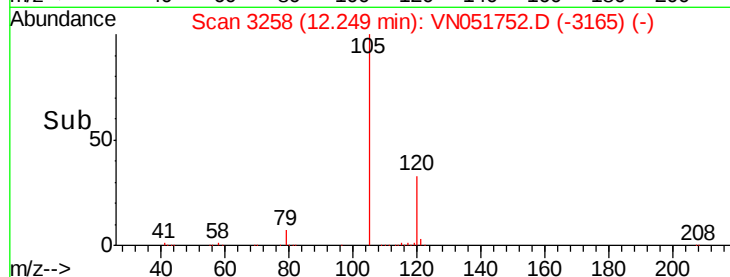
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 49.072 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Tgt Ion: 43 Resp: 462328

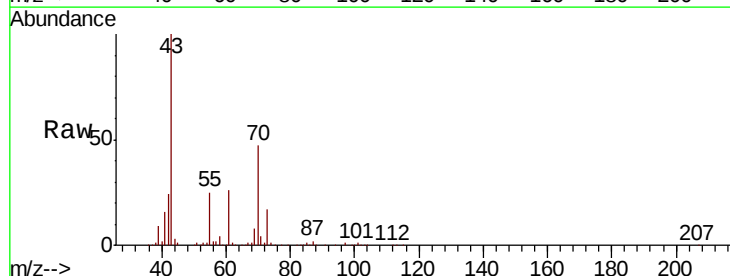
Ion Ratio Lower Upper

43 100

70 47.5 37.1 55.7

55 24.6 19.1 28.7

61 26.3 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

400000

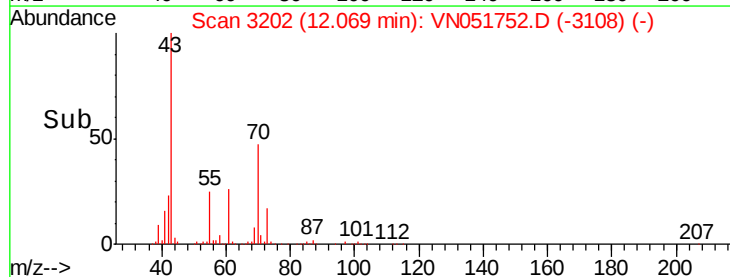
300000

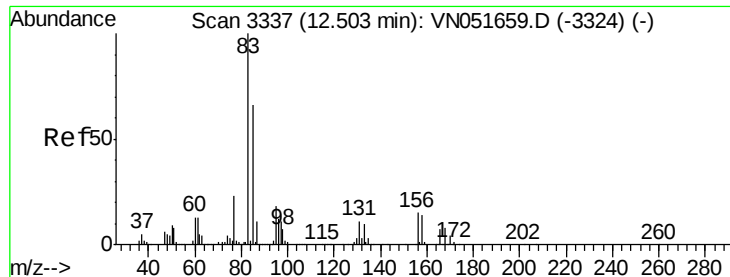
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.155 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

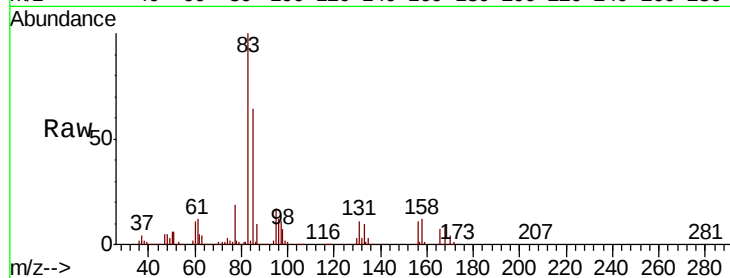
Tot Ion: 83 Resp: 483352

Ion Ratio Lower Upper

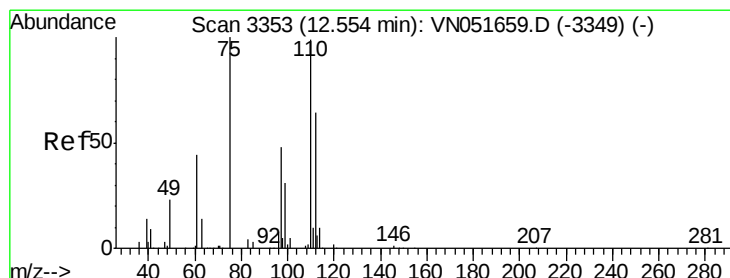
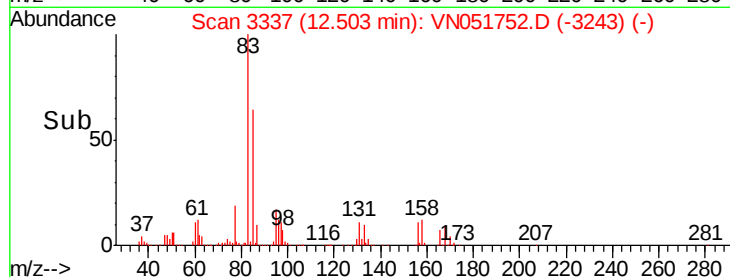
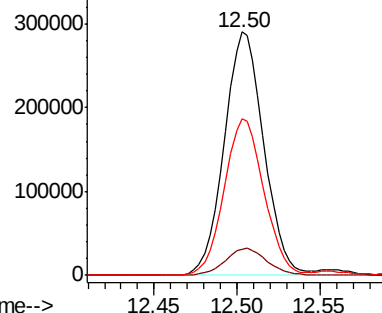
83 100

131 11.8 5.7 17.1

85 64.3 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: 90.732 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051752.D

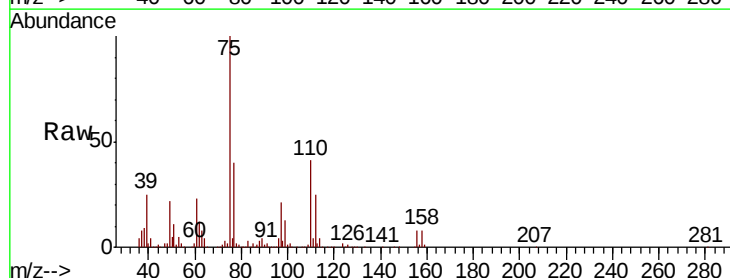
Acq: 9 Oct 2018 16:51

Tgt Ion: 75 Resp: 579946

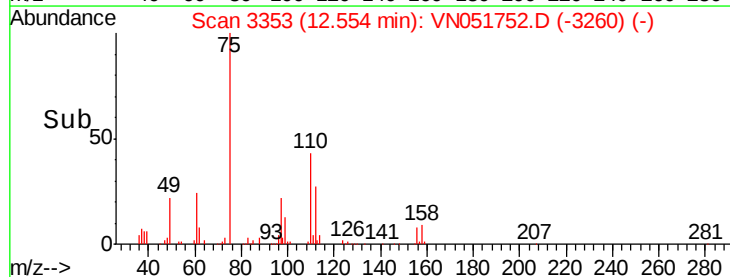
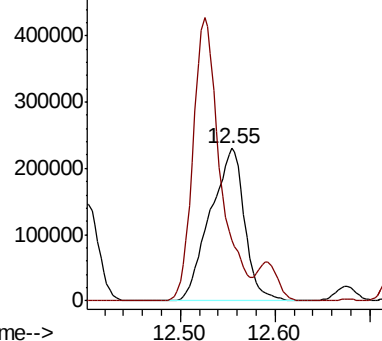
Ion Ratio Lower Upper

