

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051089.D
 Acq On : 10 Sep 2018 20:16
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 11 04:32:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	671464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	955981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	883159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	449930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	385541	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
35) Dibromofluoromethane	7.59	113	375530	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.09	98	1419347	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.40	95	476226	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	304399	47.01	ug/l	99
3) Chloromethane	2.06	50	423813	50.69	ug/l	100
4) Vinyl Chloride	2.18	62	423739	47.67	ug/l	99
5) Bromomethane	2.56	94	249184	49.68	ug/l	99
6) Chloroethane	2.70	64	259608	47.32	ug/l	98
7) Trichlorofluoromethane	3.01	101	565516	48.02	ug/l	100
8) Diethyl Ether	3.41	74	215281	49.70	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	357540	47.09	ug/l	99
10) Methyl Iodide	3.95	142	342190	48.40	ug/l	99
11) Tert butyl alcohol	4.79	59	135437	237.30	ug/l	99
12) 1,1-Dichloroethene	3.73	96	343571	47.97	ug/l	99
13) Acrolein	3.61	56	169641	244.14	ug/l	99
14) Allyl chloride	4.32	41	524638	48.08	ug/l	99
15) Acrylonitrile	4.99	53	659294	260.69	ug/l	100
16) Acetone	3.82	43	438713	237.15	ug/l	100
17) Carbon Disulfide	4.05	76	1002366	47.49	ug/l	98
18) Methyl Acetate	4.33	43	289217	48.33	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	968508	51.15	ug/l	100
20) Methylene Chloride	4.55	84	393692	47.70	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	370011	47.63	ug/l	96
22) Diisopropyl ether	5.95	45	1133454	52.33	ug/l	98
23) Vinyl Acetate	5.90	43	3848981	262.57	ug/l	100
24) 1,1-Dichloroethane	5.85	63	674795	49.10	ug/l	100
25) 2-Butanone	6.84	43	712169	242.41	ug/l	100
26) 2,2-Dichloropropane	6.83	77	514177	45.71	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	417081	48.94	ug/l	99
28) Bromochloromethane	7.20	49	307060	50.20	ug/l	100
29) Tetrahydrofuran	7.21	42	483712	263.65	ug/l	100
30) Chloroform	7.37	83	678845	49.65	ug/l	100
31) Cyclohexane	7.65	56	599278	48.90	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	575525	49.40	ug/l	100
36) 1,1-Dichloropropene	7.79	75	519854	49.53	ug/l	99
37) Ethyl Acetate	6.93	43	329251	54.16	ug/l	100
38) Carbon Tetrachloride	7.77	117	503656	48.76	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	577343	49.86	ug/l	98
40) Benzene	8.04	78	1593081	50.37	ug/l	99
41) Methacrylonitrile	7.21	41	456156	145.44	ug/l #	13
42) 1,2-Dichloroethane	8.13	62	464674	50.41	ug/l	99
43) Isopropyl Acetate	8.17	43	557187	51.95	ug/l #	90
44) Trichloroethene	8.84	130	420173	48.57	ug/l	99
45) 1,2-Dichloropropane	9.12	63	414435	50.71	ug/l	99
46) Dibromomethane	9.21	93	246128	49.36	ug/l	99
47) Bromodichloromethane	9.40	83	514328	50.73	ug/l	99
48) Methyl methacrylate	9.20	41	283311	54.20	ug/l	99
49) 1,4-Dioxane	9.20	88	86483	1055.12	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1592691	268.52	ug/l	100
52) Toluene	10.16	92	987267	51.19	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	517425	50.99	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	606310	50.96	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	361915	51.66	ug/l	99
56) Ethyl methacrylate	10.43	69	462838	49.27	ug/l	99
57) 1,3-Dichloropropane	10.71	76	596951	51.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	956306	242.47	ug/l	100
59) 2-Hexanone	10.75	43	1039615	258.45	ug/l	100
60) Dibromochloromethane	10.90	129	405786	51.39	ug/l	99
61) 1,2-Dibromoethane	11.01	107	354257	51.73	ug/l	100
64) Tetrachloroethene	10.63	164	380300	47.19	ug/l	98
65) Chlorobenzene	11.43	112	1085819	48.77	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	395716	49.37	ug/l	100
67) Ethyl Benzene	11.51	91	1833528	50.86	ug/l	100
68) m/p-Xylenes	11.62	106	1436415	103.70	ug/l	99
69) o-Xylene	11.95	106	696818	51.95	ug/l	100
70) Styrene	11.96	104	1124172	54.03	ug/l	99
71) Bromoform	12.13	173	290302	51.44	ug/l #	100
73) Isopropylbenzene	12.25	105	1816116	48.13	ug/l	99
74) N-amyl acetate	12.07	43	465011	48.97	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	455040	52.65	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	535427	77.58	ug/l #	100
77) Bromobenzene	12.53	156	472871	46.66	ug/l	99
78) n-propylbenzene	12.59	91	2037969	49.14	ug/l	100
79) 2-Chlorotoluene	12.67	91	1229868	47.44	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1505097	49.34	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	116702	49.26	ug/l	99
82) 4-Chlorotoluene	12.77	91	1228282	47.73	ug/l	100
83) tert-Butylbenzene	12.99	119	1286865	47.78	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1525376	50.85	ug/l	100
85) sec-Butylbenzene	13.17	105	1690778	48.95	ug/l	100
86) p-Isopropyltoluene	13.29	119	1488109	50.81	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	806181	46.89	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	781370	49.50	ug/l	100
89) n-Butylbenzene	13.62	91	1143427	50.17	ug/l	100
90) Hexachloroethane	13.87	117	261693	49.07	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	786356	46.93	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	63995	49.66	ug/l	98

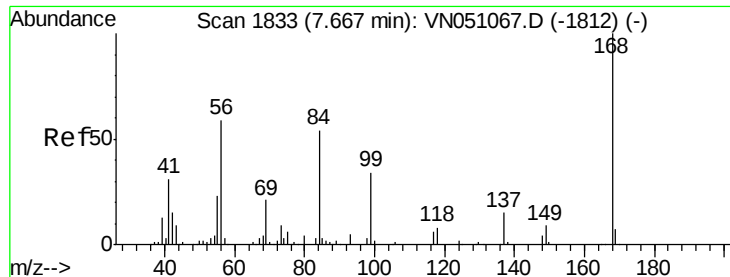
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	350009	43.77	ug/l	99
94) Hexachlorobutadiene	15.01	225	245674	50.33	ug/l	99
95) Naphthalene	15.13	128	698326	42.21	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	349221	45.43	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

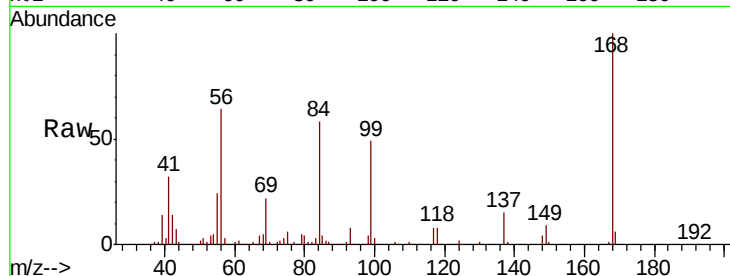
VSTDCCC050

Tot Ion:168 Resp: 671464

Ion Ratio Lower Upper

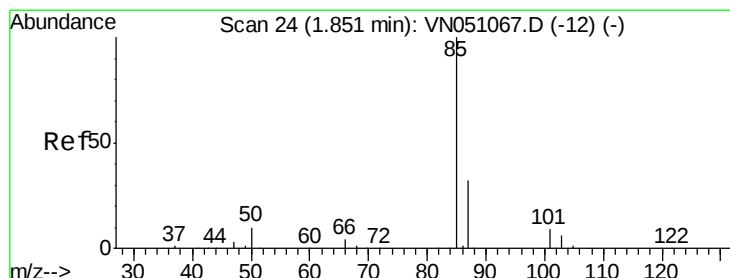
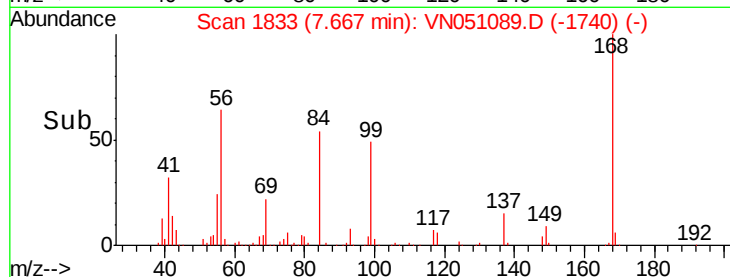
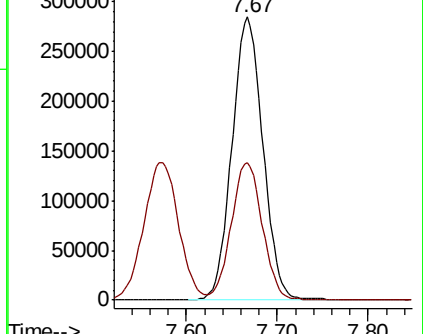
168 100

99 48.5 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.01 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051089.D

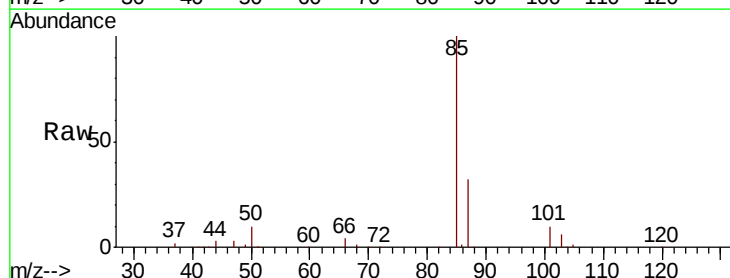
Acq: 10 Sep 2018 20:16

Tgt Ion: 85 Resp: 304399

Ion Ratio Lower Upper

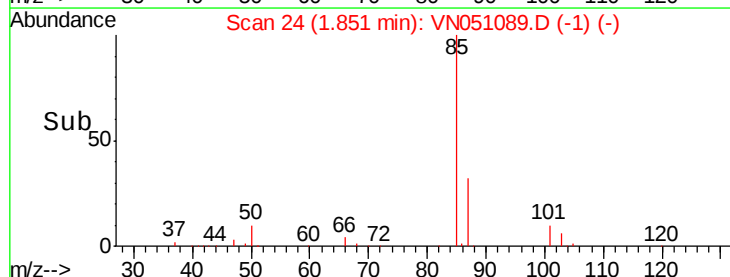
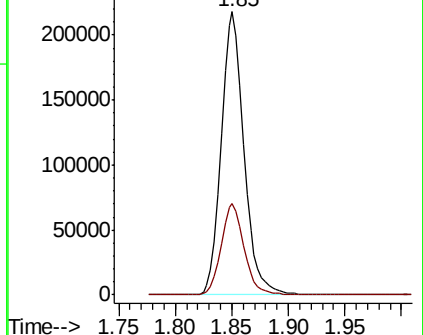
85 100

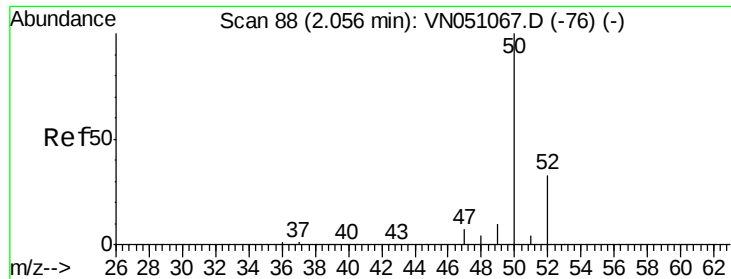
87 32.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.69 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

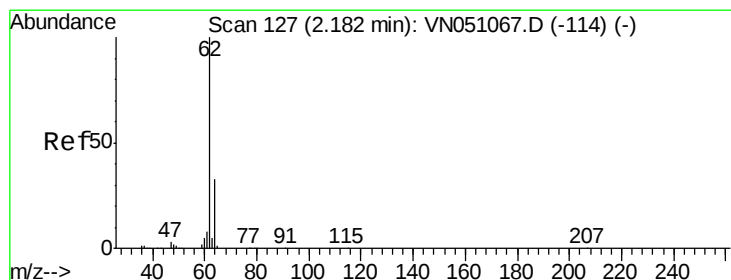
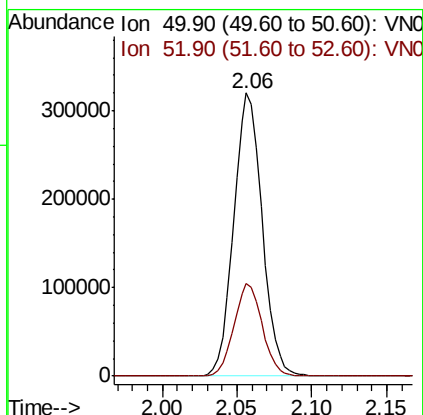
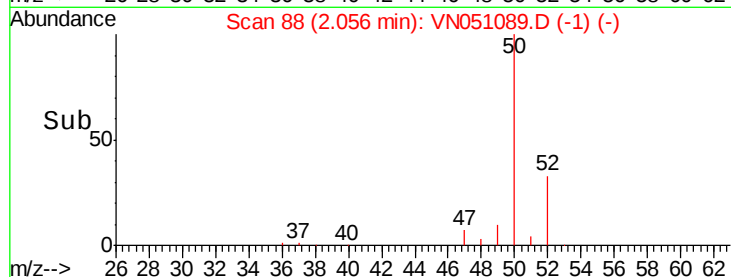
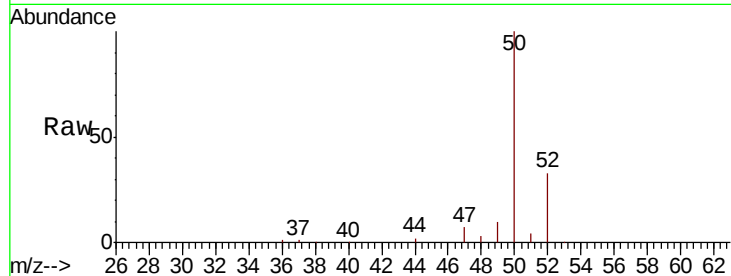
VSTDCCC050

Tot Ion: 50 Resp: 423813

Ion Ratio Lower Upper

50 100

52 32.6 26.0 39.0



#4

Vinyl Chloride

Concen: 47.67 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051089.D

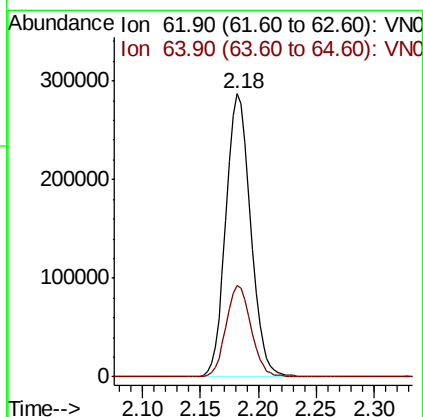
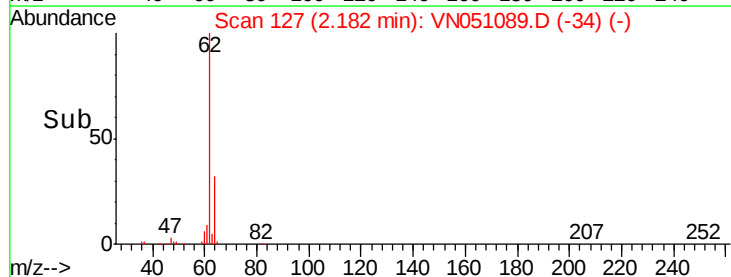
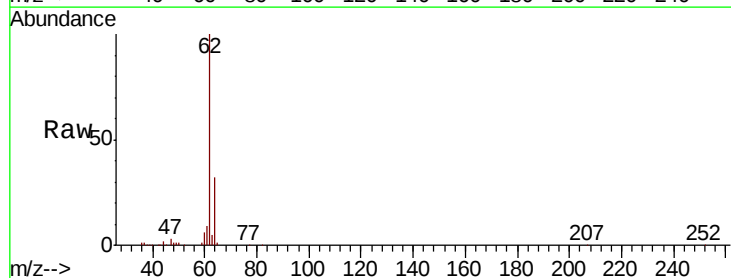
Acq: 10 Sep 2018 20:16

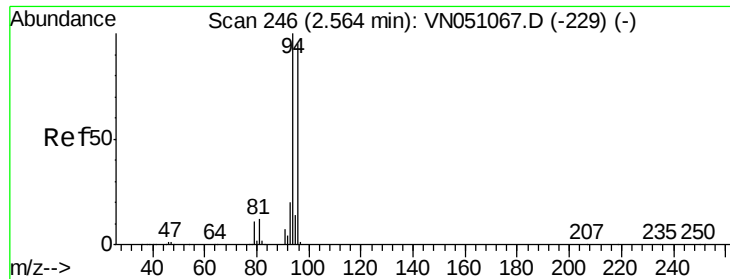
Tgt Ion: 62 Resp: 423739

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.4





#5

Bromomethane

Concen: 49.68 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

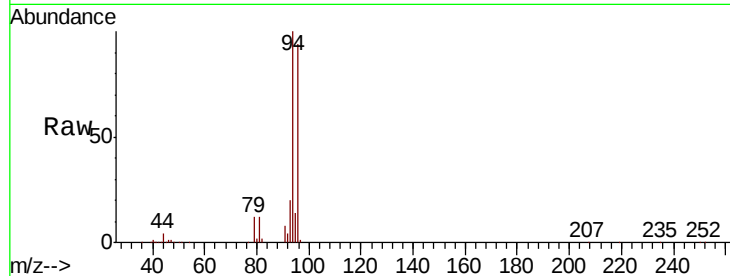
VSTDCCC050

Tot Ion: 94 Resp: 249184

Ion Ratio Lower Upper

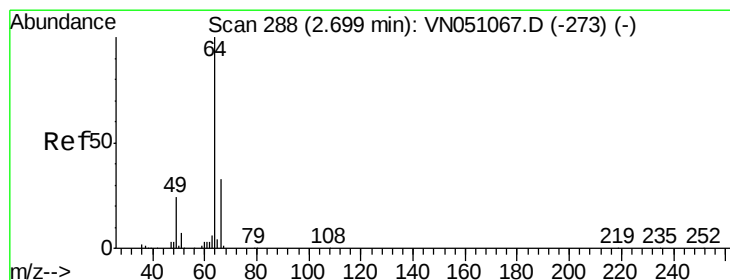
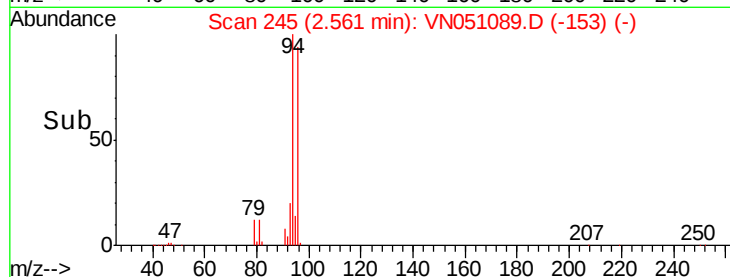
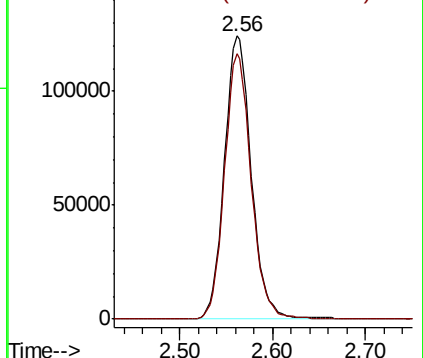
94 100

96 93.7 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.32 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051089.D

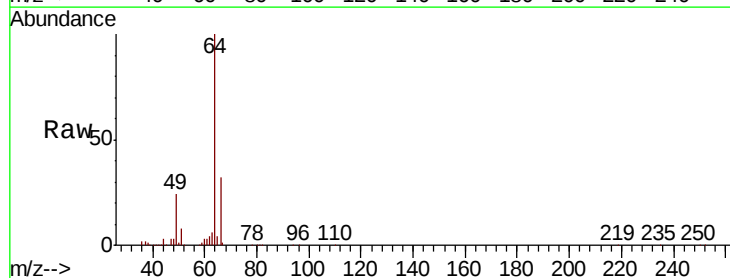
Acq: 10 Sep 2018 20:16

Tgt Ion: 64 Resp: 259608

Ion Ratio Lower Upper

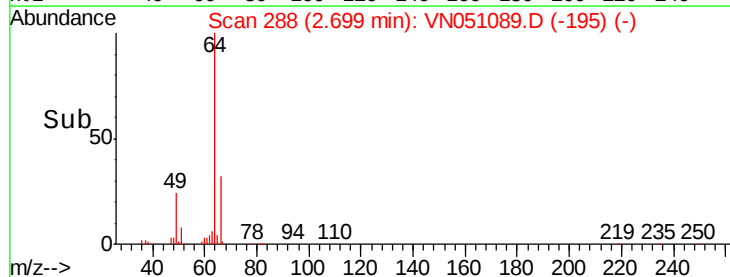
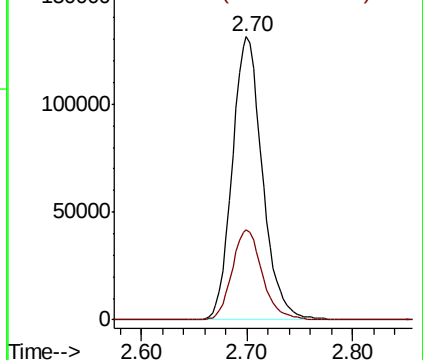
64 100