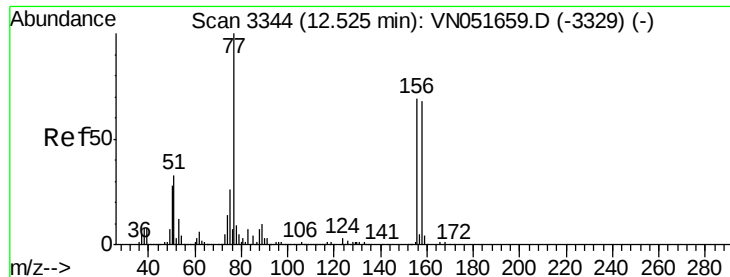
75 100

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: 48.917 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

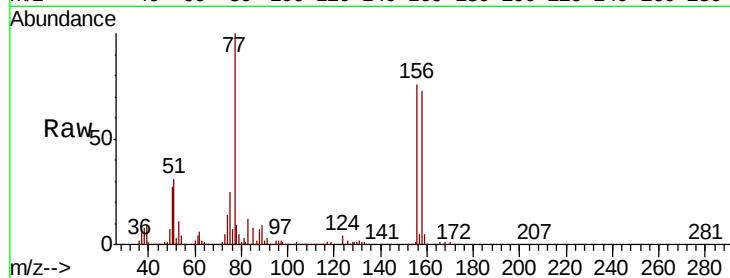
Tot Ion:156 Resp: 544560

Ion Ratio Lower Upper

156 100

77 156.4 83.2 249.4

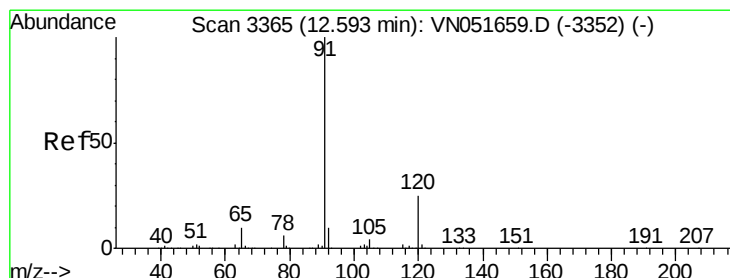
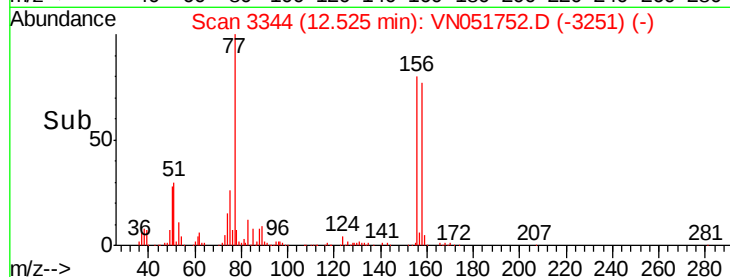
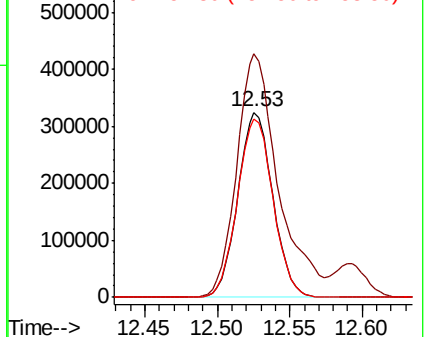
158 98.5 49.0 147.2



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: 47.186 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN051752.D

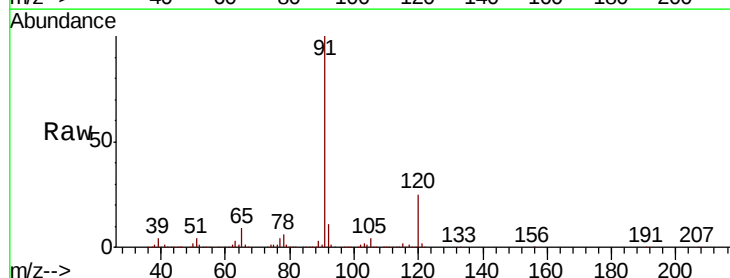
Acq: 9 Oct 2018 16:51

Tgt Ion: 91 Resp: 2343189

Ion Ratio Lower Upper

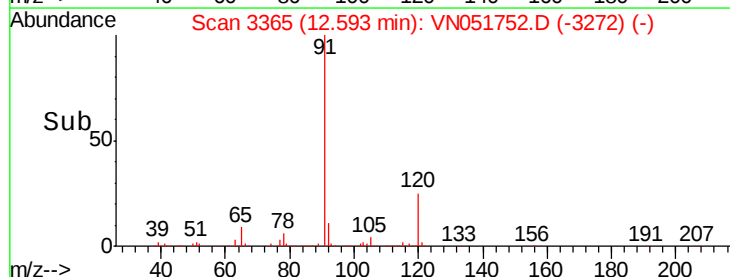
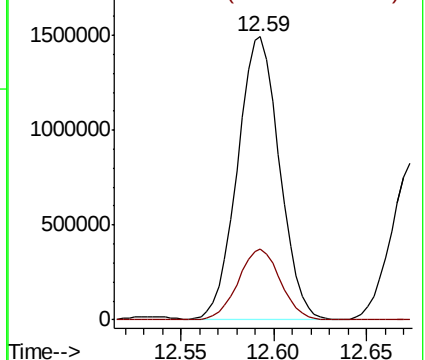
91 100

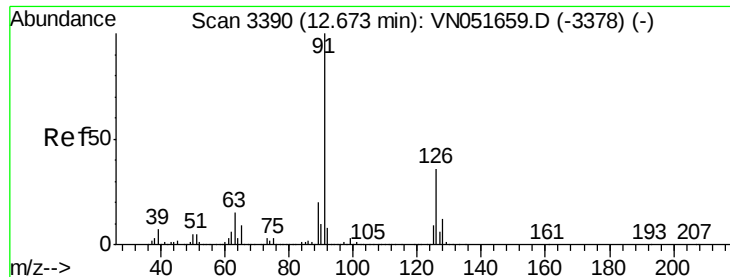
120 25.1 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

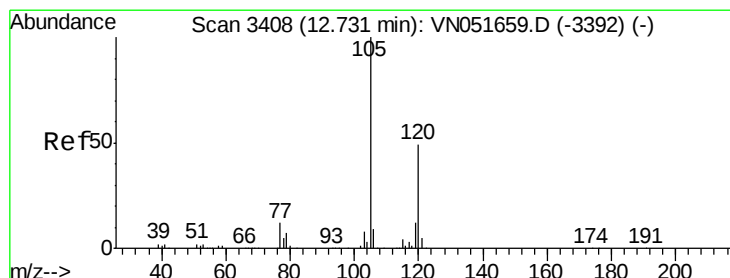
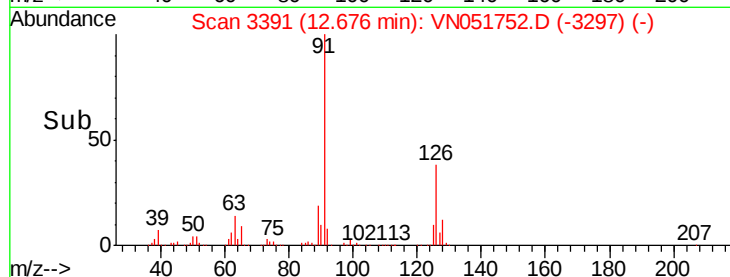
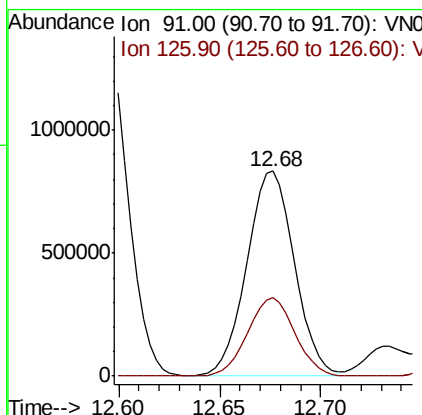
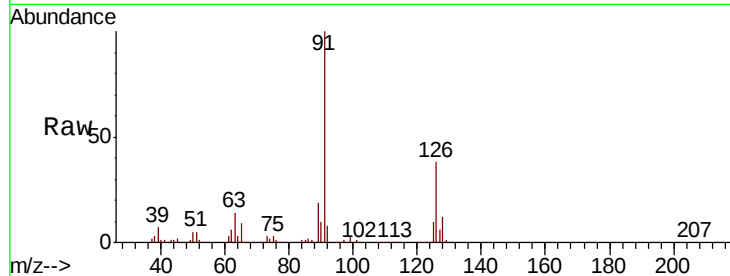