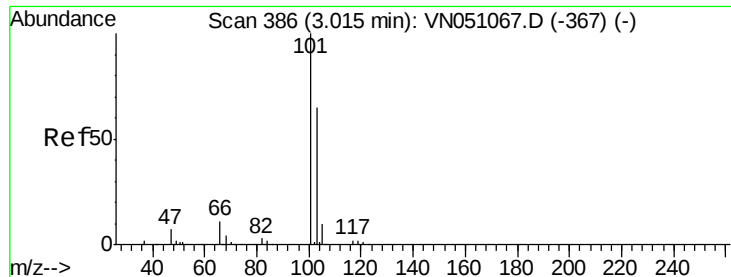
66 31.8 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



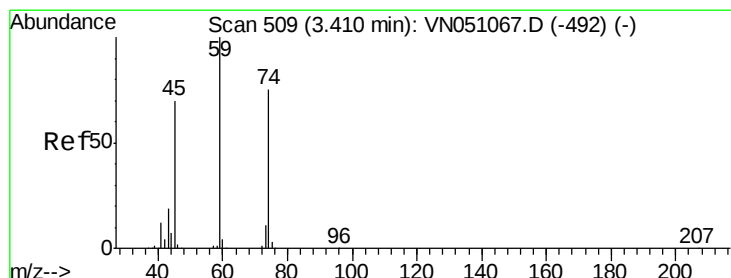
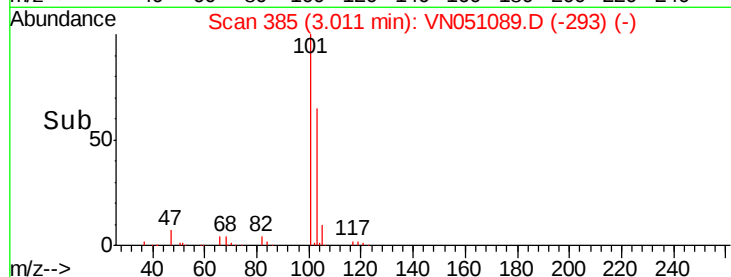
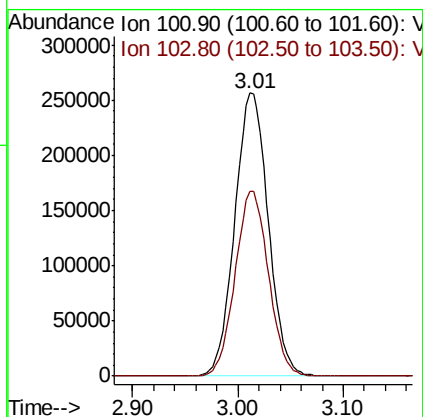
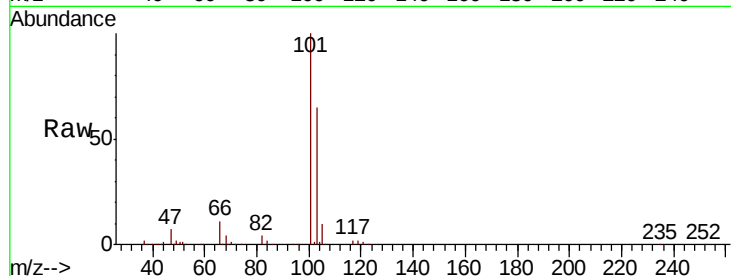


#7

Trichlorofluoromethane
 Concen: 48.02 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Instrument :
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 VSTDCCC050

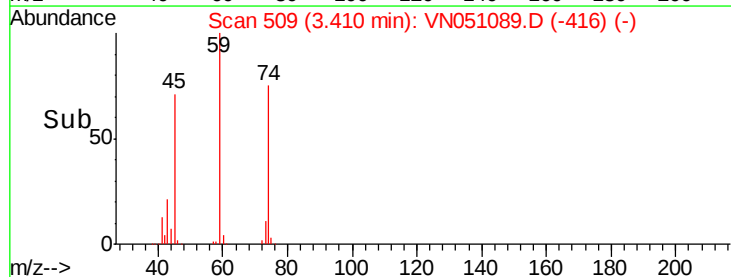
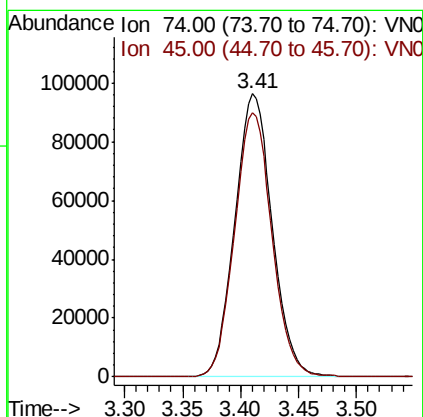
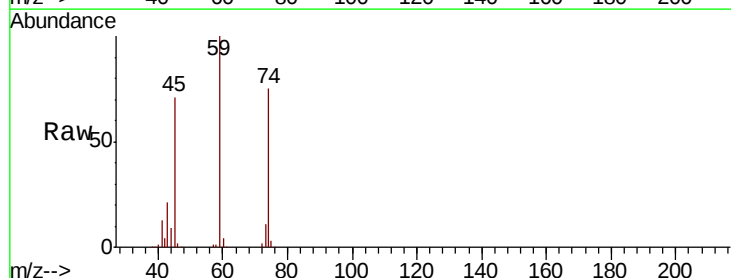
Tot Ion:101 Resp: 565516
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.4 78.6

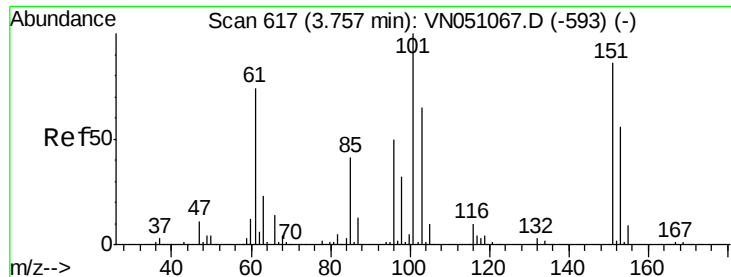


#8

Diethyl Ether
 Concen: 49.70 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion: 74 Resp: 215281
 Ion Ratio Lower Upper
 74 100
 45 93.5 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.09 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

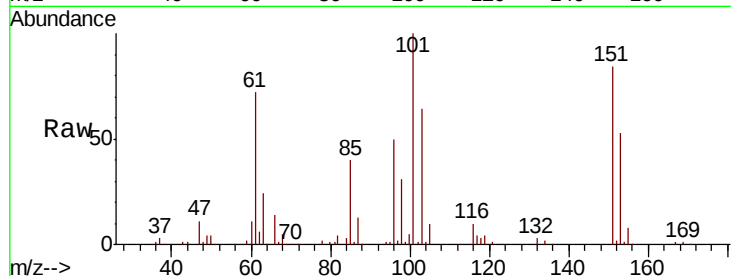
Tot Ion:101 Resp: 357540

Ion Ratio Lower Upper

101 100

85 41.5 33.3 49.9

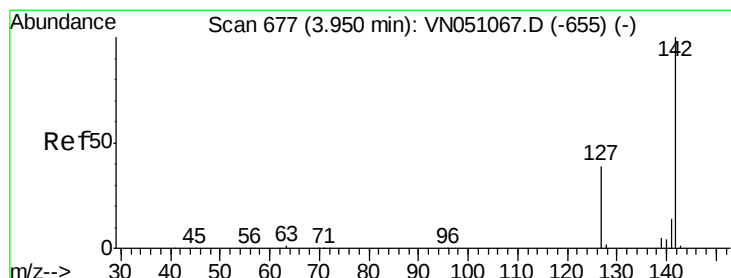
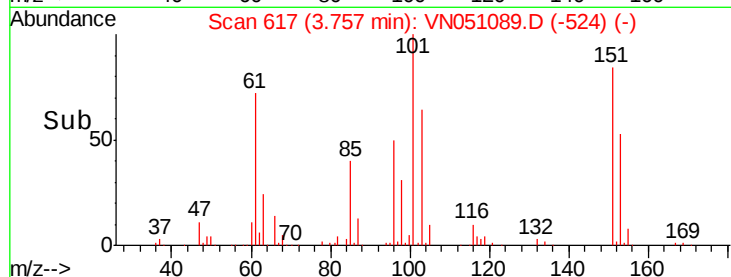
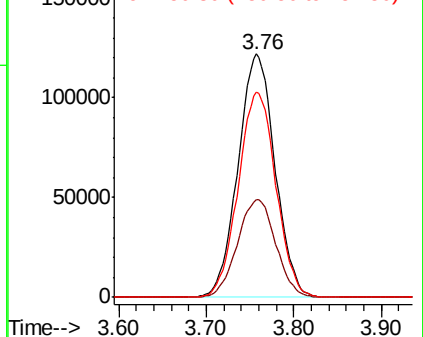
151 85.9 68.2 102.2



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: 48.40 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

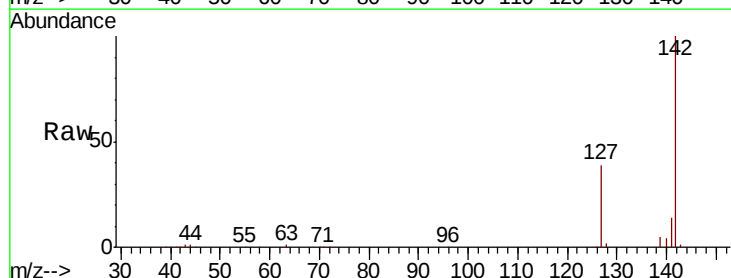
Tgt Ion:142 Resp: 342190

Ion Ratio Lower Upper

142 100

127 39.2 31.0 46.4

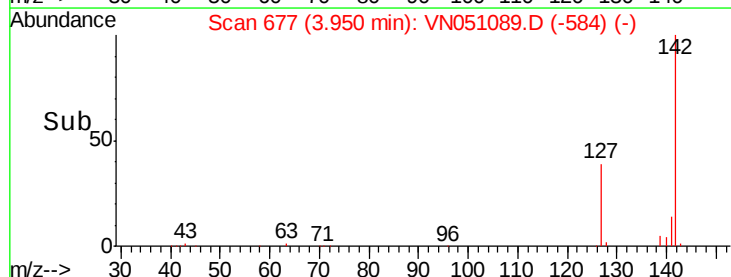
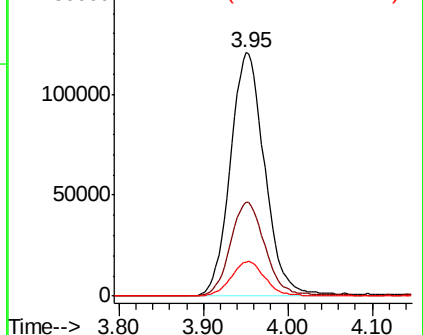
141 14.0 11.3 16.9

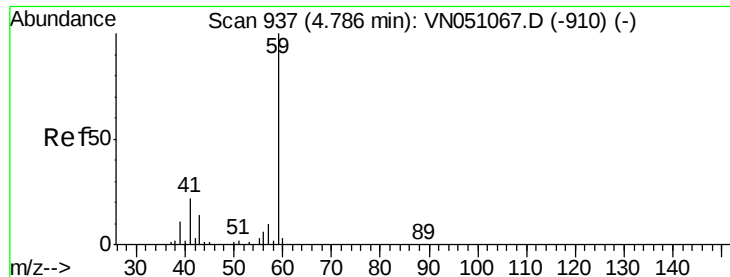


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

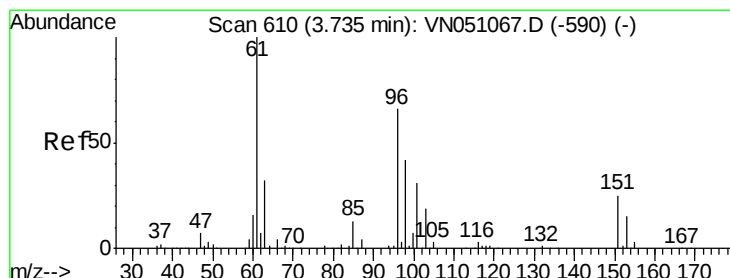
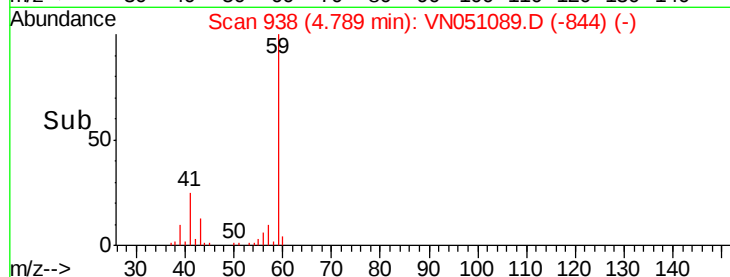
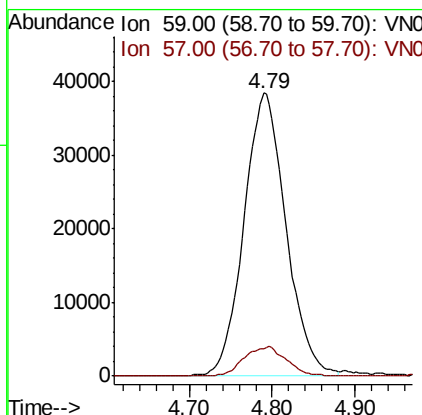
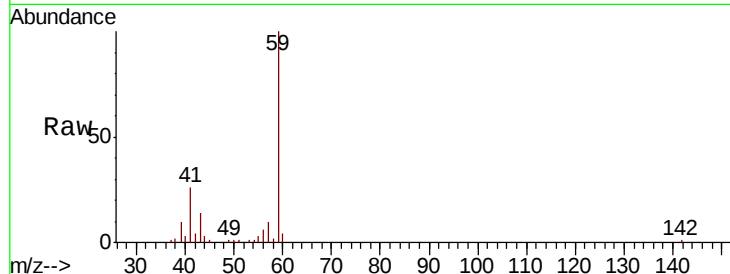




#11
Tert butyl alcohol
Concen: 237.30 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

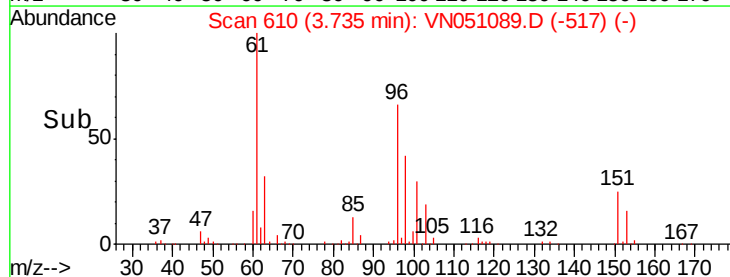
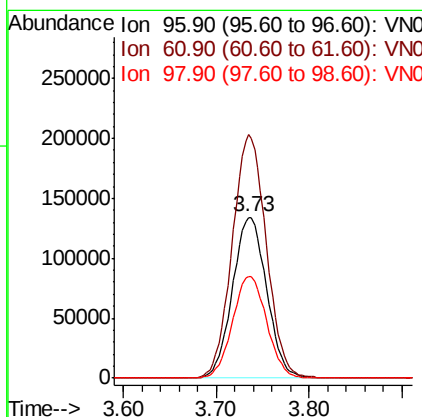
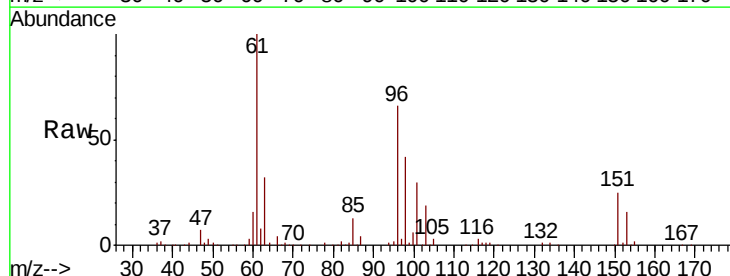
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

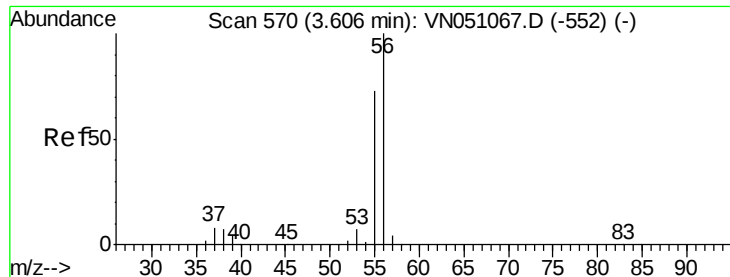
Tot Ion: 59 Resp: 135437
Ion Ratio Lower Upper
59 100
57 10.5 8.1 12.1



#12
1,1-Dichloroethene
Concen: 47.97 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion: 96 Resp: 343571
Ion Ratio Lower Upper
96 100
61 151.7 120.3 180.5
98 63.6 50.8 76.2





#13

Acrolein

Concen: 244.14 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

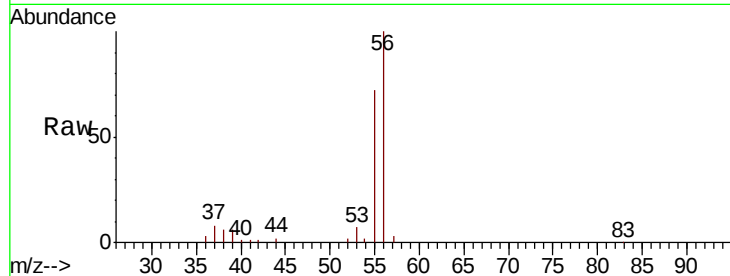
VSTDCCC050

Tot Ion: 56 Resp: 169641

Ion Ratio Lower Upper

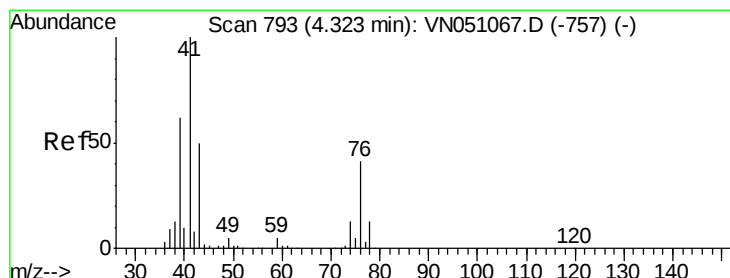
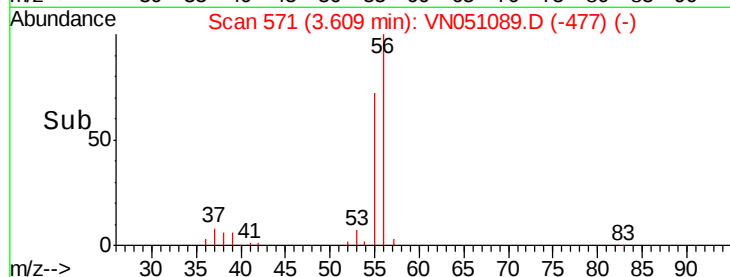
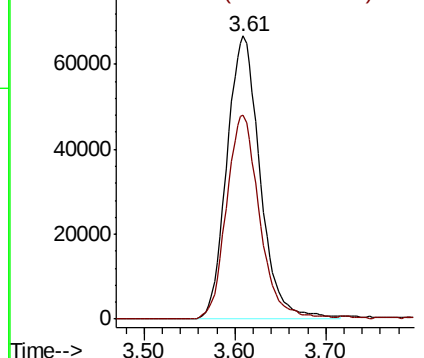
56 100

55 71.6 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.08 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

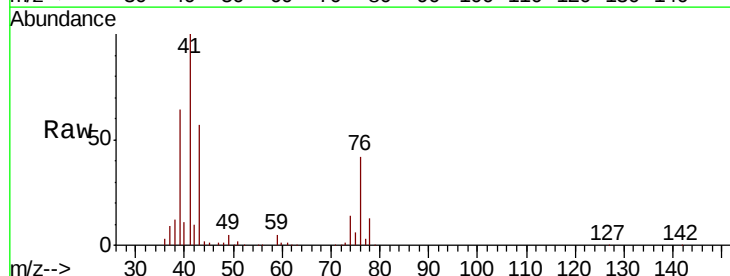
Tgt Ion: 41 Resp: 524638

Ion Ratio Lower Upper

41 100

39 61.8 48.8 73.2

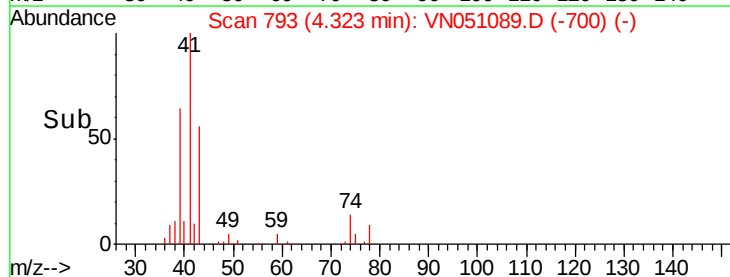
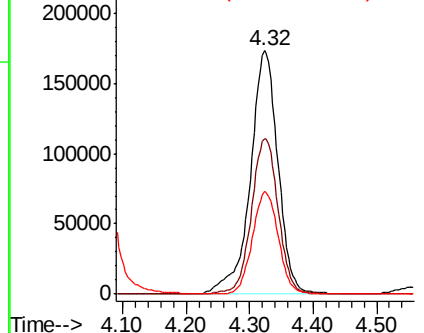
76 38.8 30.6 45.8

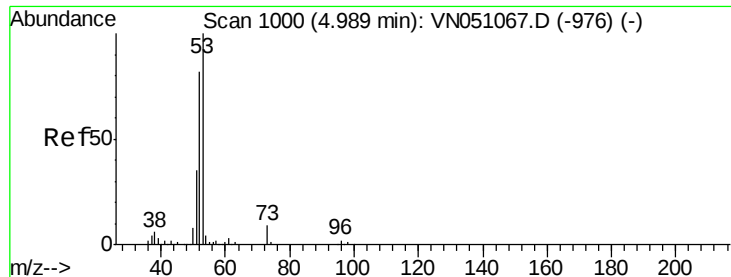


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 260.69 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

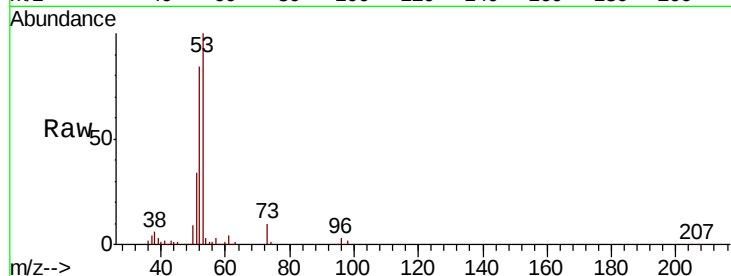
Tot Ion: 53 Resp: 659294

Ion Ratio Lower Upper

53 100

52 81.7 65.3 97.9

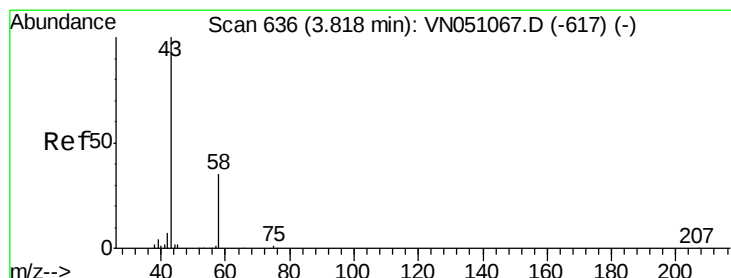
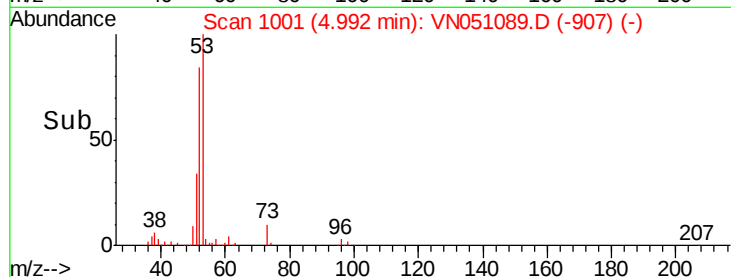
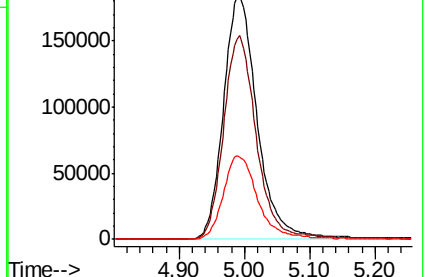
51 35.3 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VN051067.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN051067.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN051067.D (-976) (-)



#16

Acetone

Concen: 237.15 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051089.D

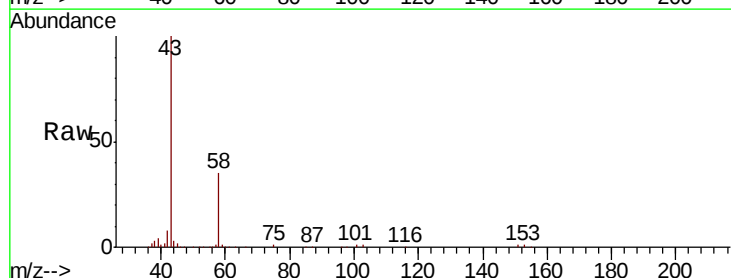
Acq: 10 Sep 2018 20:16

Tgt Ion: 43 Resp: 438713

Ion Ratio Lower Upper

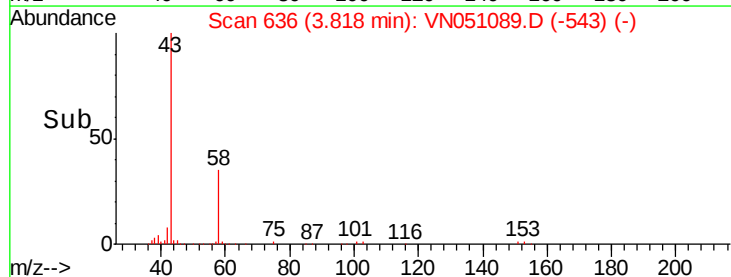
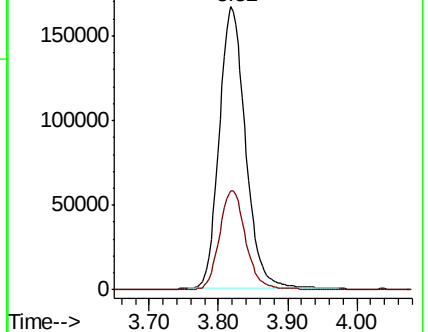
43 100

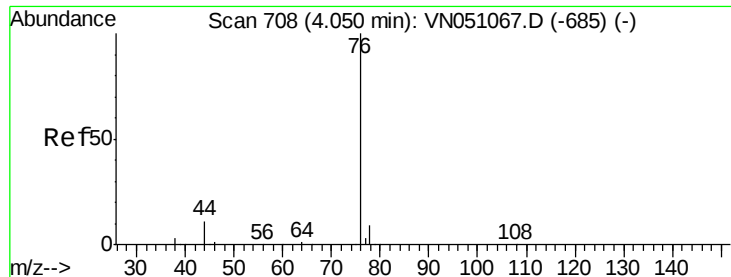
58 34.9 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN051067.D (-617) (-)

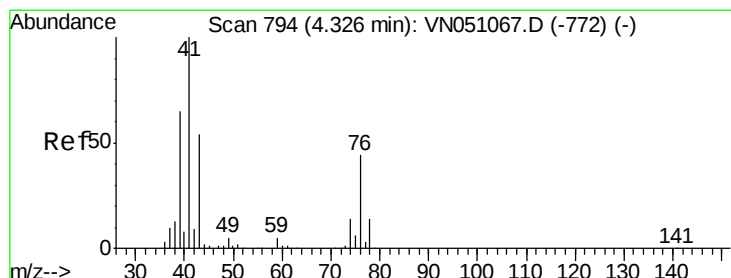
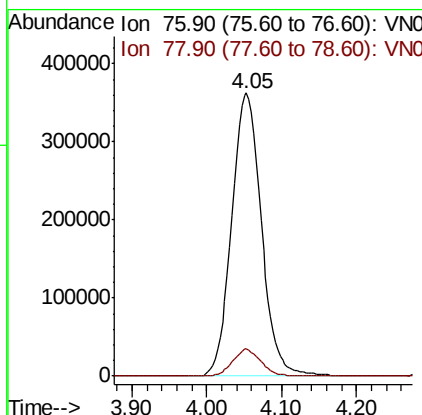
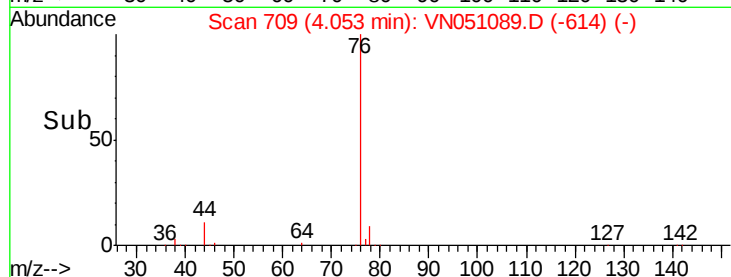
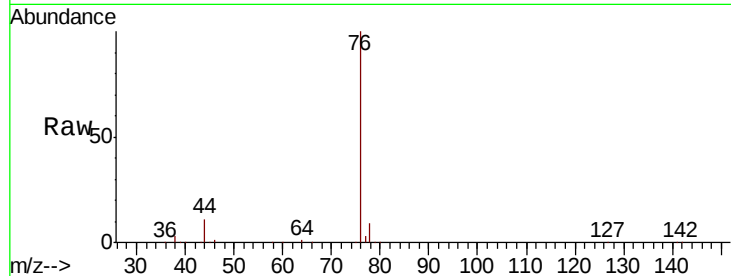




#17
Carbon Disulfide
Concen: 47.49 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

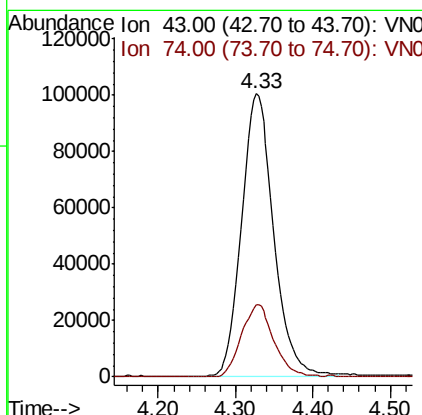
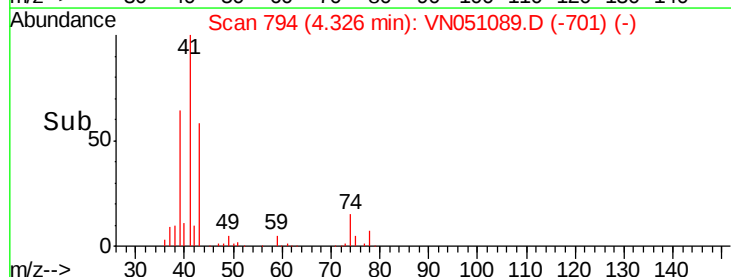
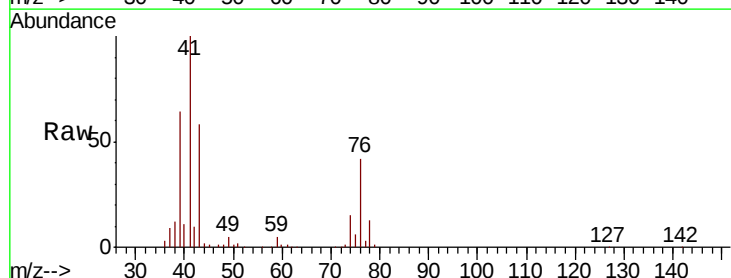
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

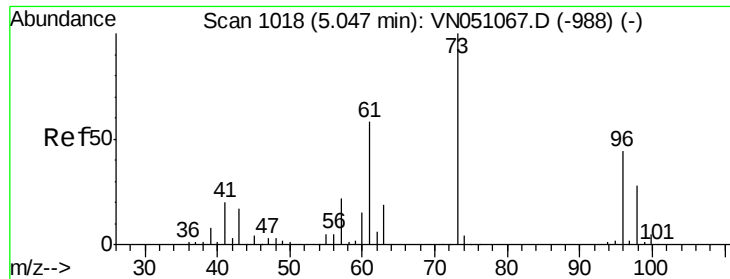
Tot Ion: 76 Resp: 1002366
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6



#18
Methyl Acetate
Concen: 48.33 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion: 43 Resp: 289217
Ion Ratio Lower Upper
43 100
74 25.8 20.7 31.1

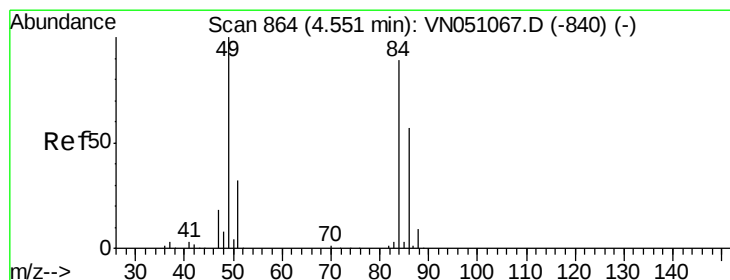
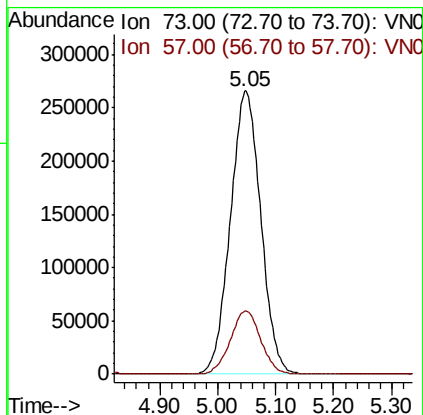
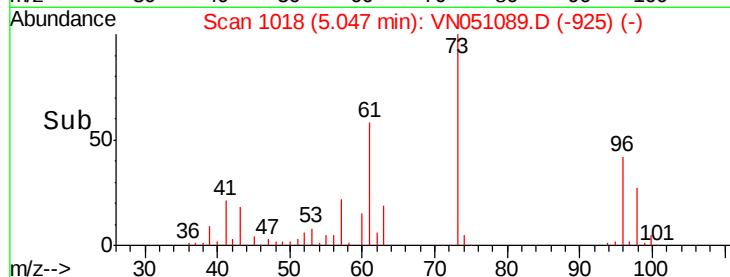
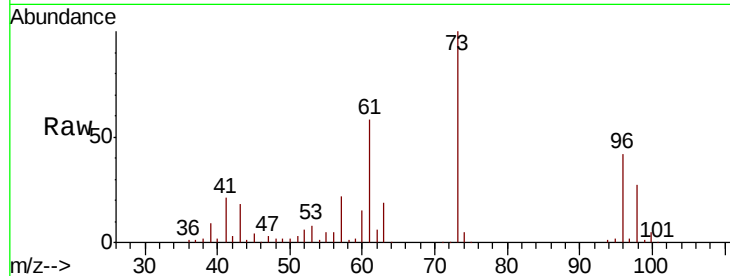




#19
Methyl tert-butyl Ether
Concen: 51.15 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

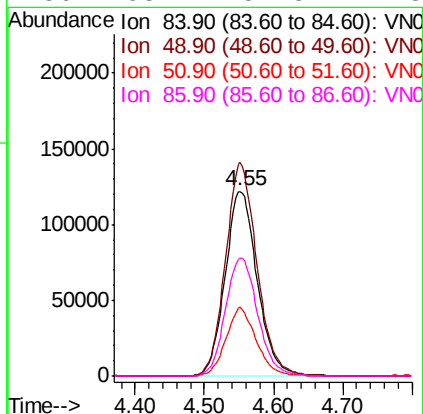
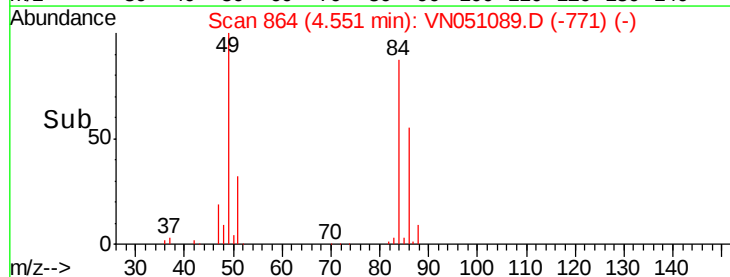
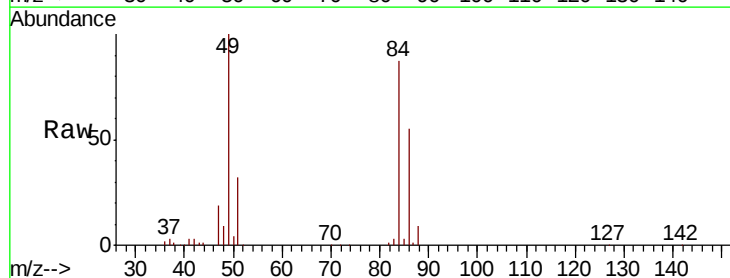
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

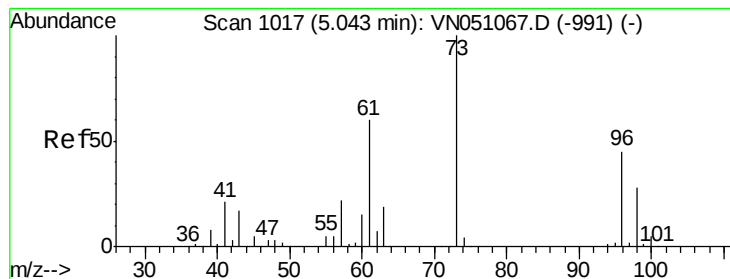
Tot Ion: 73 Resp: 968508
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9



#20
Methylene Chloride
Concen: 47.70 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion: 84 Resp: 393692
Ion Ratio Lower Upper
84 100
49 115.6 90.2 135.2
51 37.1 28.4 42.6
86 63.7 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 47.63 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

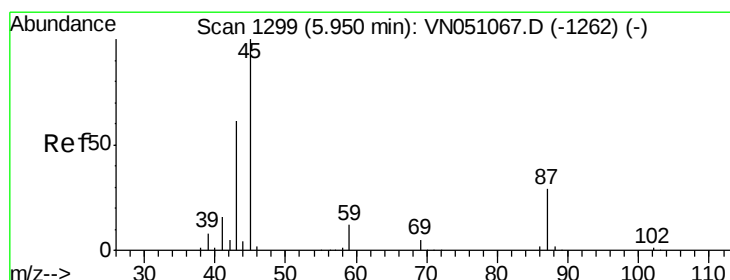
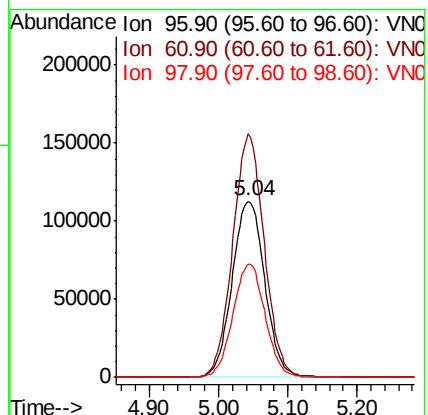
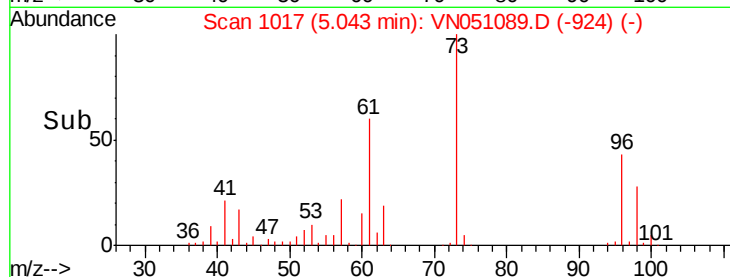
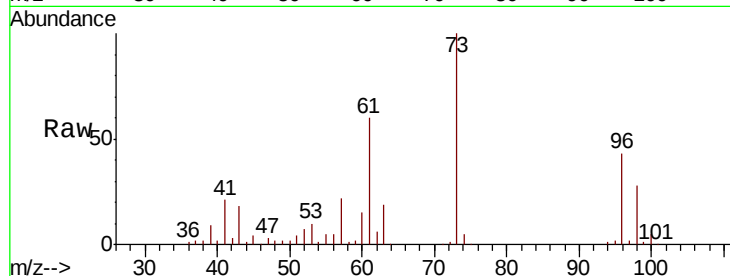
Tot Ion: 96 Resp: 370011

Ion Ratio Lower Upper

96 100

61 138.3 106.5 159.7

98 64.6 50.4 75.6



#22

Diisopropyl ether

Concen: 52.33 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Tgt Ion: 45 Resp: 1133454