#79
 2-Chlorotoluene
 Concen: 46.926 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

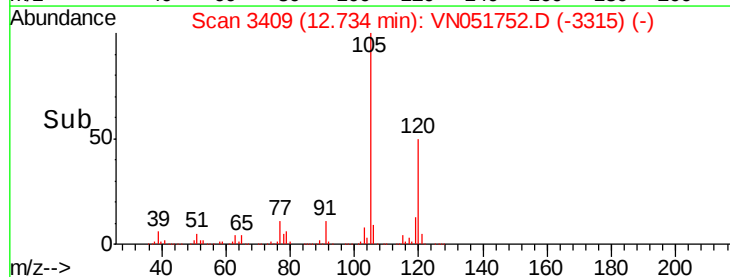
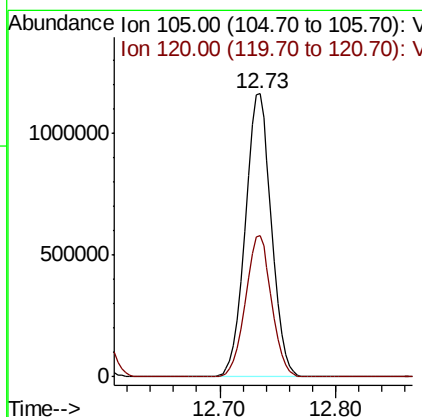
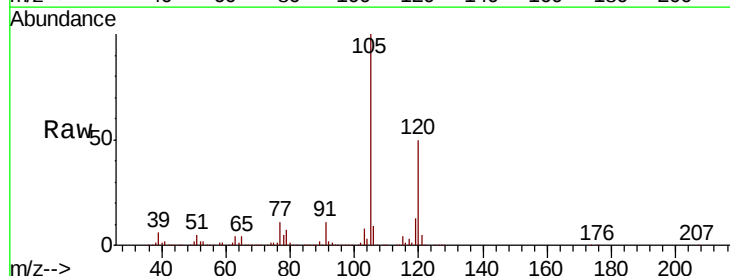
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

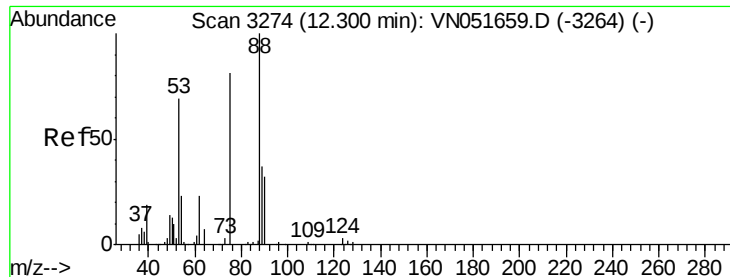
Tot Ion: 91 Resp: 1373378
 Ion Ratio Lower Upper
 91 100
 126 38.1 18.5 55.5



#80
 1,3,5-Trimethylbenzene
 Concen: 47.375 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion: 105 Resp: 1817701
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 47.415 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

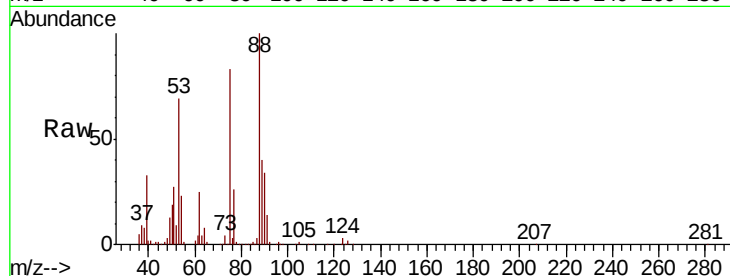
Tot Ion: 75 Resp: 137766

Ion Ratio Lower Upper

75 100

53 83.9 68.6 102.8

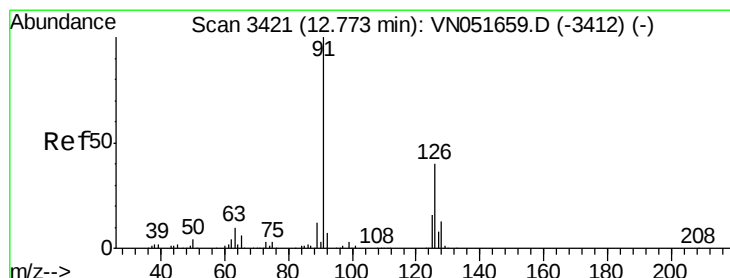
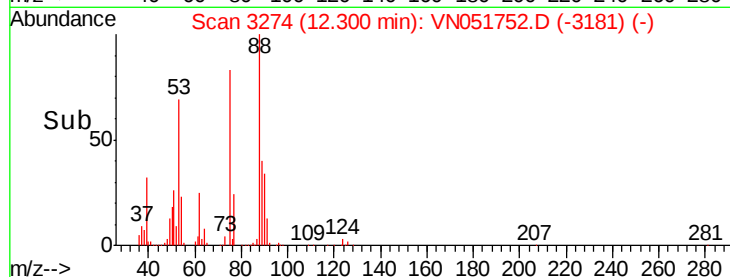
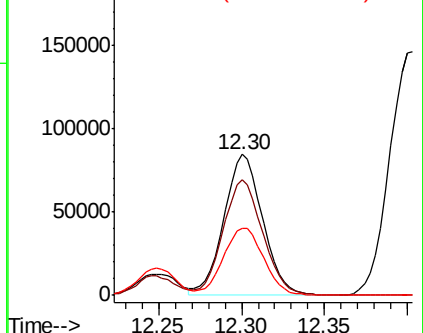
89 49.6 39.4 59.2



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: 47.816 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051752.D

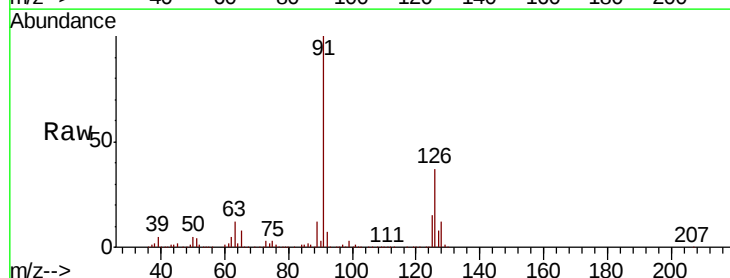
Acq: 9 Oct 2018 16:51

Tgt Ion: 91 Resp: 1405812

Ion Ratio Lower Upper

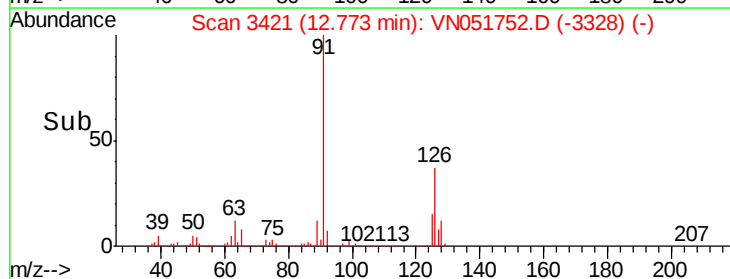
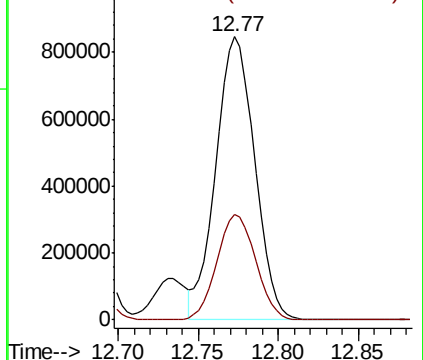
91 100

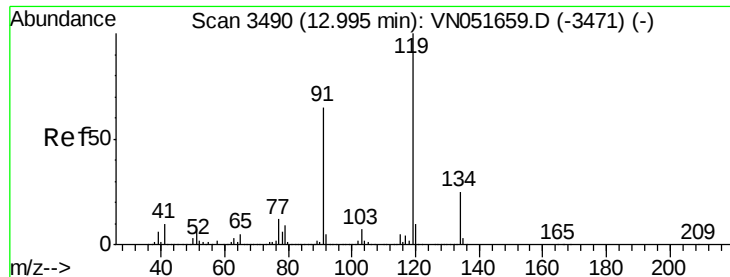
126 37.1 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

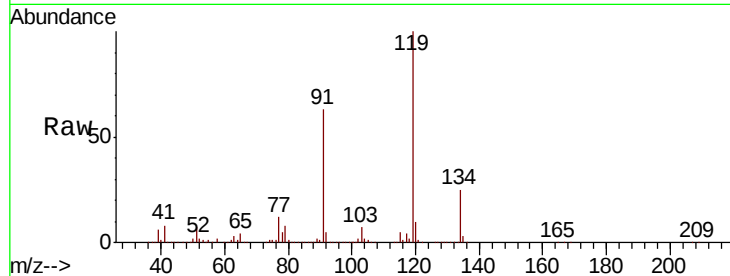




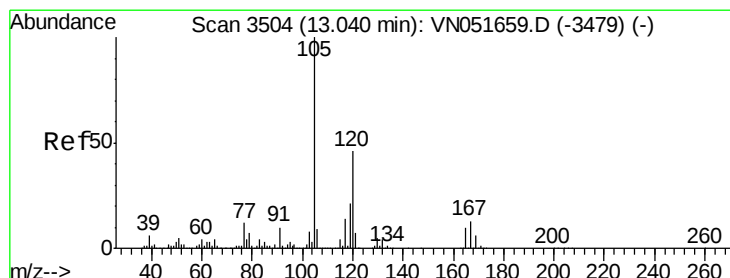
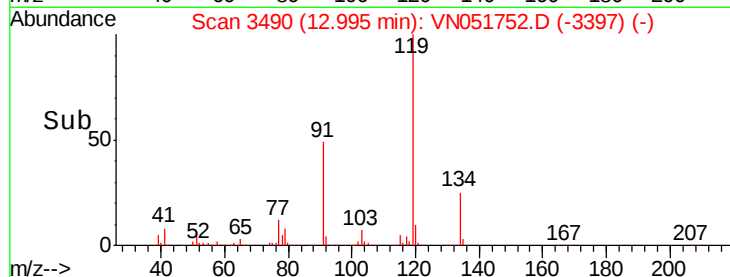
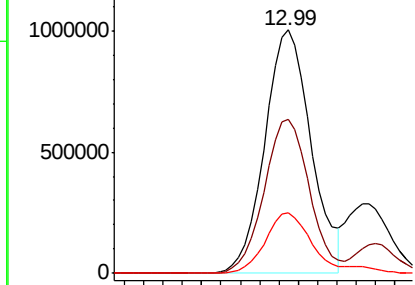
#83
 tert-Butylbenzene
 Concen: 48.625 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1671742
 Ion Ratio Lower Upper
 119 100
 91 61.9 32.1 96.5
 134 26.2 13.3 39.9

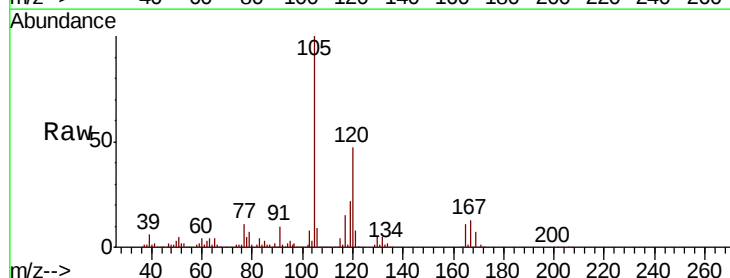


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

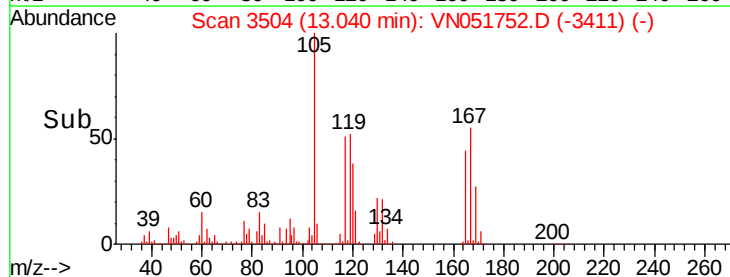
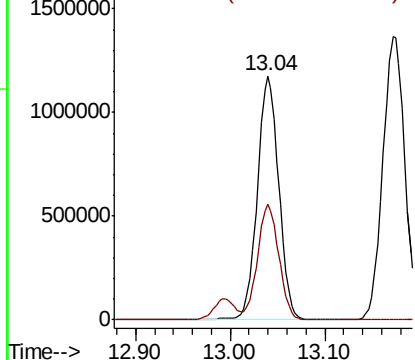


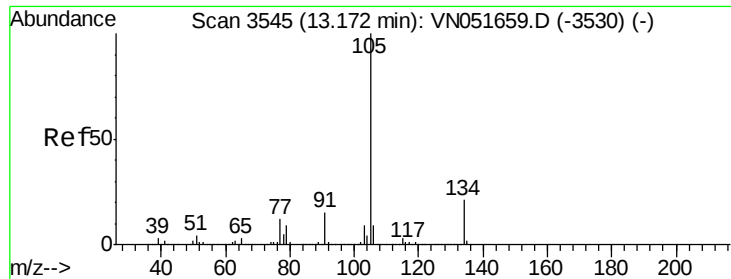
#84
 1,2,4-Trimethylbenzene
 Concen: 47.998 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion:105 Resp: 1844663
 Ion Ratio Lower Upper
 105 100
 120 47.3 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: 48.347 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