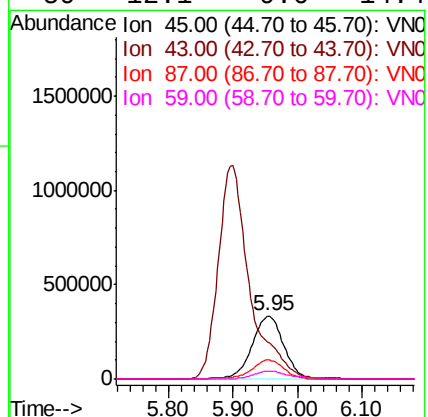
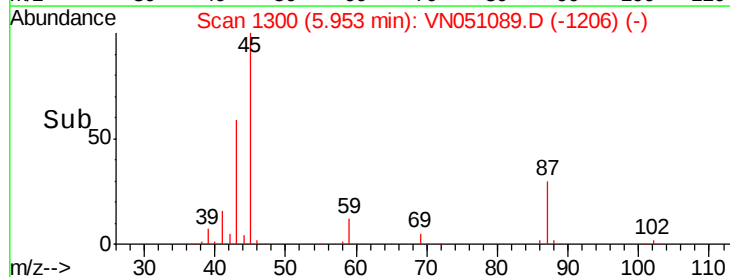
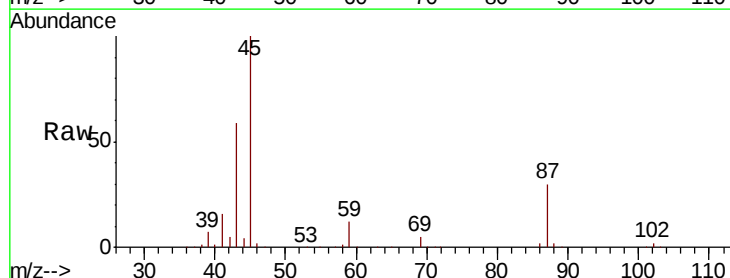
Ion Ratio Lower Upper

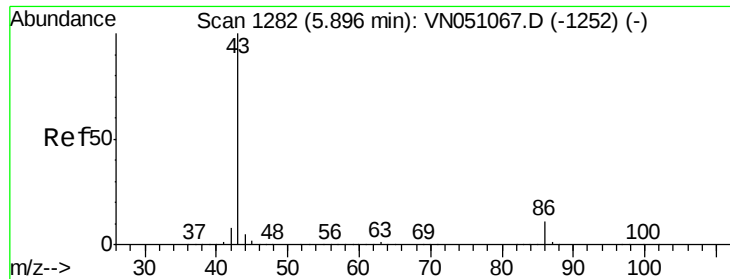
45 100

43 58.0 48.8 73.2

87 29.9 23.8 35.8

59 12.1 9.6 14.4

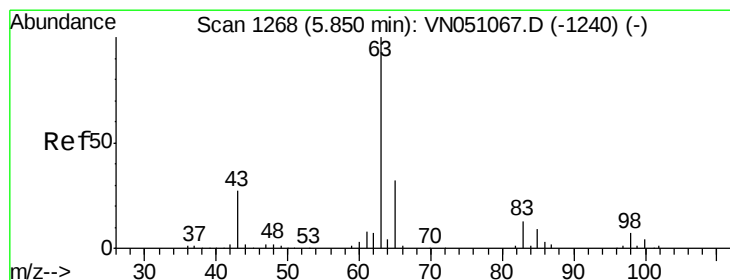
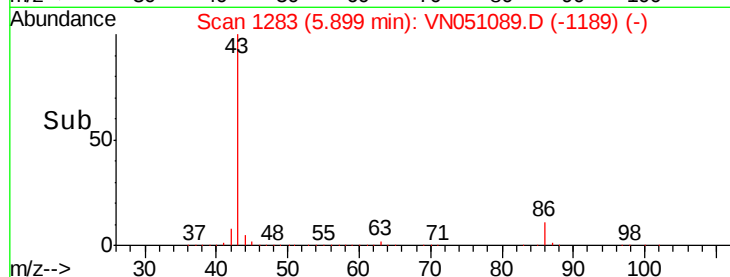
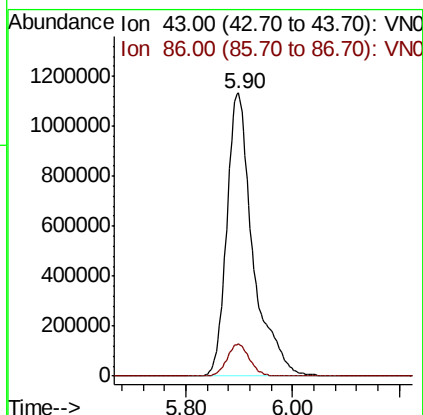
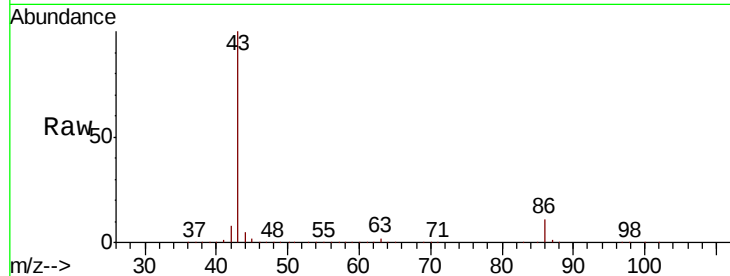




#23
 Vinyl Acetate
 Concen: 262.57 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

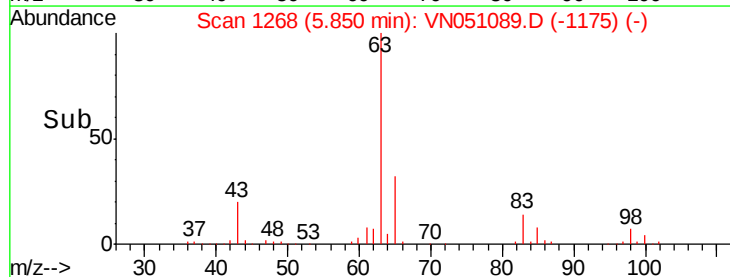
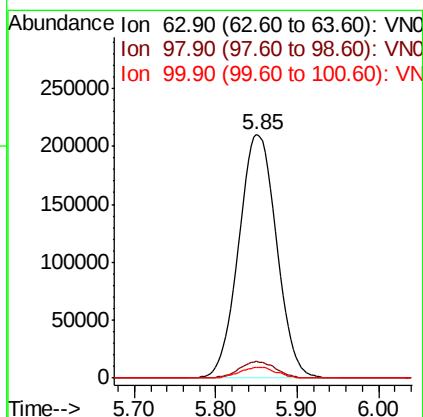
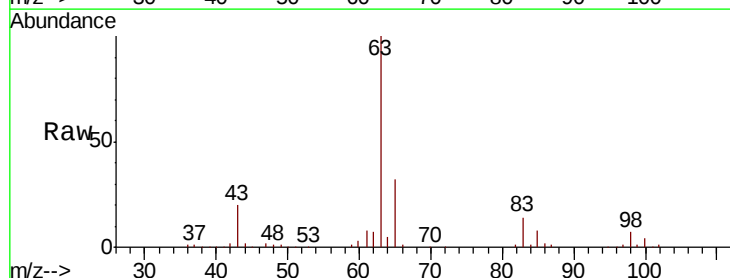
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

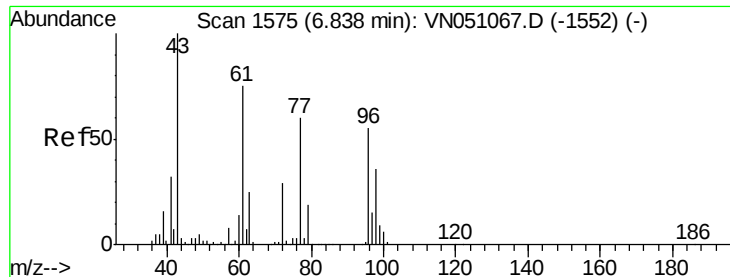
Tot Ion: 43 Resp: 3848981
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 49.10 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion: 63 Resp: 674795
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.1
 100 4.3 2.1 6.3





#25

2-Butanone

Concen: 242.41 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampled :

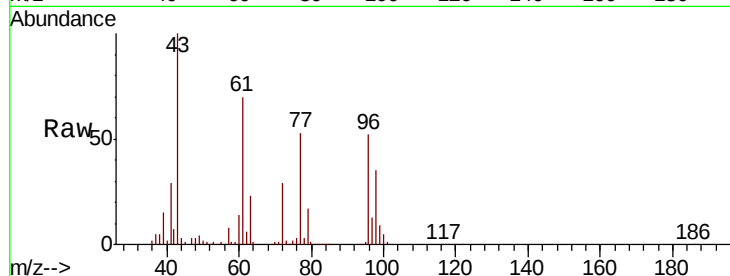
VSTDCCC050

Tot Ion: 43 Resp: 712169

Ion Ratio Lower Upper

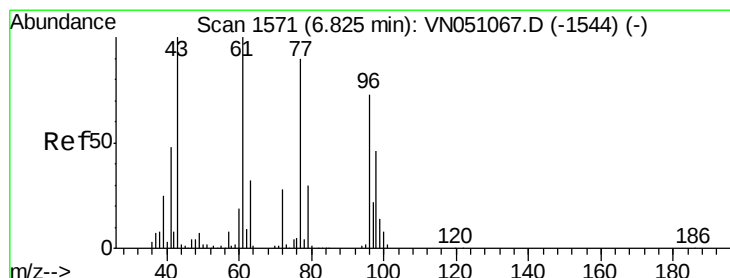
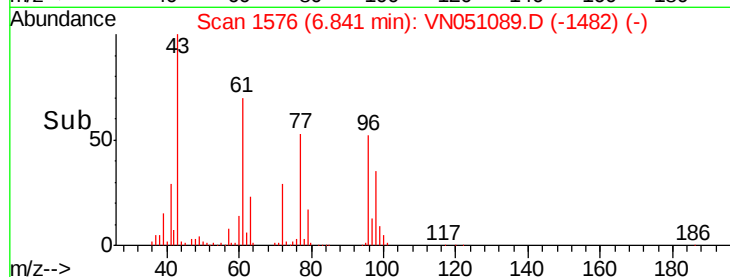
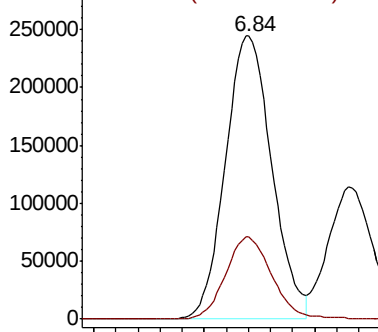
43 100

72 28.9 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 45.71 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051089.D

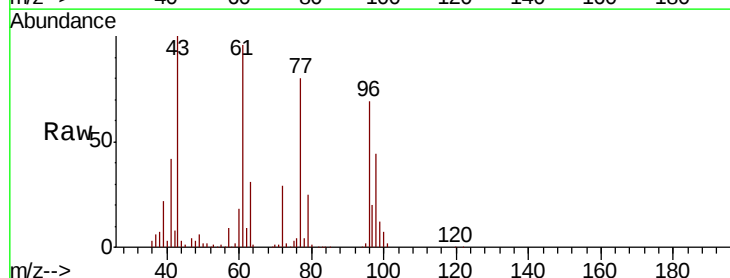
Acq: 10 Sep 2018 20:16

Tgt Ion: 77 Resp: 514177

Ion Ratio Lower Upper

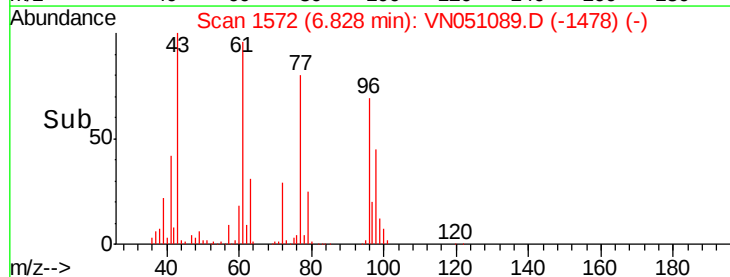
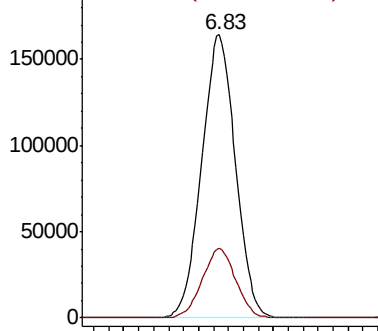
77 100

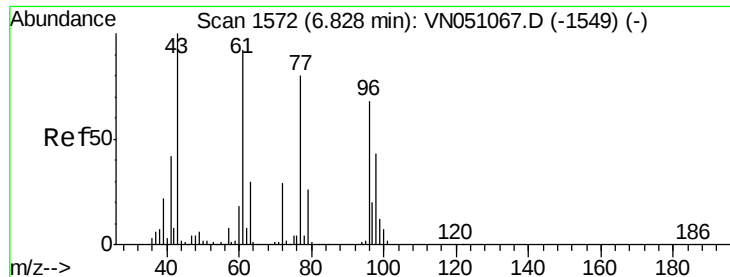
97 24.4 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 48.94 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

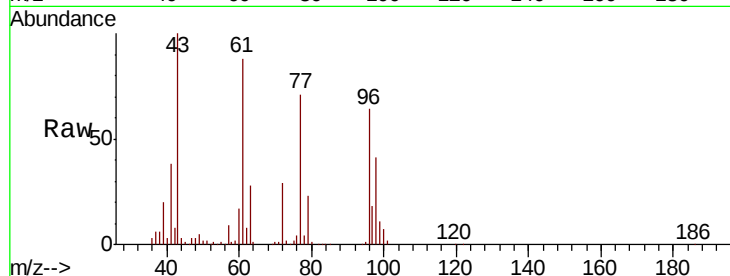
Tot Ion: 96 Resp: 417081

Ion Ratio Lower Upper

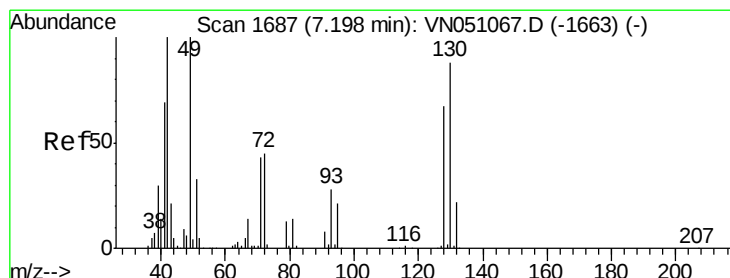
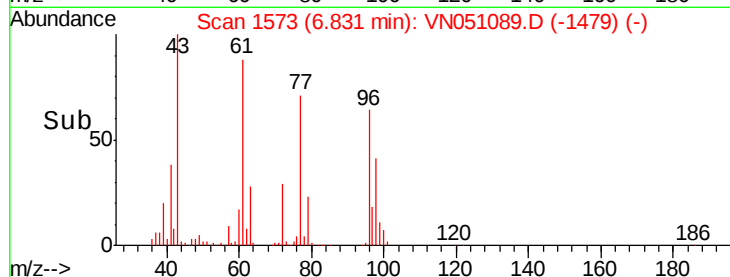
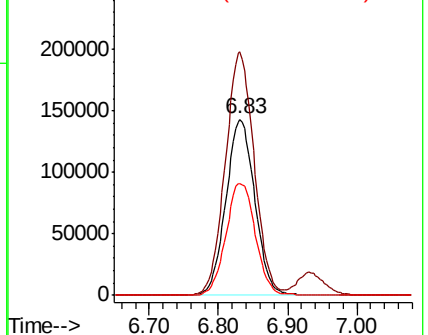
96 100

61 137.8 0.0 278.2

98 64.8 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.20 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

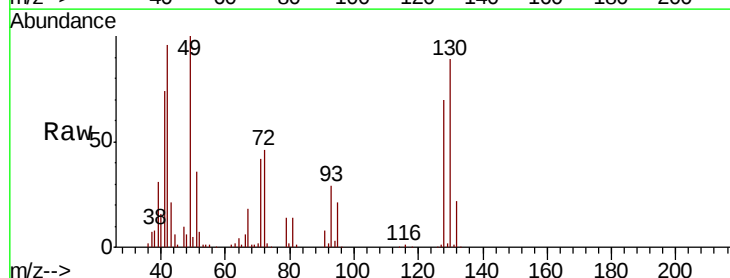
Tgt Ion: 49 Resp: 307060

Ion Ratio Lower Upper

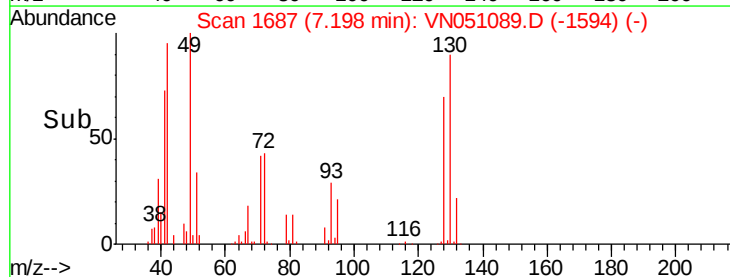
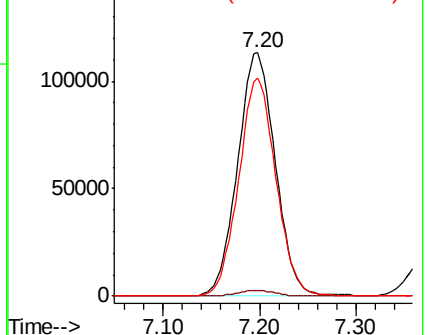
49 100

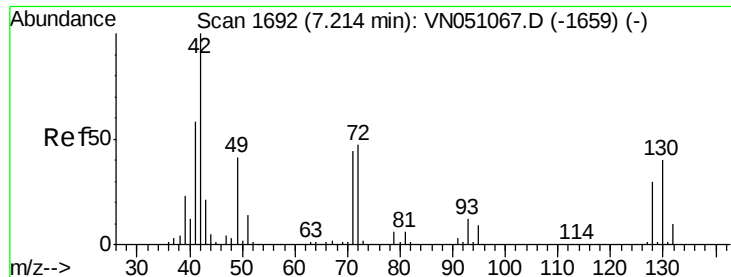
129 2.3 0.0 4.4

130 88.4 70.7 106.1



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 263.65 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

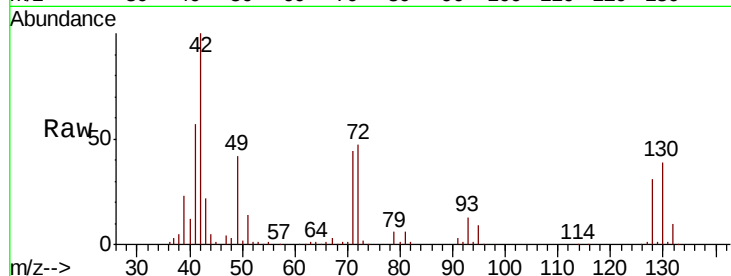
Tot Ion: 42 Resp: 483712

Ion Ratio Lower Upper

42 100

72 46.3 37.4 56.0

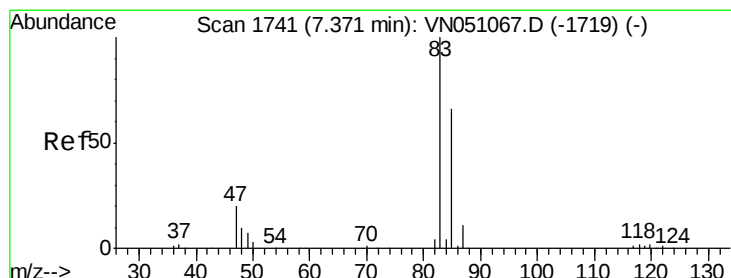
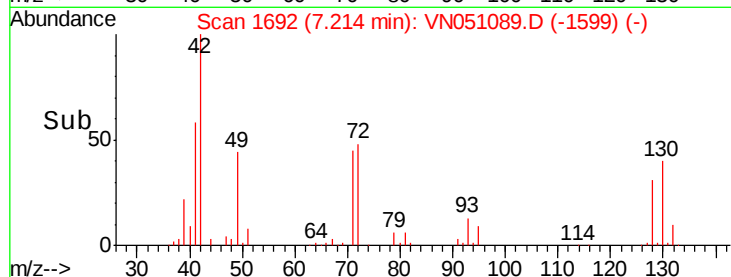
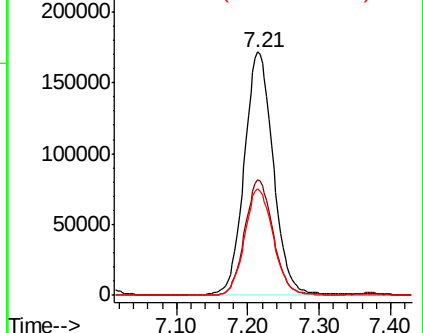
71 43.3 34.7 52.1



Abundance Ion 42.00 (41.70 to 42.70): VN051067.D (-1659) (-)

Ion 72.00 (71.70 to 72.70): VN051067.D (-1659) (-)

Ion 71.00 (70.70 to 71.70): VN051067.D (-1659) (-)