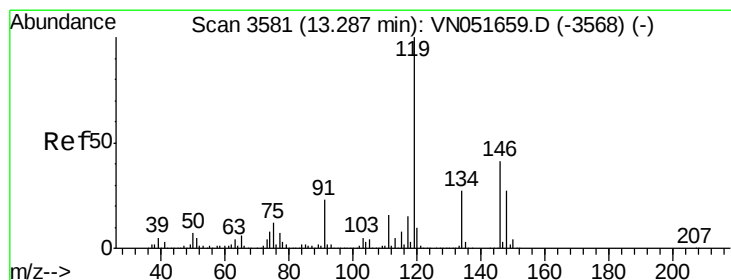
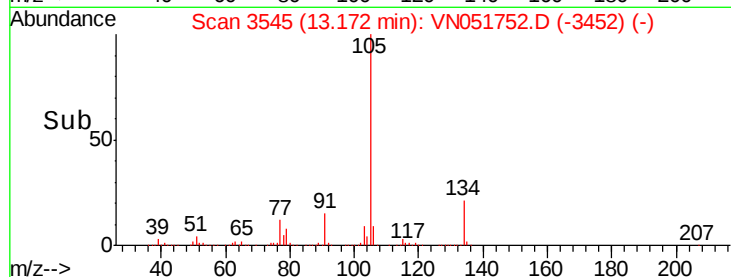
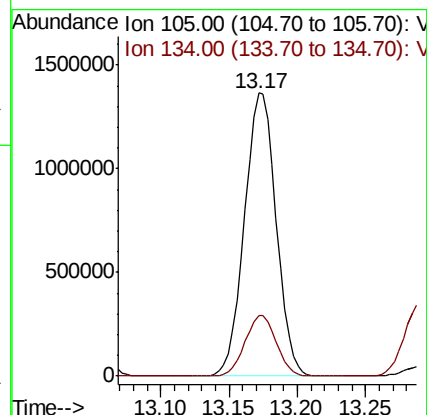
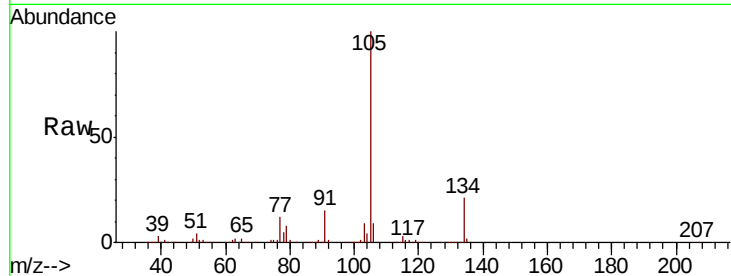
VSTDCCC050

Tot Ion:105 Resp: 2198681

Ion Ratio Lower Upper

105 100

134 21.3 10.5 31.6



#86

p-Isopropyltoluene

Concen: 49.283 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

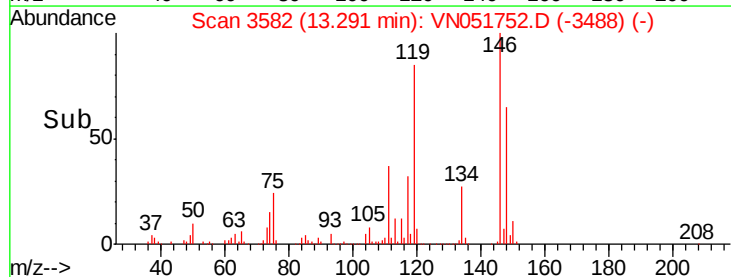
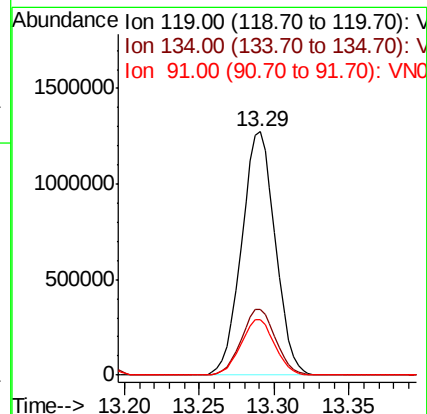
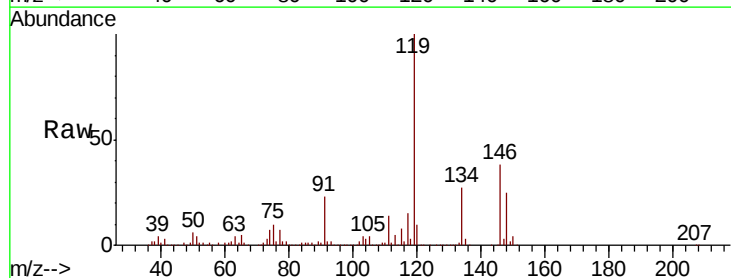
Tgt Ion:119 Resp: 1986910

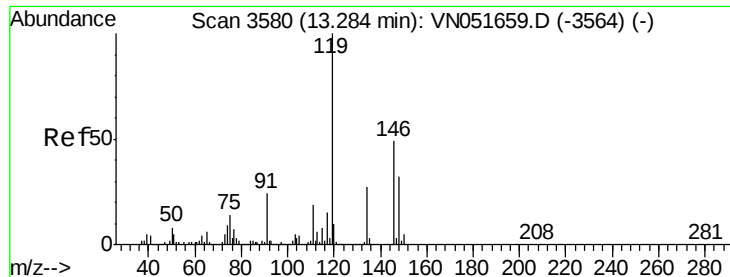
Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.2

91 22.9 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 51.558 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

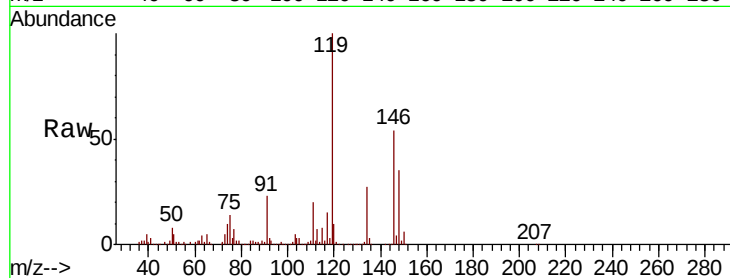
Tot Ion:146 Resp: 1000119

Ion Ratio Lower Upper

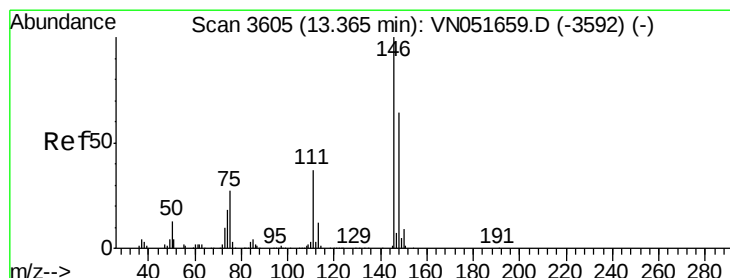
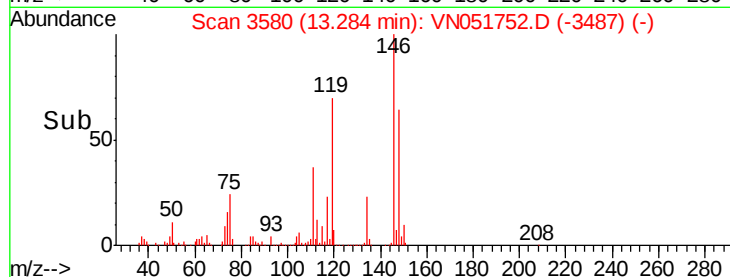
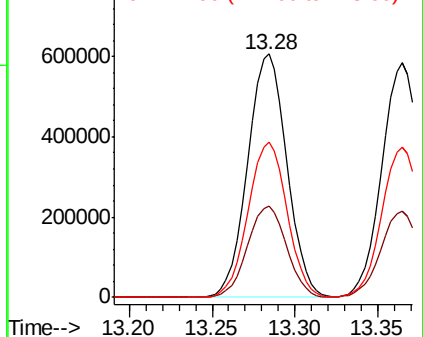
146 100