#30

Chloroform

Concen: 49.65 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051089.D

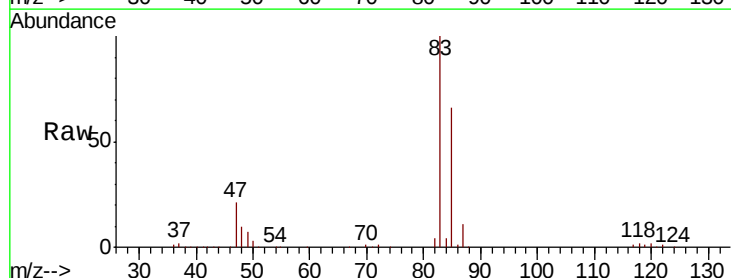
Acq: 10 Sep 2018 20:16

Tgt Ion: 83 Resp: 678845

Ion Ratio Lower Upper

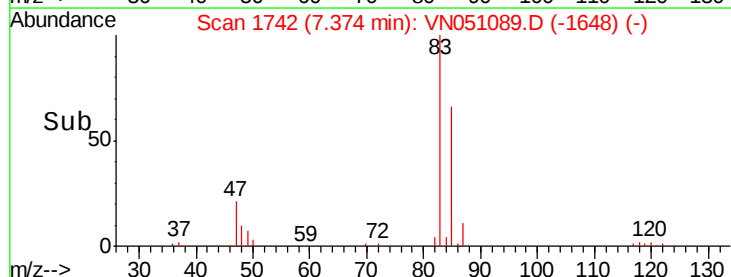
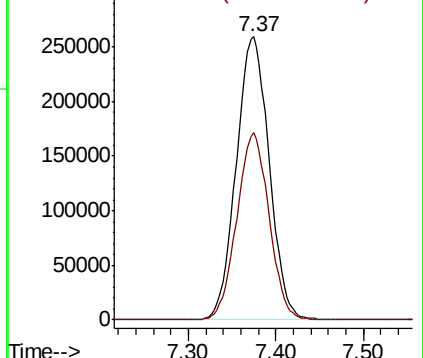
83 100

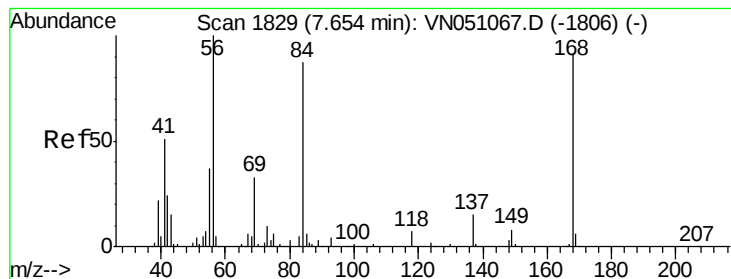
85 66.0 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN051067.D (-1719) (-)





#31

Cyclohexane

Concen: 48.90 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

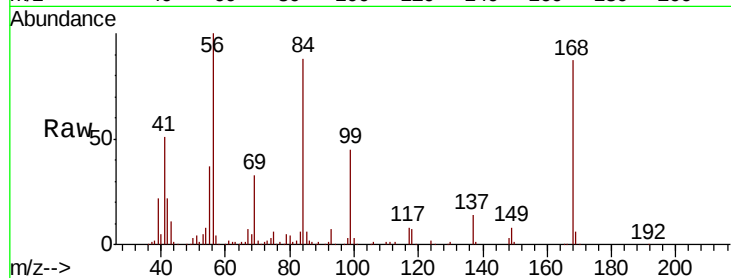
Tot Ion: 56 Resp: 599278

Ion Ratio Lower Upper

56 100

69 32.8 26.3 39.5

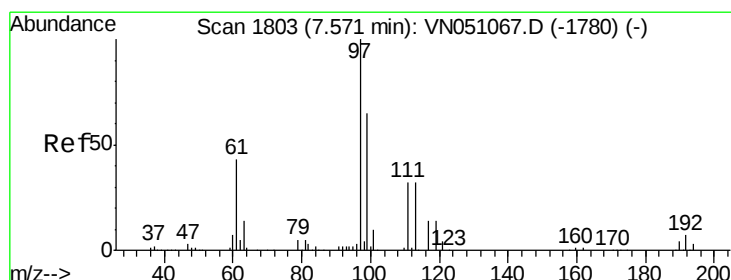
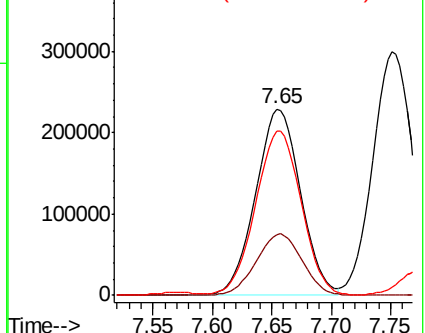
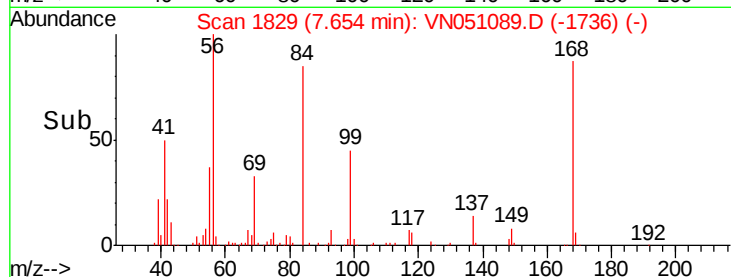
84 86.6 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VN051089.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN051089.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN051089.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 49.40 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

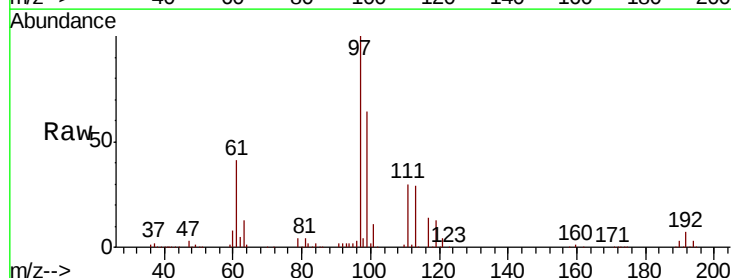
Tgt Ion: 97 Resp: 575525

Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

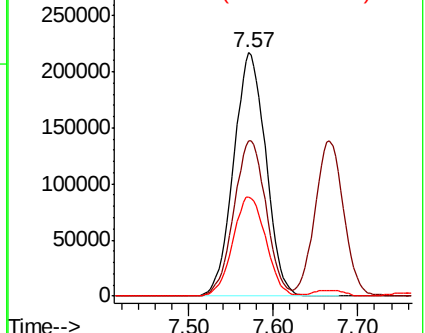
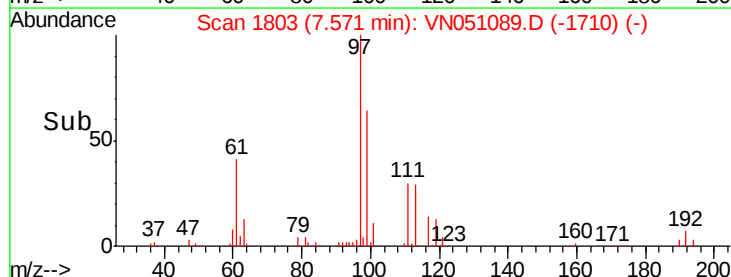
61 41.9 33.8 50.6

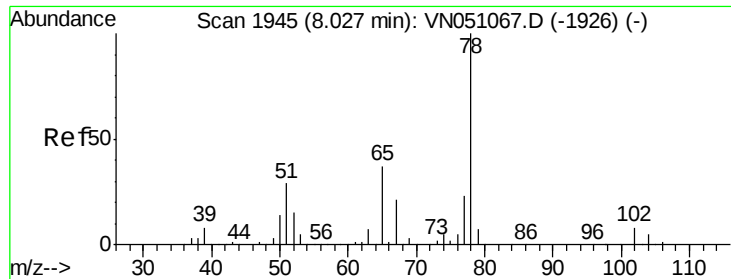


Abundance Ion 96.90 (96.60 to 97.60): VN051089.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN051089.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN051089.D (-1710) (-)

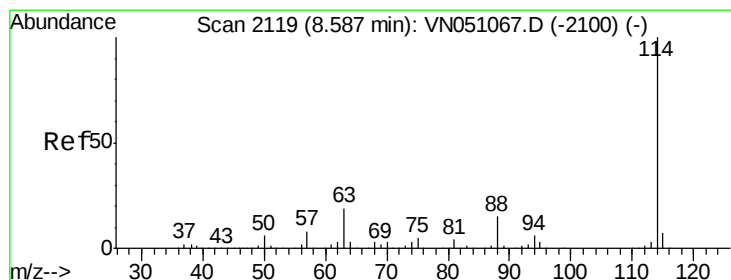
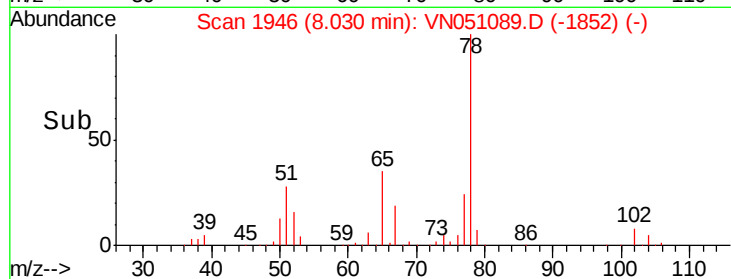
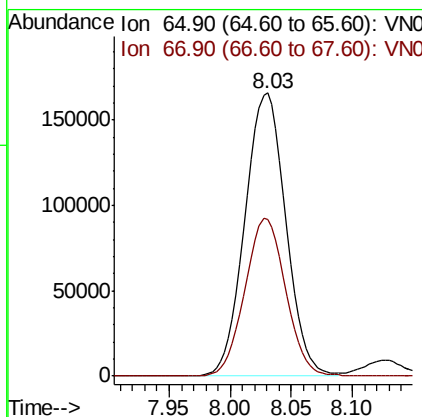
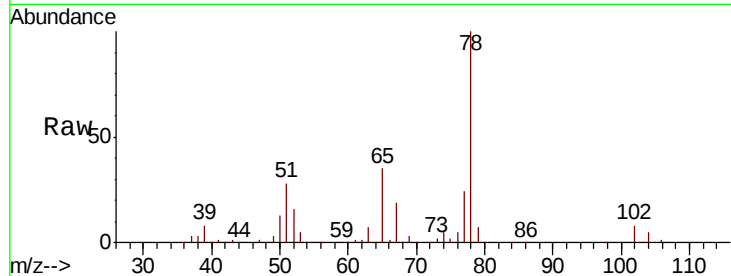




#33
 1,2-Dichloroethane-d4
 Concen: 51.60 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

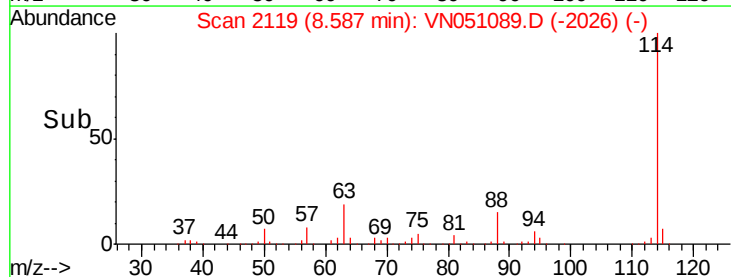
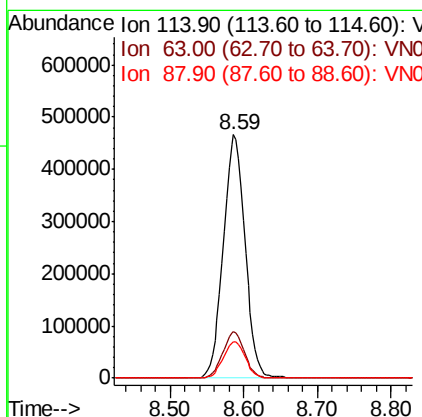
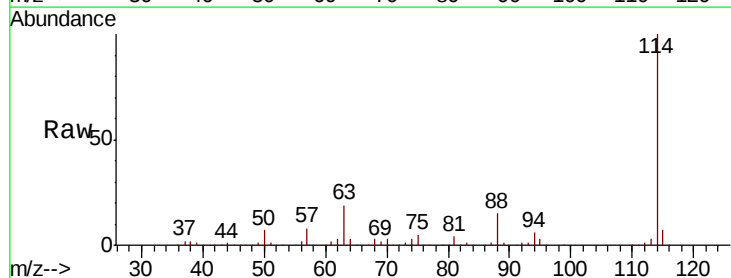
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

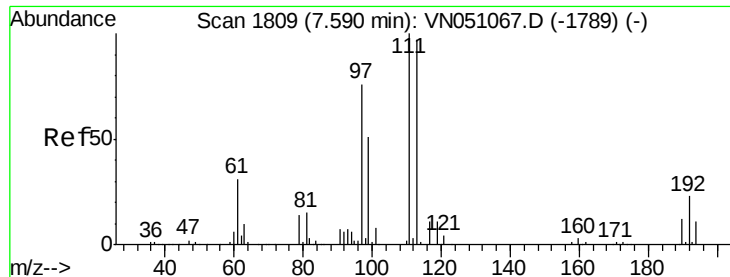
Tot Ion: 65 Resp: 385541
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion: 114 Resp: 955981
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.8
 88 15.0 0.0 30.8

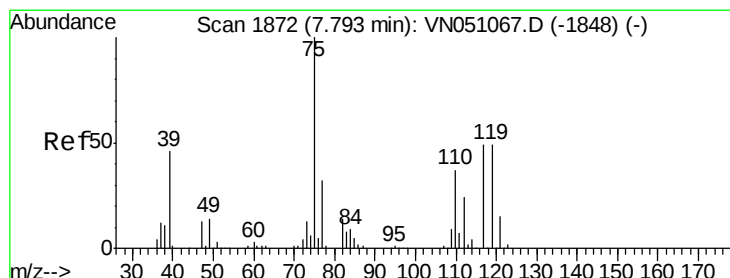
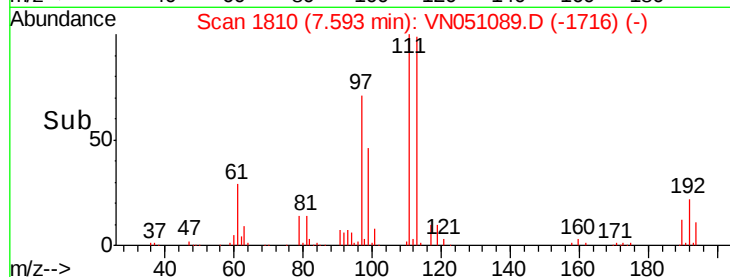
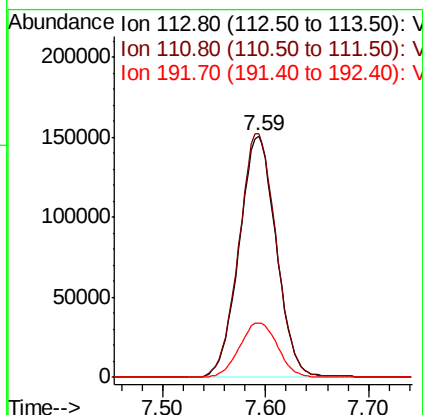
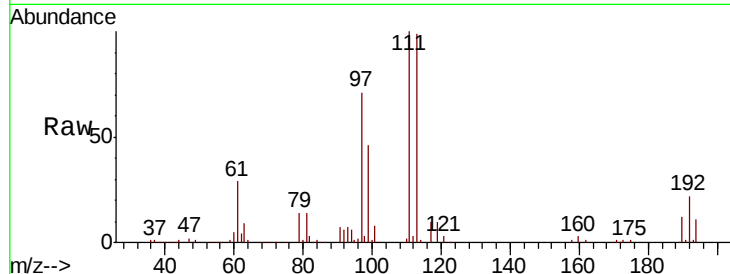




#35
 Dibromofluoromethane
 Concen: 52.28 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

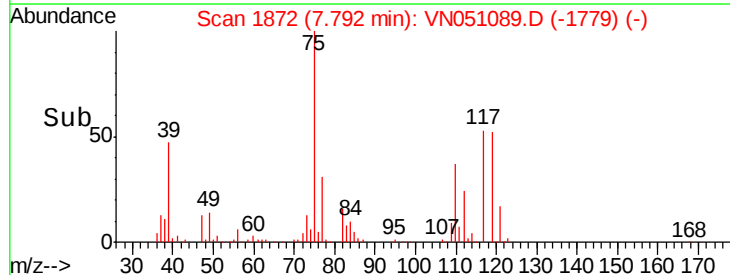
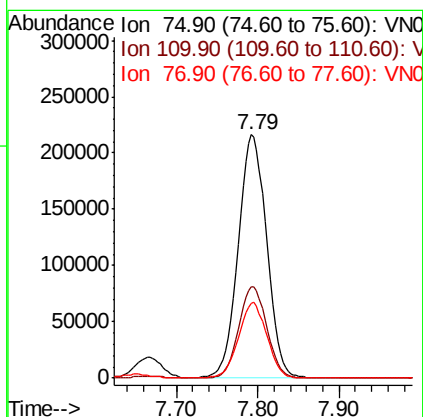
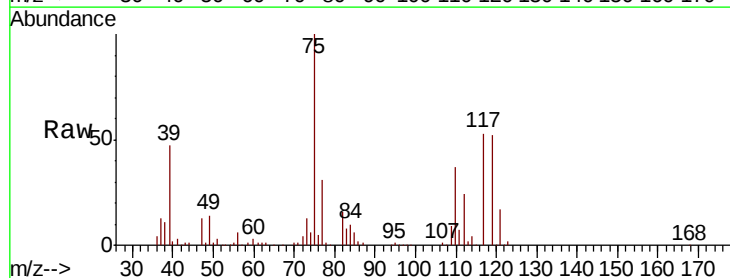
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

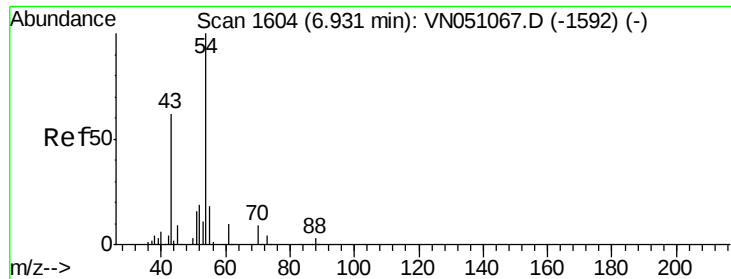
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.0	124.6
192	23.3	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 49.53 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.6	55.8
77	31.0	25.2	37.8

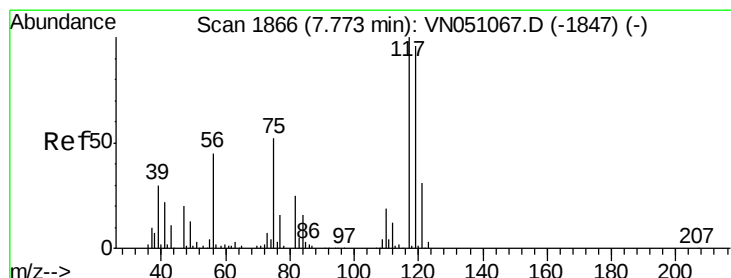
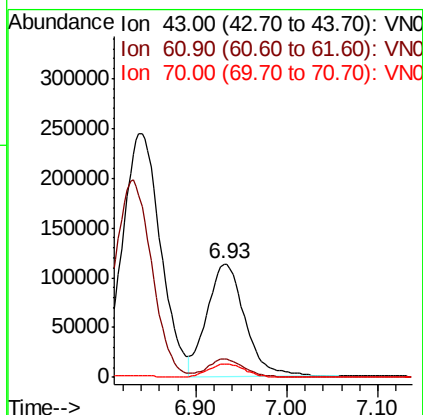
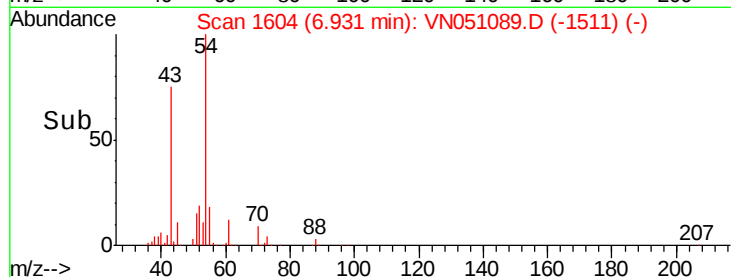
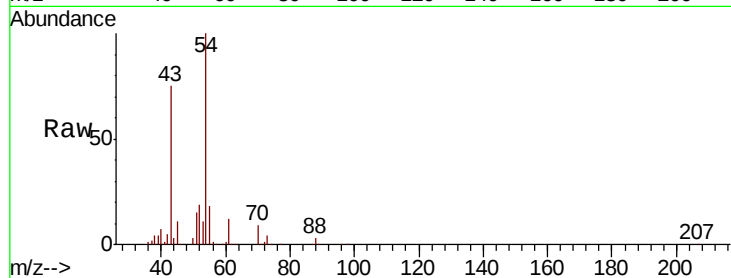