111 37.4 19.3 57.9

148 63.6 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: 50.383 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

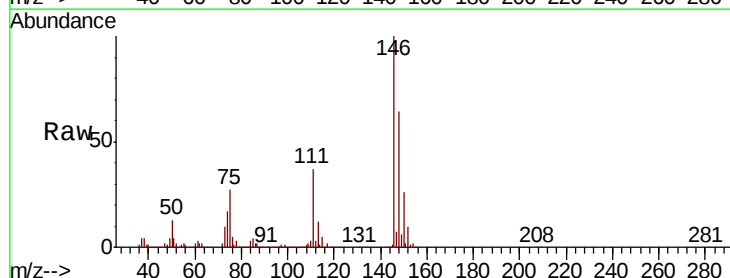
Tgt Ion:146 Resp: 961981

Ion Ratio Lower Upper

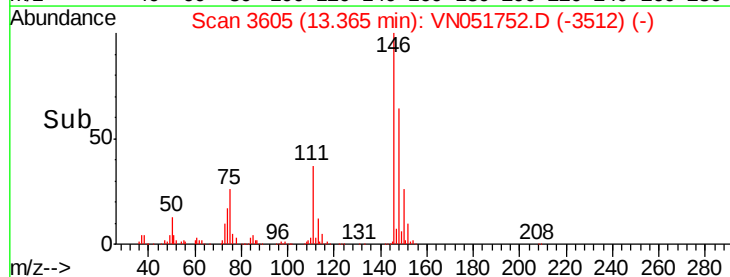
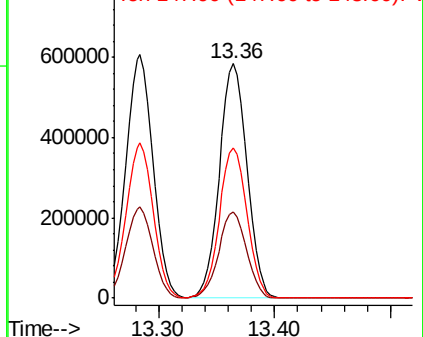
146 100

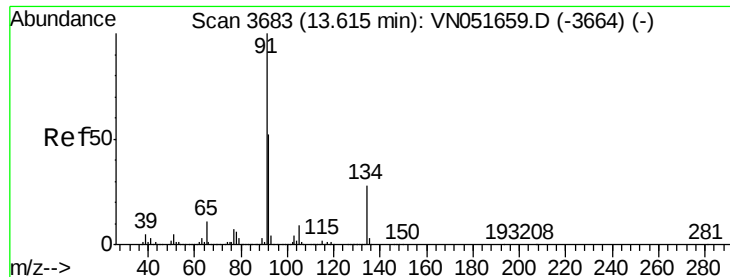
111 37.2 18.6 55.8

148 64.1 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

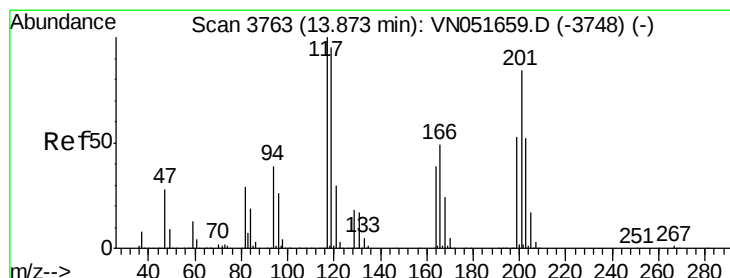
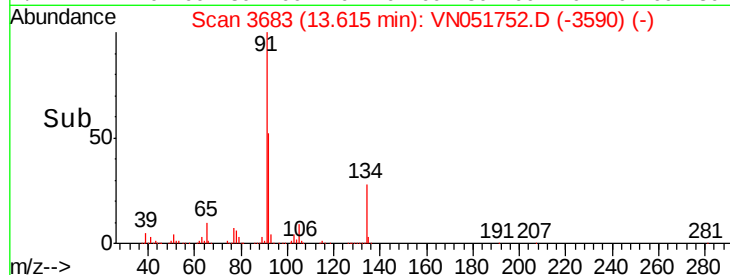
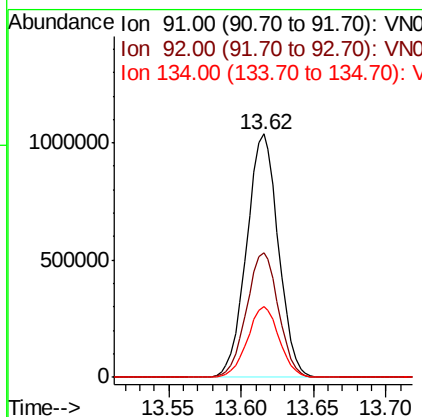
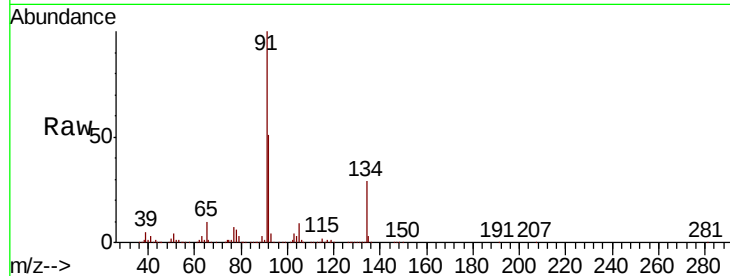




#89
n-Butylbenzene
Concen: 49.582 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

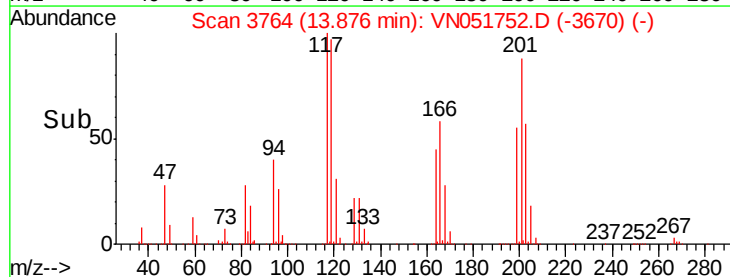
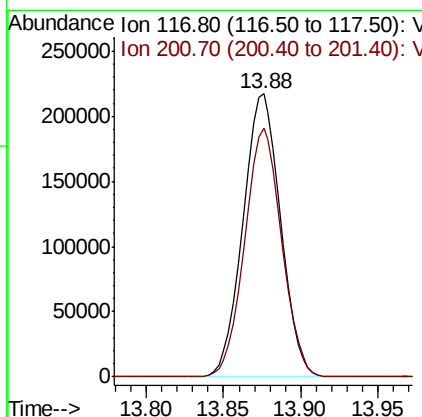
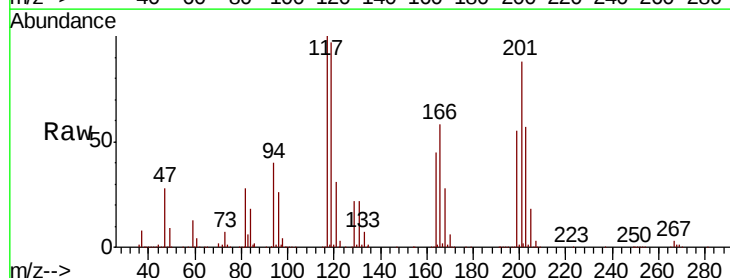
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