#37
Ethyl Acetate
Concen: 54.16 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

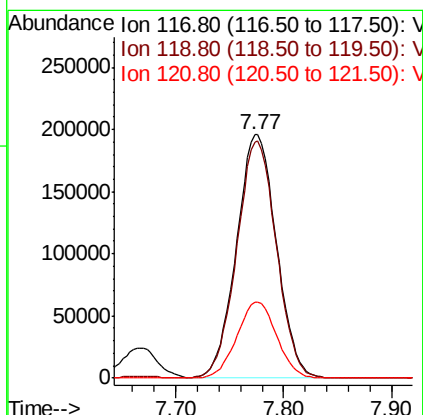
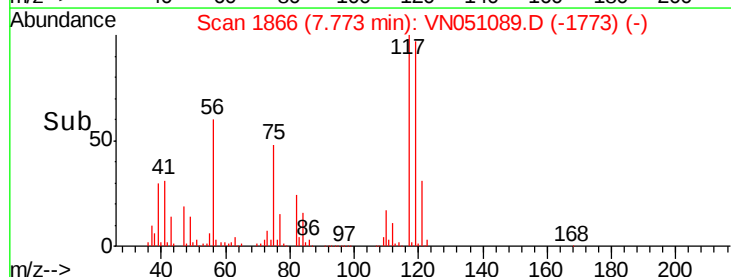
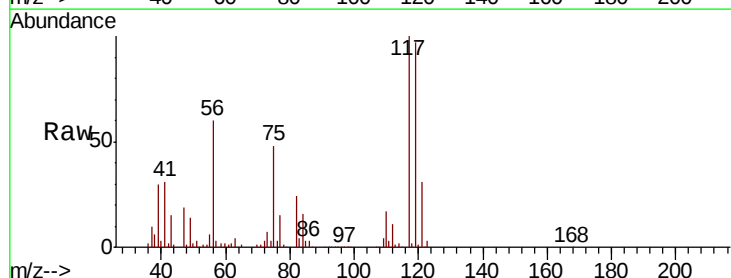
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

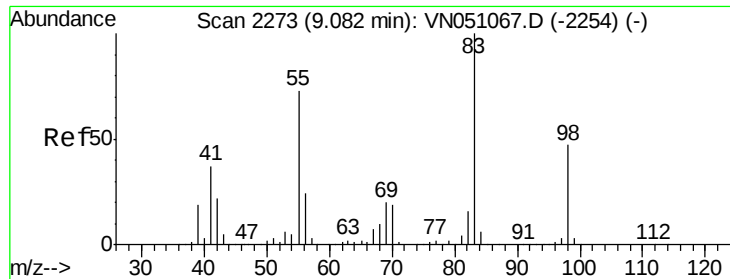
Tot Ion: 43 Resp: 329251
Ion Ratio Lower Upper
43 100
61 15.3 12.4 18.6
70 11.5 9.3 13.9



#38
Carbon Tetrachloride
Concen: 48.76 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion: 117 Resp: 503656
Ion Ratio Lower Upper
117 100
119 97.1 76.8 115.2
121 31.3 24.6 36.8

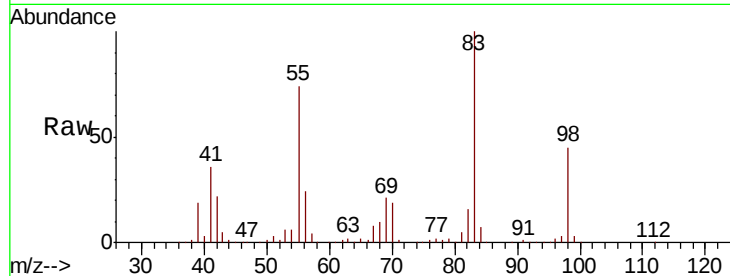




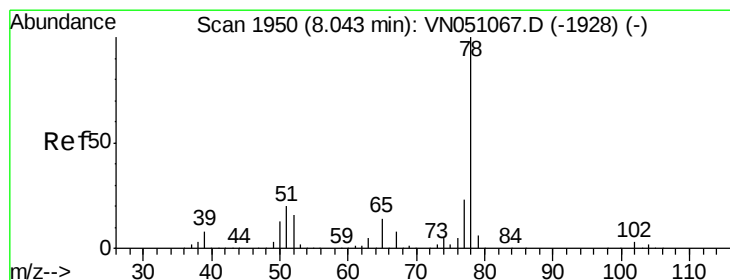
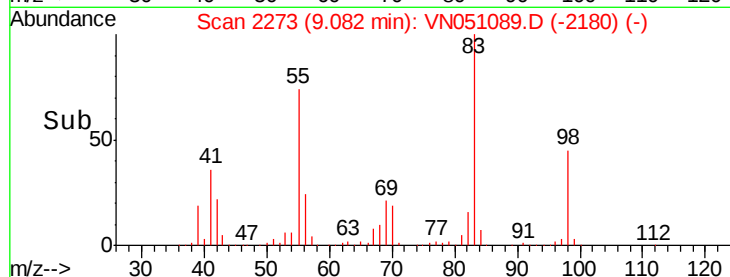
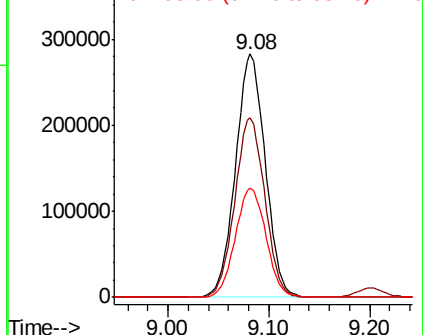
#39
Methvlcvclohexane
Concen: 49.86 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 577343
Ion Ratio Lower Upper
83 100
55 73.9 58.4 87.6
98 44.9 37.3 55.9

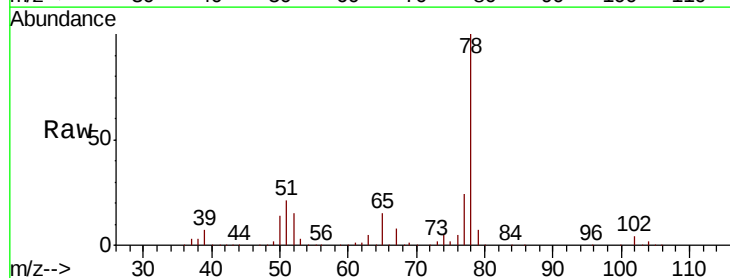


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

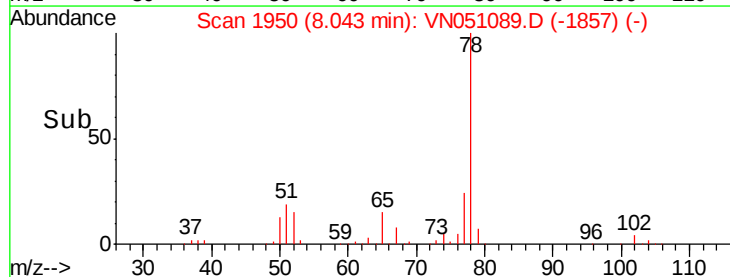
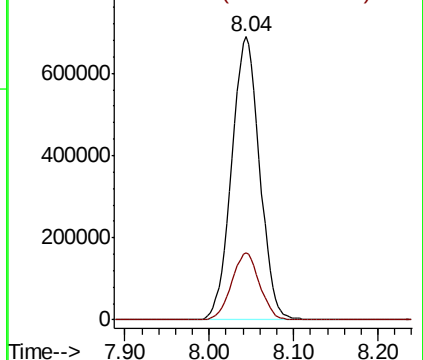


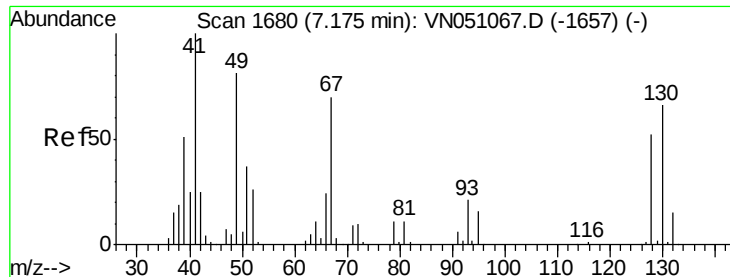
#40
Benzene
Concen: 50.37 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion: 78 Resp: 1593081
Ion Ratio Lower Upper
78 100
77 23.9 18.6 27.8



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

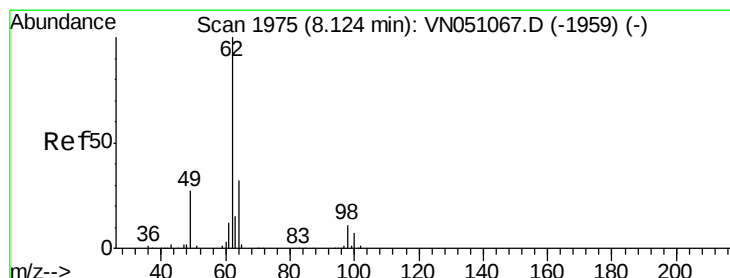
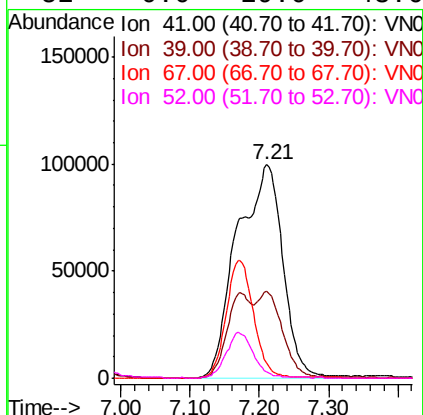
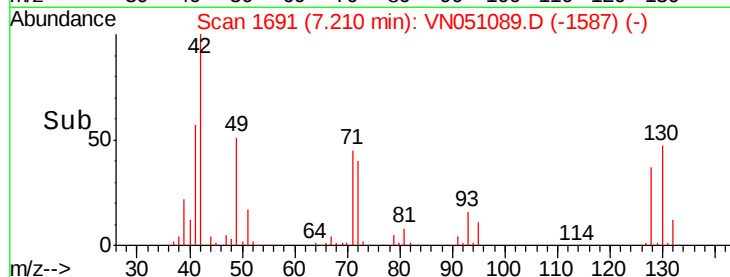
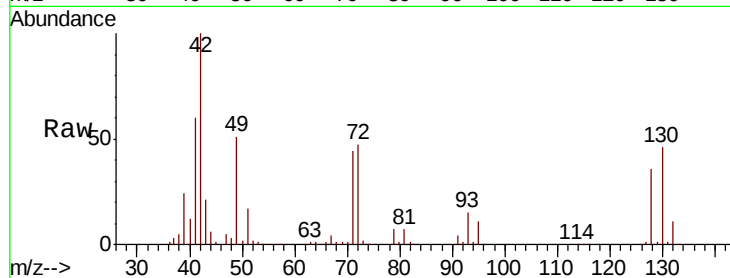




#41
Methacrylonitrile
Concen: 145.44 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

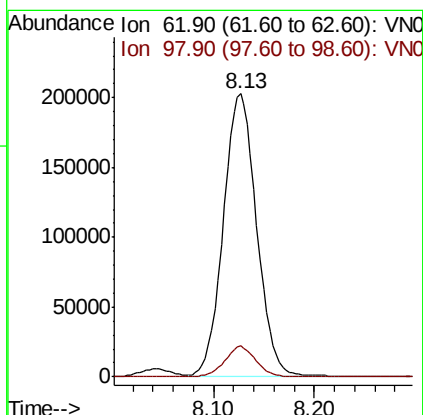
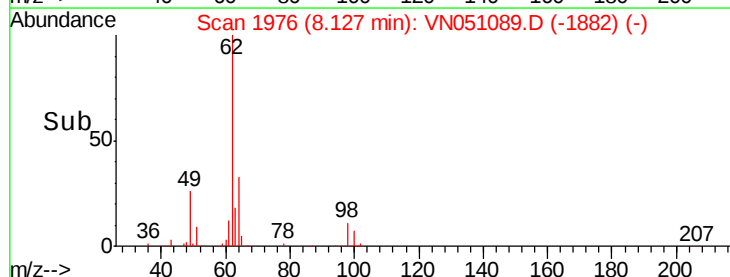
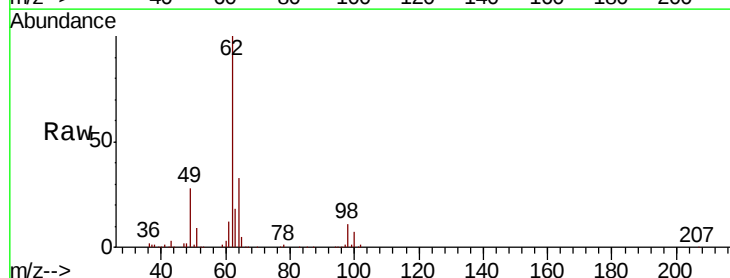
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

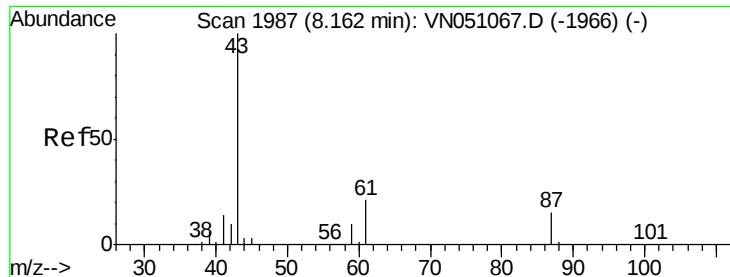
Tot Ion: 41 Resp: 456156
Ion Ratio Lower Upper
41 100
39 0.0 51.3 76.9#
67 0.0 78.5 117.7#
52 0.0 29.0 43.6#



#42
1,2-Dichloroethane
Concen: 50.41 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion: 62 Resp: 464674
Ion Ratio Lower Upper
62 100
98 10.2 0.0 21.0





#43

Isopropyl Acetate

Concen: 51.95 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

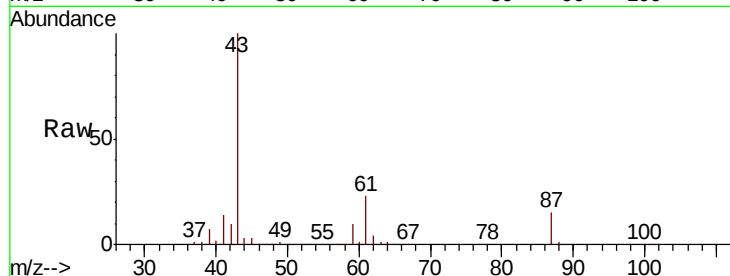
Tot Ion: 43 Resp: 557187

Ion Ratio Lower Upper

43 100

61 22.9 25.0 37.6#

87 15.1 11.8 17.8

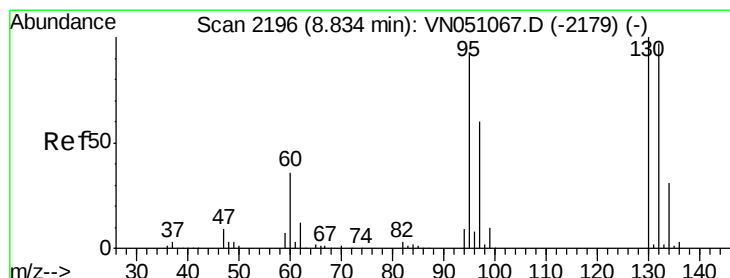
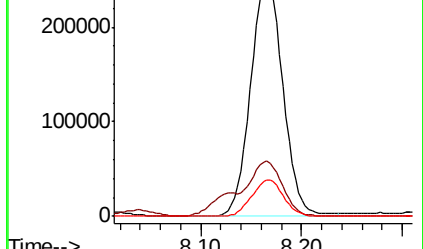
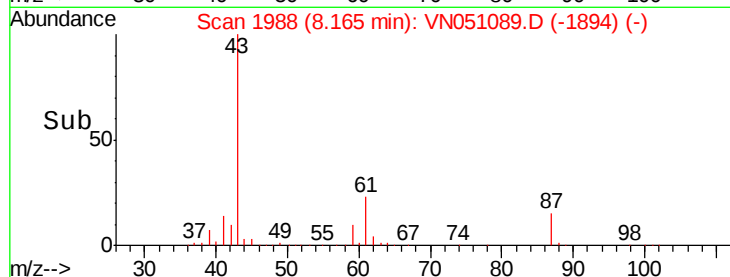


Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN051067.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN051067.D (-1966) (-)

Time-->



#44

Trichloroethene

Concen: 48.57 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051089.D

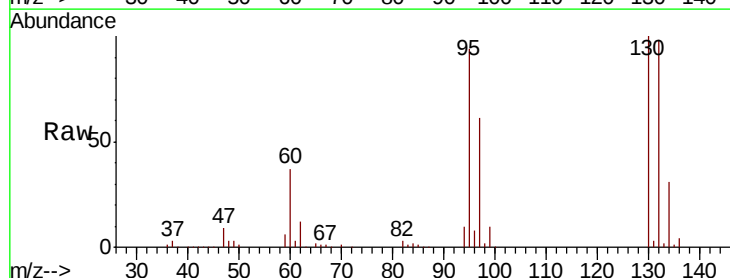
Acq: 10 Sep 2018 20:16

Tgt Ion:130 Resp: 420173

Ion Ratio Lower Upper

130 100

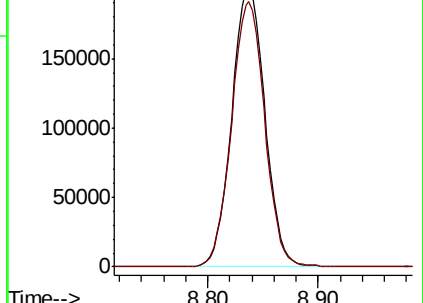
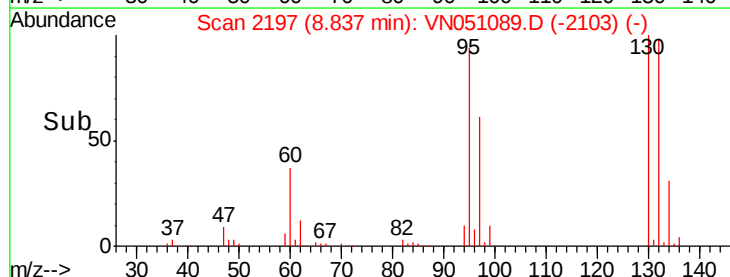
95 93.8 0.0 186.2

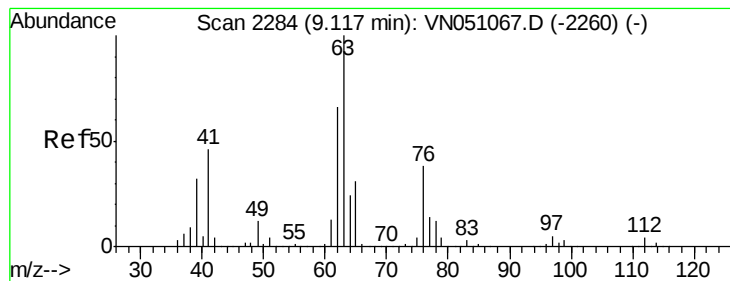


Abundance Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051067.D (-2179) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 50.71 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

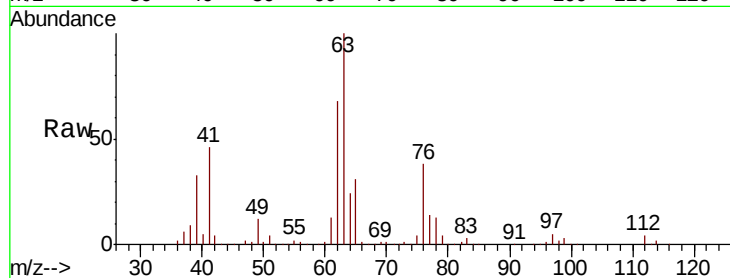
VSTDCCC050

Tot Ion: 63 Resp: 414435

Ion Ratio Lower Upper

63 100

65 31.5 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN051089.D (-2191) (-)

Ion 64.90 (64.60 to 65.60): VN051089.D (-2191) (-)

9.12

200000

150000

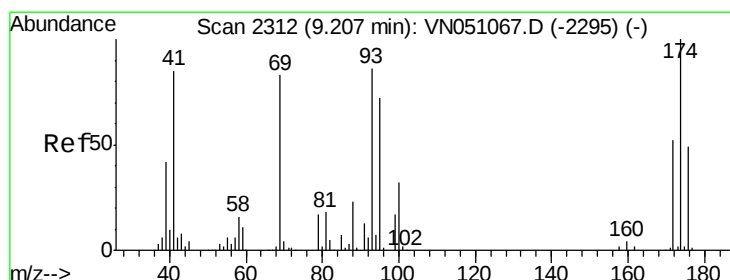
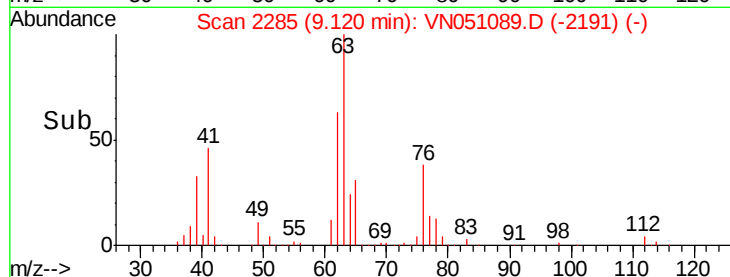
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 49.36 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