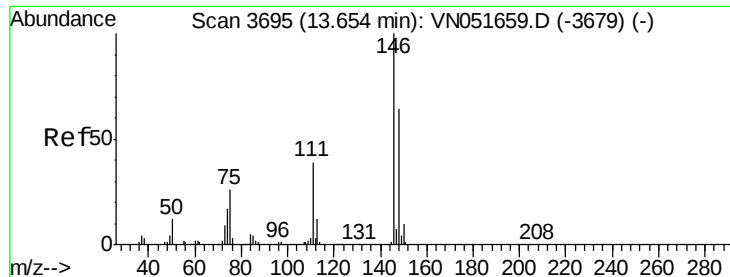
Tot Ion: 91 Resp: 1580516
Ion Ratio Lower Upper
91 100
92 51.8 26.0 78.0
134 29.1 14.2 42.6



#90
Hexachloroethane
Concen: 45.679 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion: 117 Resp: 367432
Ion Ratio Lower Upper
117 100
201 86.5 42.4 127.3





#91

1,2-Dichlorobenzene

Concen: 50.672 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

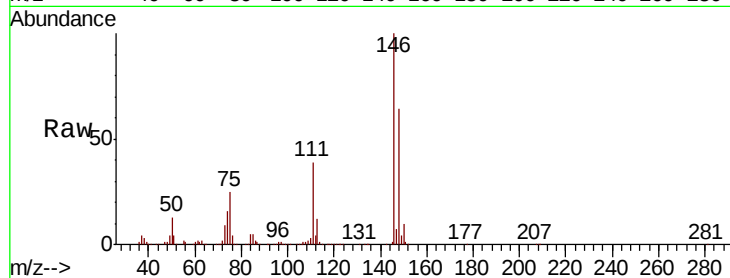
Tot Ion:146 Resp: 977151

Ion Ratio Lower Upper

146 100

111 38.7 19.7 59.0

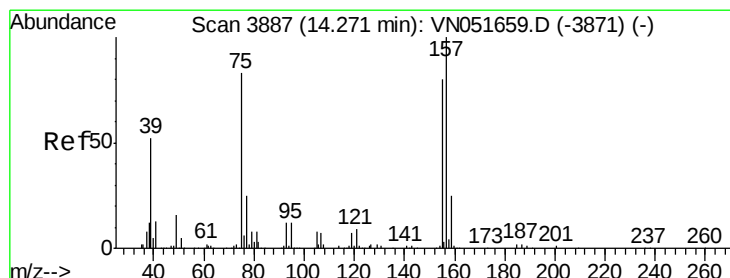
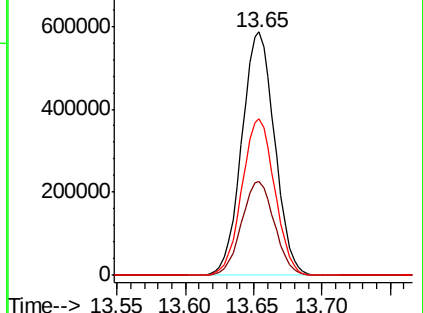
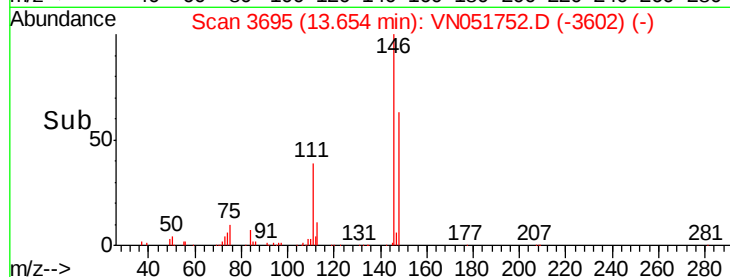
148 64.3 32.1 96.3



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: 49.093 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN051752.D

Acq: 9 Oct 2018 16:51

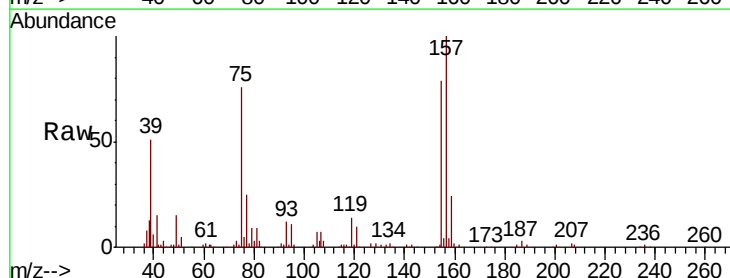
Tgt Ion: 75 Resp: 78517

Ion Ratio Lower Upper

75 100

155 102.8 47.6 142.9

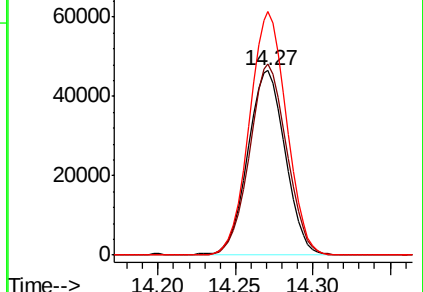
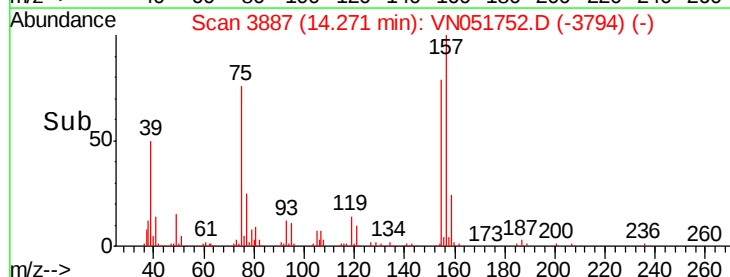
157 130.5 61.7 185.1

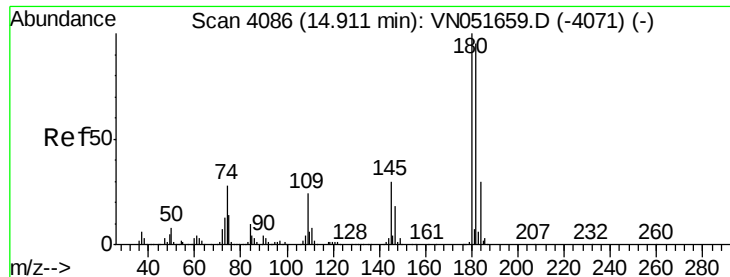


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

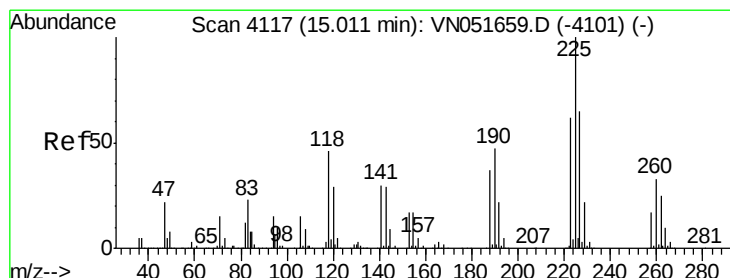
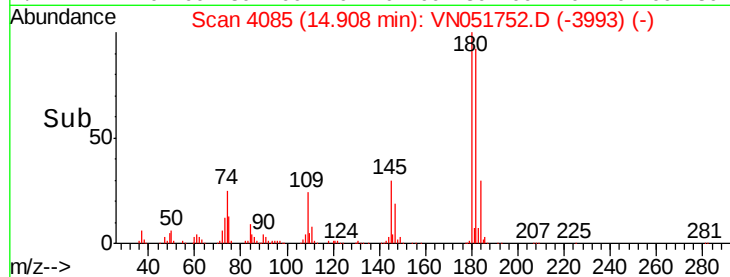
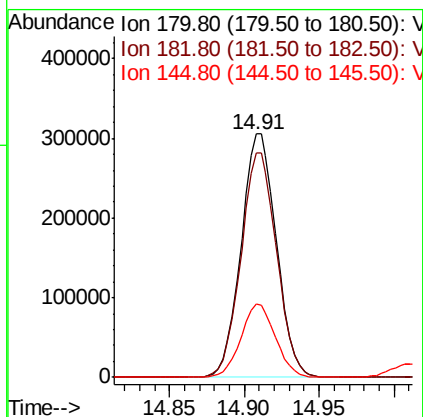
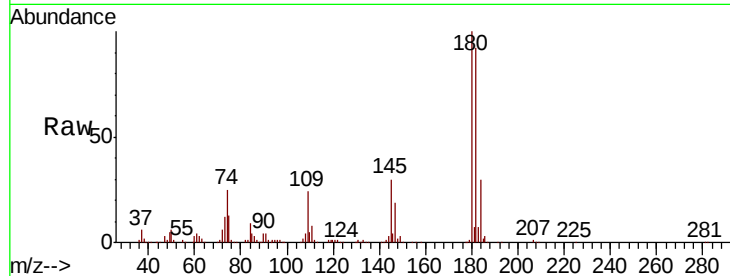




#93
 1,2,4-Trichlorobenzene
 Concen: 58.213 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

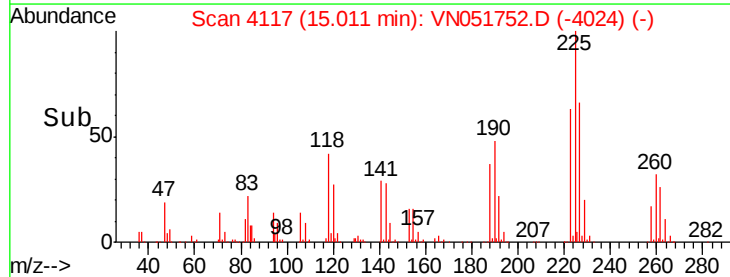
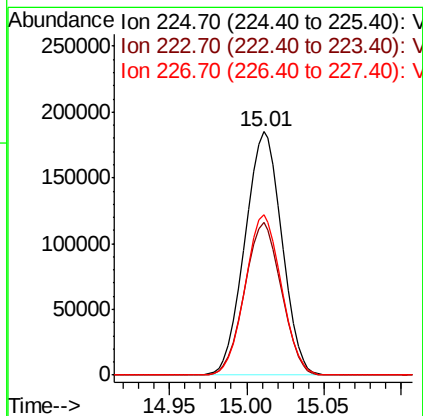
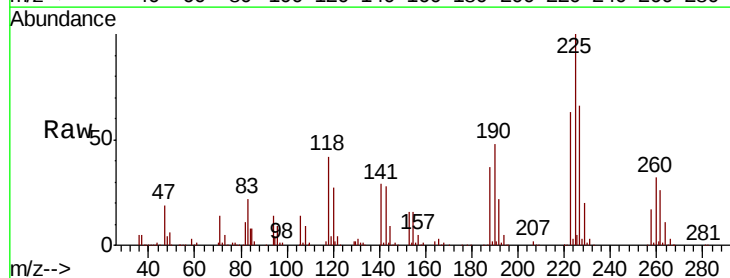
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

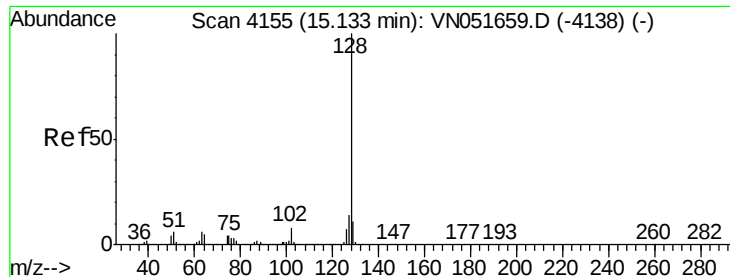
Tot Ion:180 Resp: 499516
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.7 143.1
 145 29.5 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 52.984 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051752.D
 Acq: 9 Oct 2018 16:51

Tgt Ion:225 Resp: 308474
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.9 95.5
 227 64.6 31.7 95.1

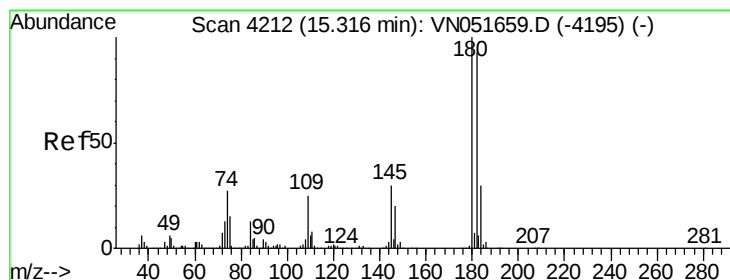
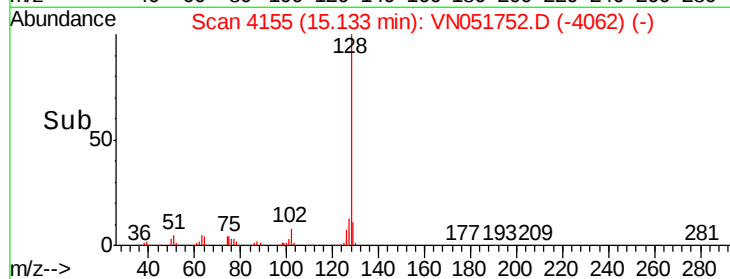
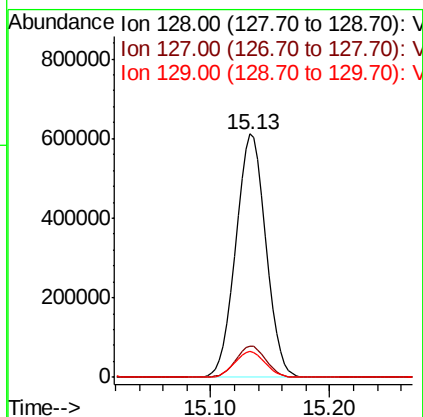
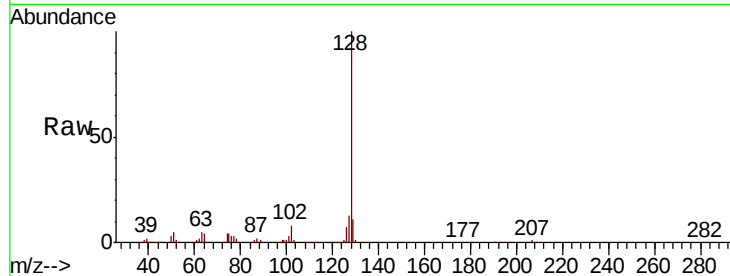




#95
Naphthalene
Concen: 57.668 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1068587
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.8 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 56.957 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN051752.D
Acq: 9 Oct 2018 16:51

Tgt Ion:180 Resp: 481342
Ion Ratio Lower Upper
180 100
182 96.9 47.3 141.8
145 30.7 15.6 46.8