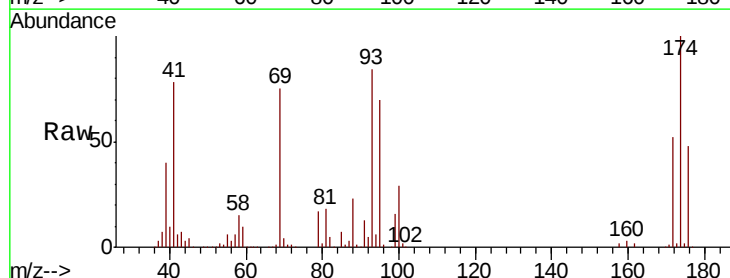
Tgt Ion: 93 Resp: 246128

Ion Ratio Lower Upper

93 100

95 84.5 66.8 100.2

174 117.2 93.3 139.9



Abundance Ion 92.80 (92.50 to 93.50): VN051089.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN051089.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN051089.D (-2219) (-)

9.21

150000

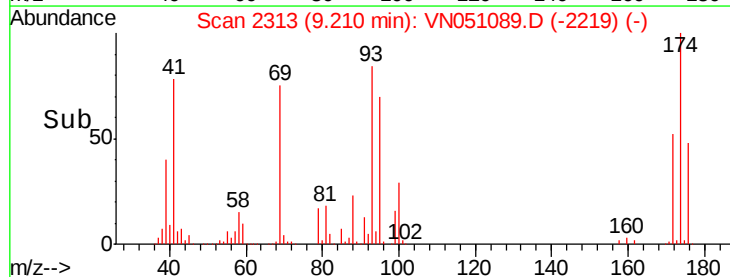
100000

50000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 50.73 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

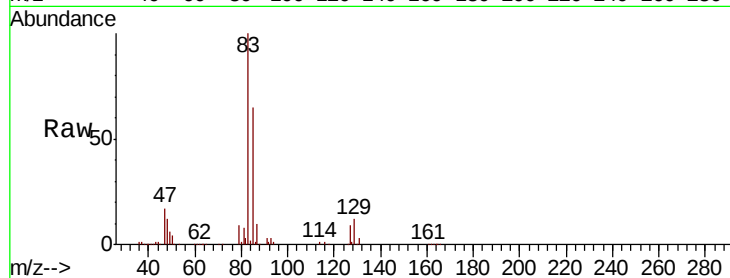
Tot Ion: 83 Resp: 514328

Ion Ratio Lower Upper

83 100

85 64.6 52.3 78.5

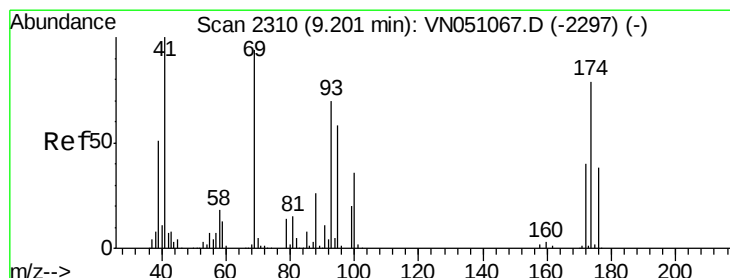
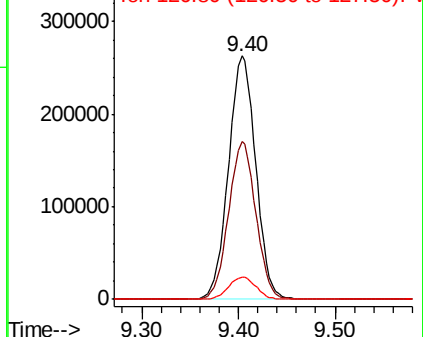
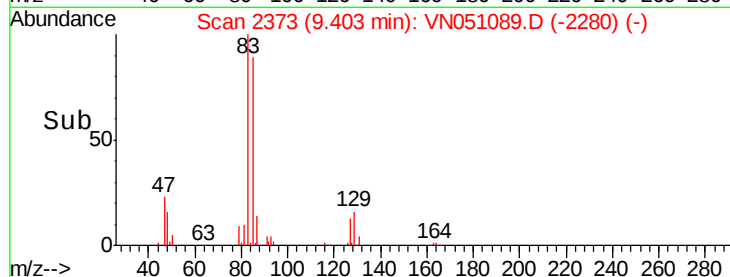
127 9.3 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN051089.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051089.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051089.D (-2280) (-)



#48

Methyl methacrylate

Concen: 54.20 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

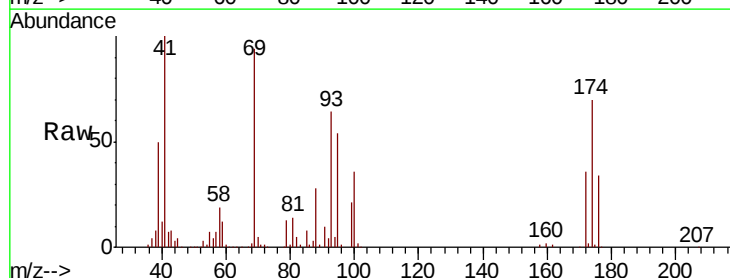
Tgt Ion: 41 Resp: 283311

Ion Ratio Lower Upper

41 100

69 96.1 77.7 116.5

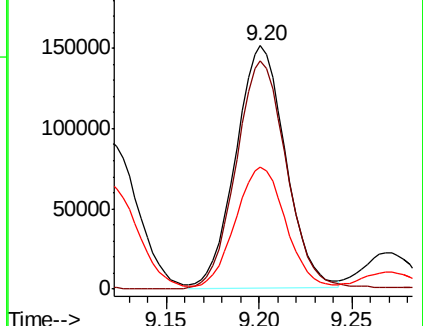
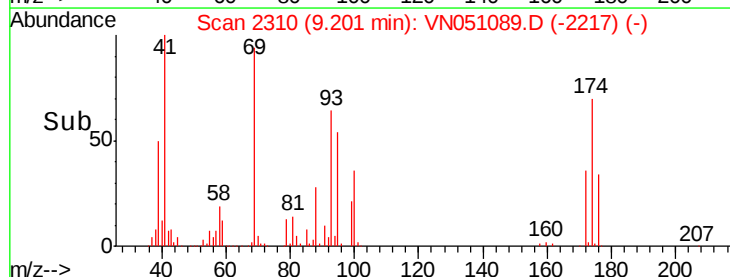
39 50.8 41.6 62.4

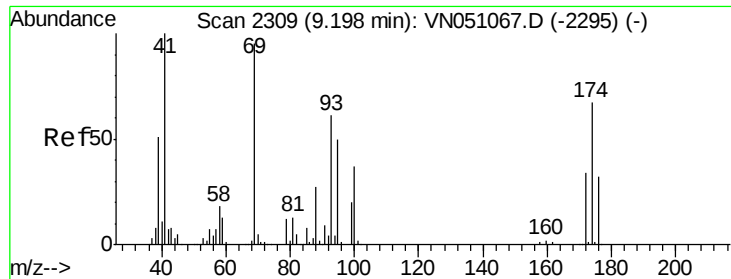


Abundance Ion 41.00 (40.70 to 41.70): VN051089.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051089.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051089.D (-2217) (-)

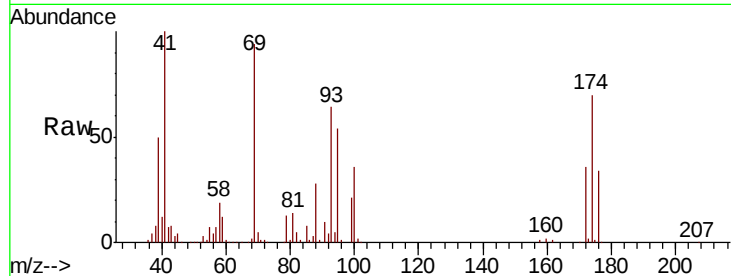




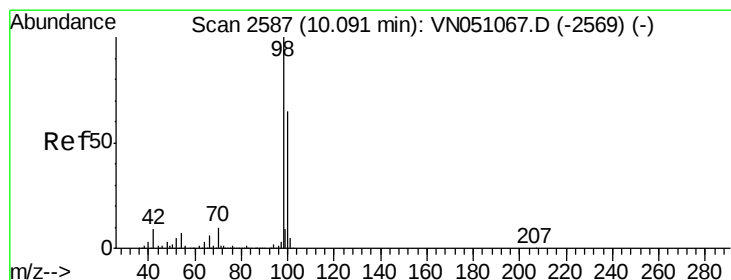
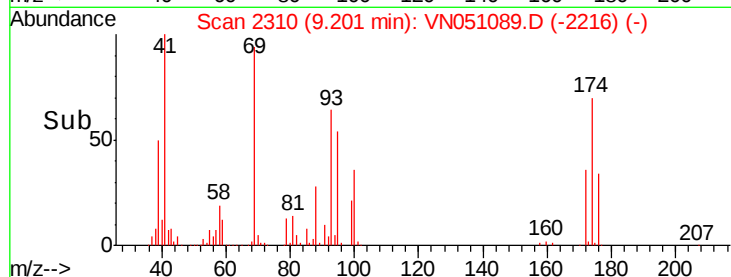
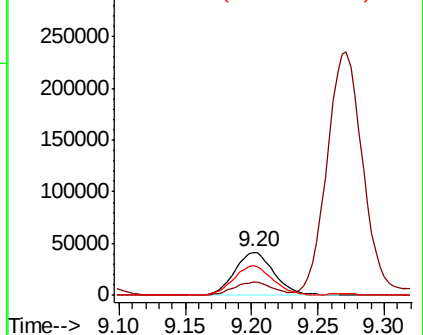
#49
1,4-Dioxane
Concen: 1055.12 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 86483
Ion Ratio Lower Upper
88 100
43 29.1 23.7 35.5
58 68.3 54.6 82.0

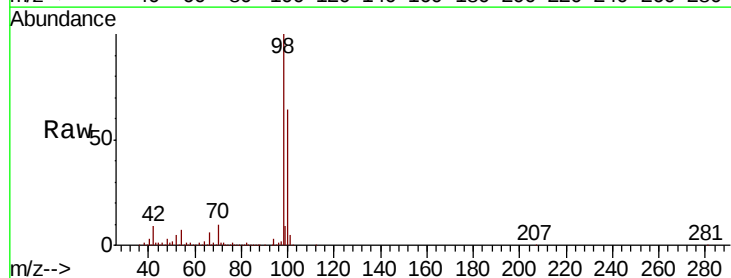


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

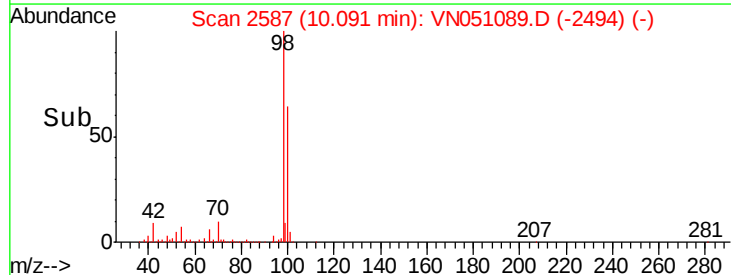
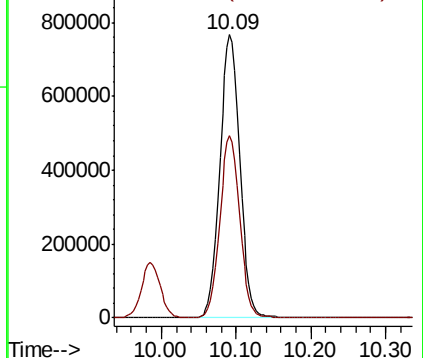


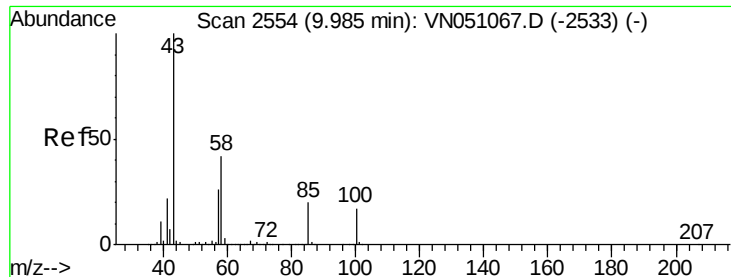
#50
Toluene-d8
Concen: 52.07 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion: 98 Resp: 1419347
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

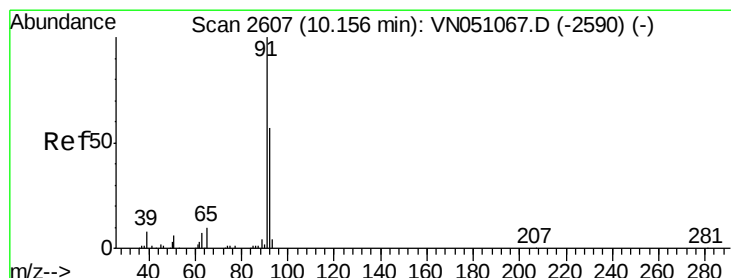
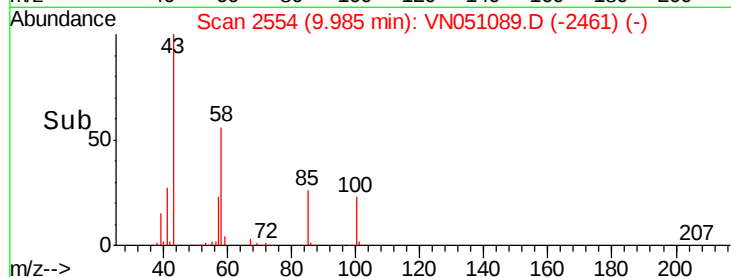
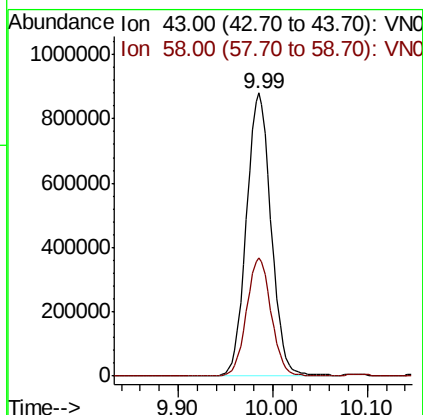
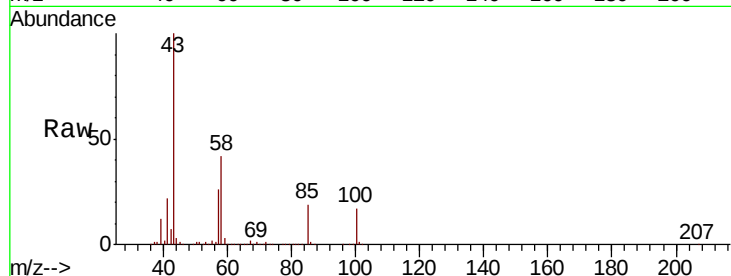




#51
 4-Methyl-2-Pentanone
 Concen: 268.52 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

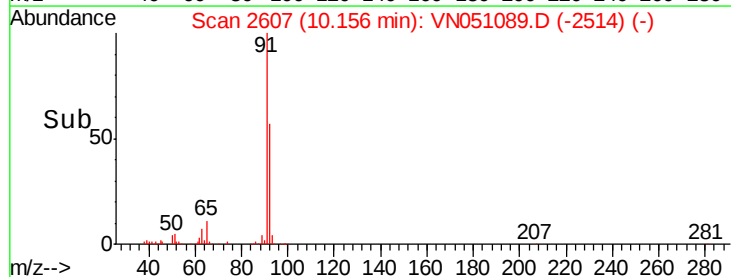
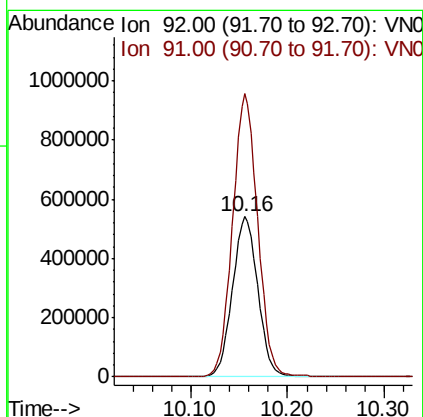
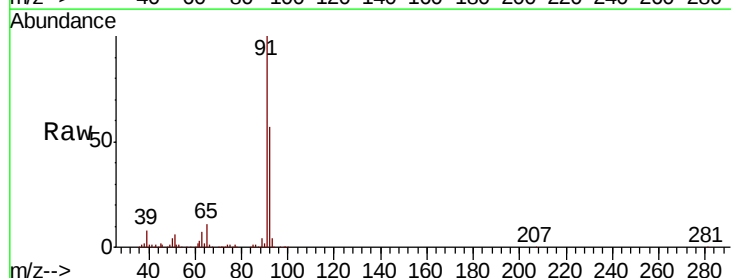
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

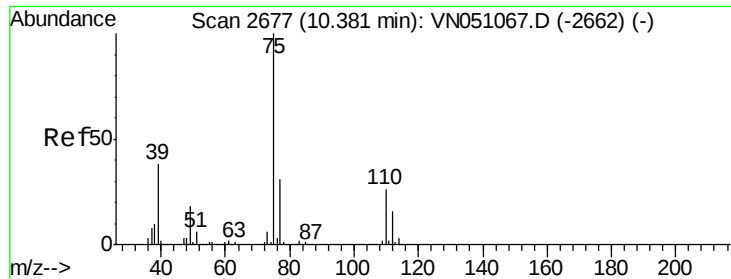
Tot Ion: 43 Resp: 1592691
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.5 50.3



#52
 Toluene
 Concen: 51.19 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion: 92 Resp: 987267
 Ion Ratio Lower Upper
 92 100
 91 174.8 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 50.99 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

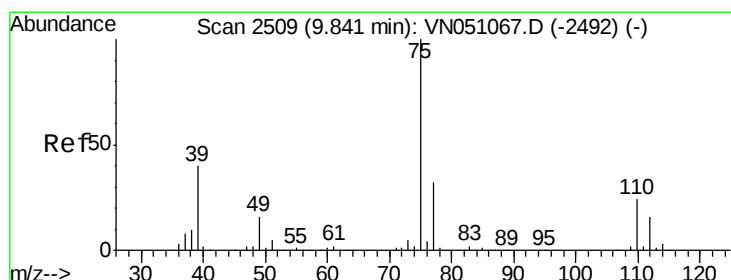
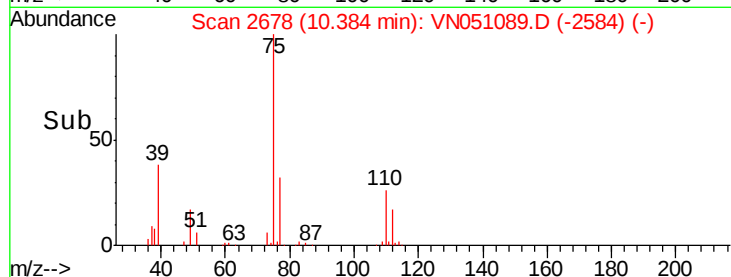
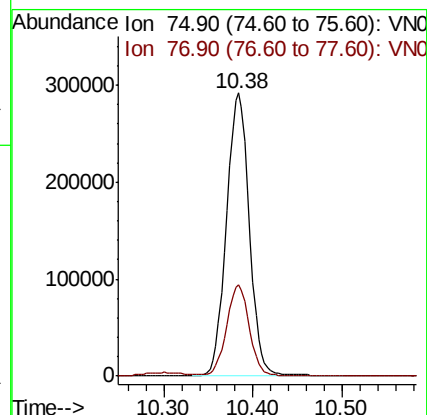
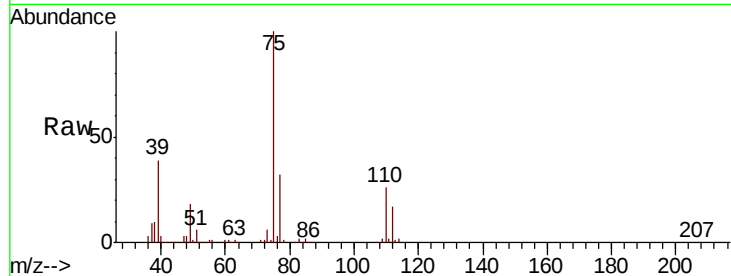
VSTDCCC050

Tot Ion: 75 Resp: 517425

Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 50.96 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

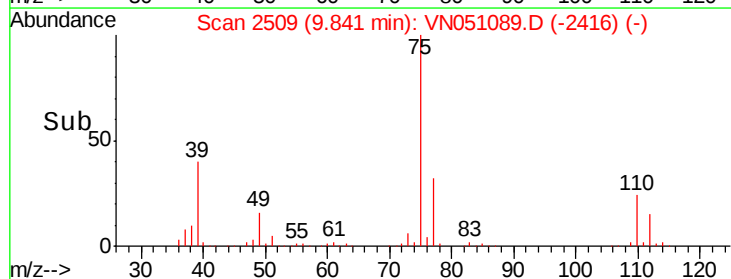
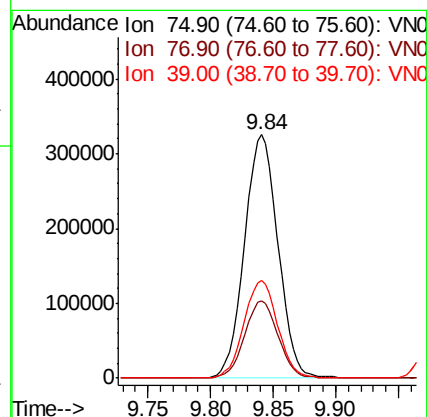
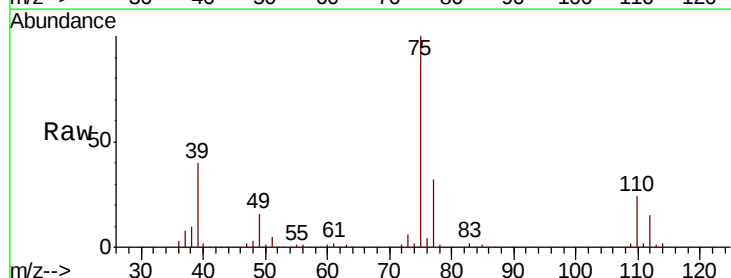
Tgt Ion: 75 Resp: 606310

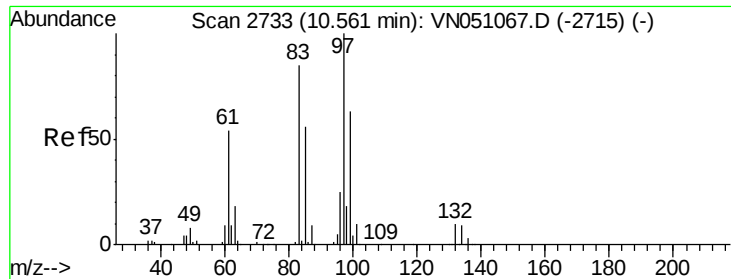
Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

39 40.1 31.9 47.9

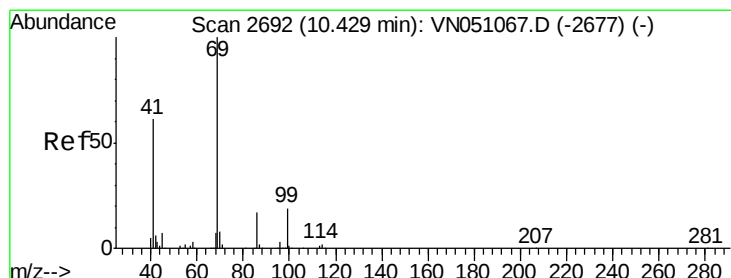
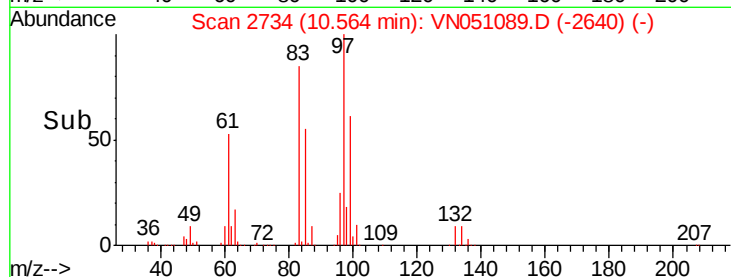
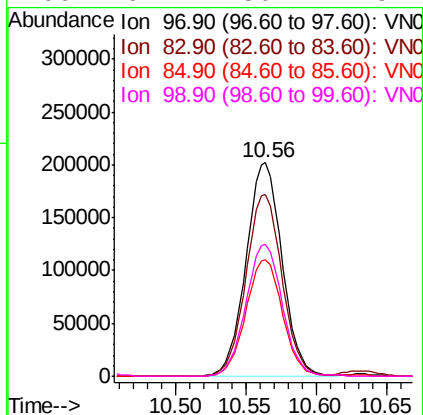
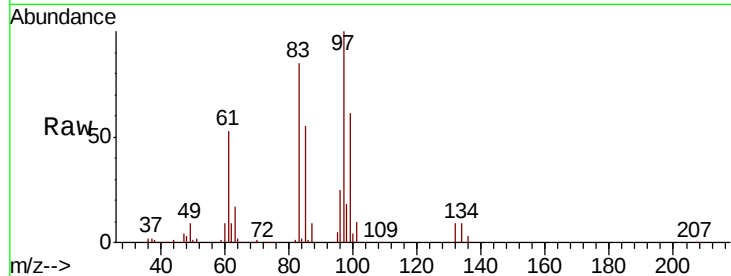




#55
 1,1,2-Trichloroethane
 Concen: 51.66 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

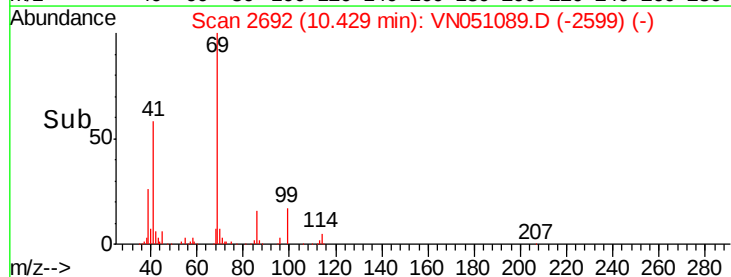
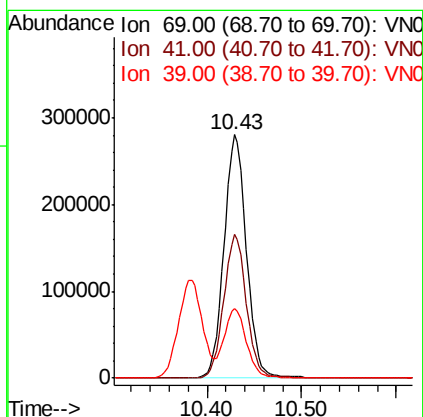
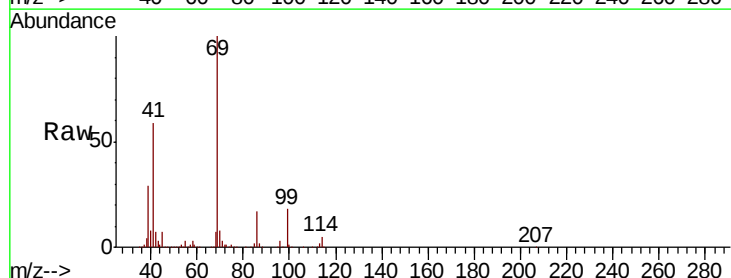
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 361915
 Ion Ratio Lower Upper
 97 100
 83 85.0 68.2 102.2
 85 54.6 44.8 67.2
 99 61.4 50.2 75.4



#56
 Ethyl methacrylate
 Concen: 49.27 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion: 69 Resp: 462838
 Ion Ratio Lower Upper
 69 100
 41 58.6 47.8 71.8
 39 28.8 23.0 34.4





#57

1,3-Dichloropropane

Concen: 51.40 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

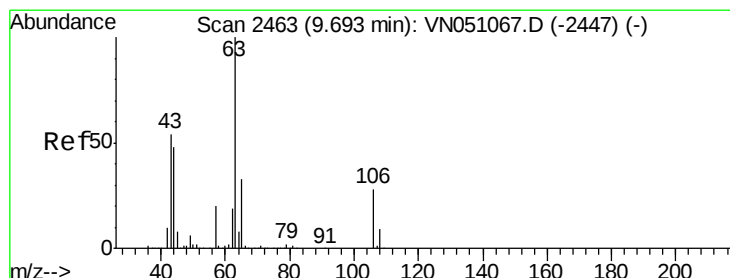
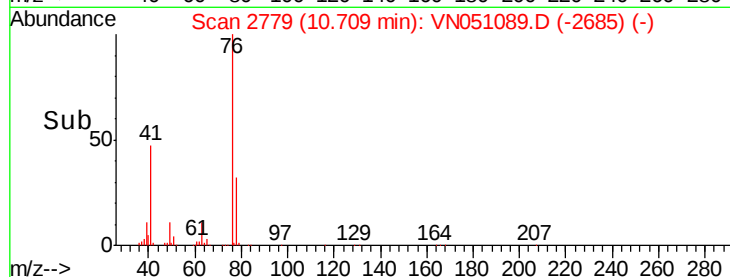
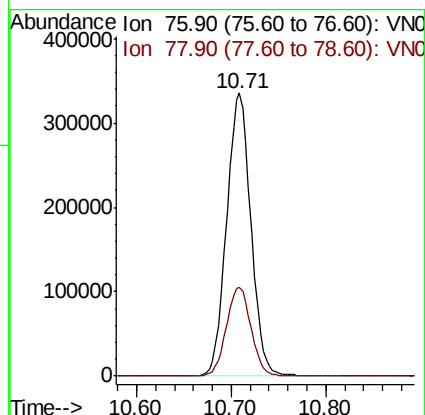
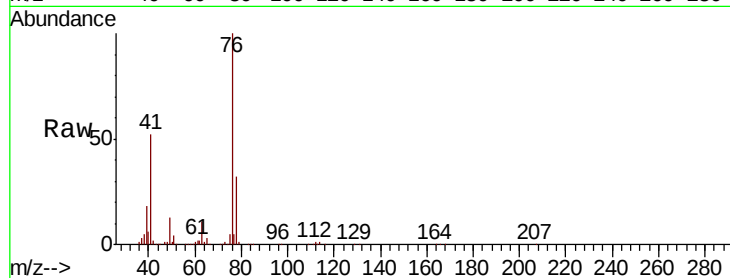
VSTDCCC050

Tot Ion: 76 Resp: 596951

Ion Ratio Lower Upper

76 100

78 31.9 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 242.47 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051089.D

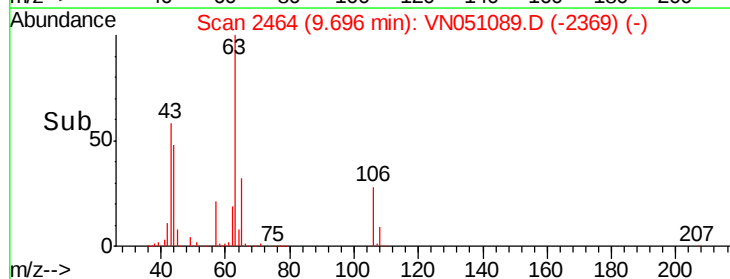
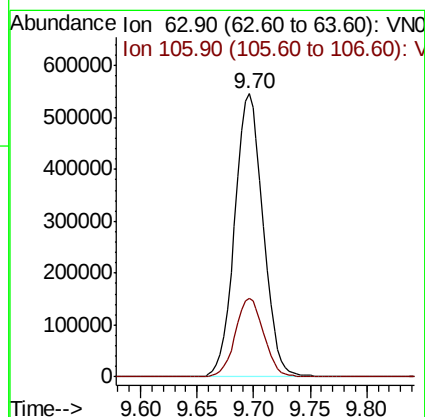
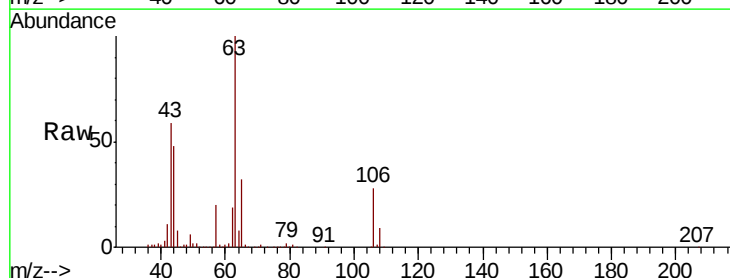
Acq: 10 Sep 2018 20:16

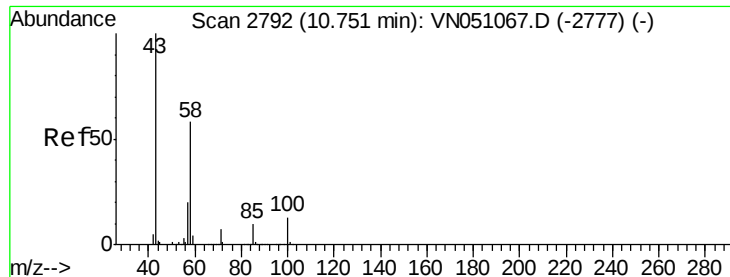
Tgt Ion: 63 Resp: 956306

Ion Ratio Lower Upper

63 100

106 27.9 22.5 33.7

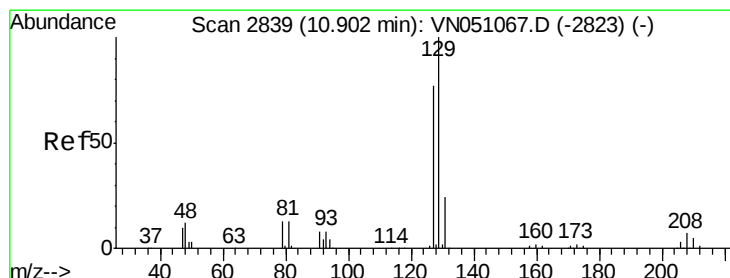
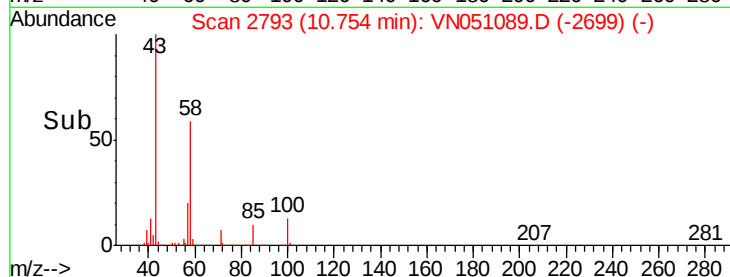
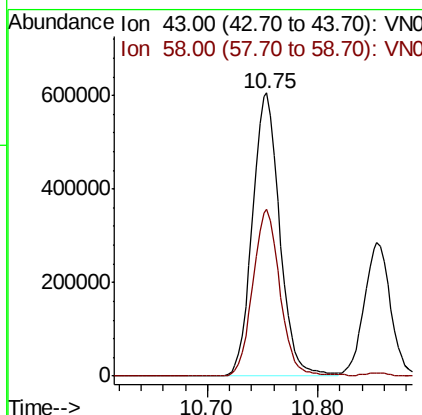
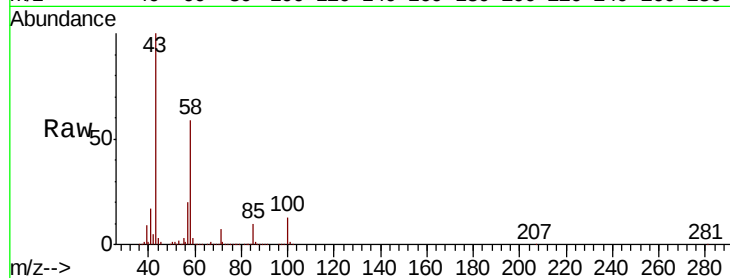




#59
2-Hexanone
Concen: 258.45 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

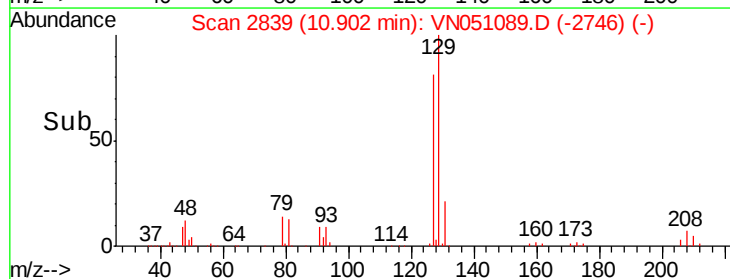
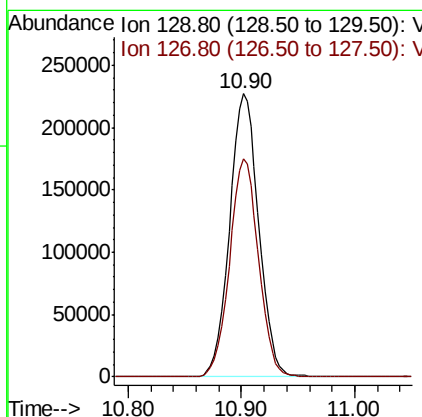
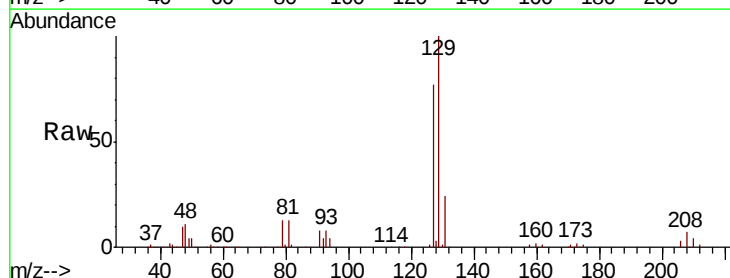
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

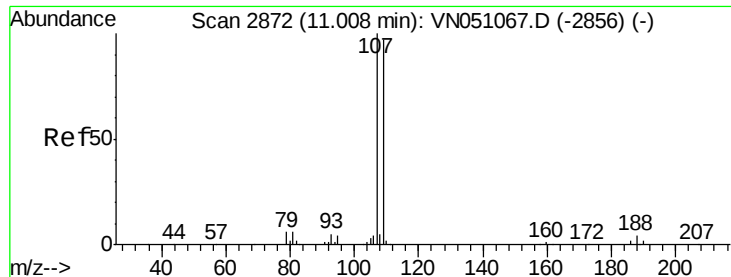
Tot Ion: 43 Resp: 1039615
Ion Ratio Lower Upper
43 100
58 58.8 29.3 88.0



#60
Dibromochloromethane
Concen: 51.39 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion: 129 Resp: 405786
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.73 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

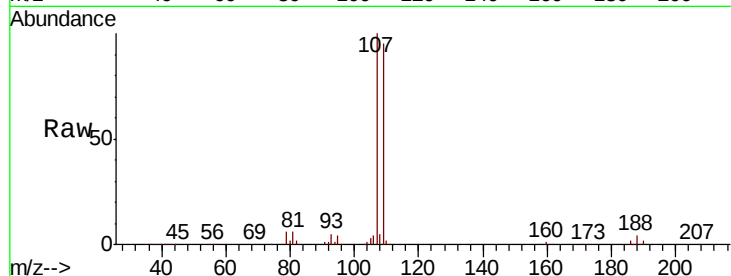
VSTDCCC050

Tot Ion: 107 Resp: 354257

Ion Ratio Lower Upper

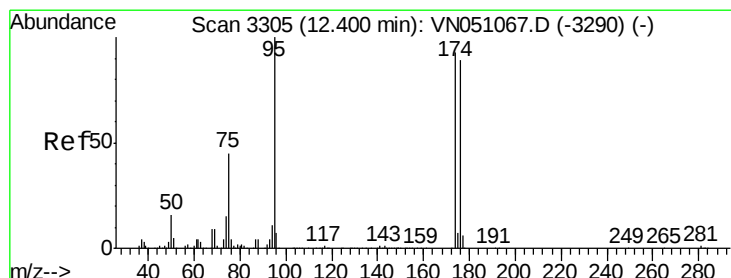
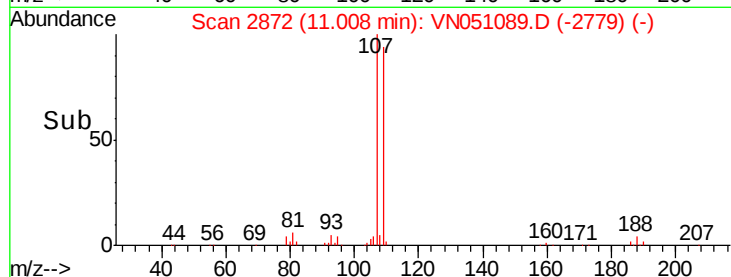
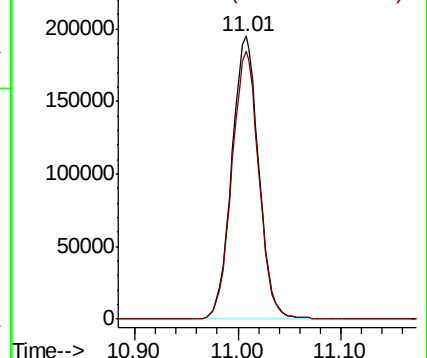
107 100

109 95.0 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.82 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

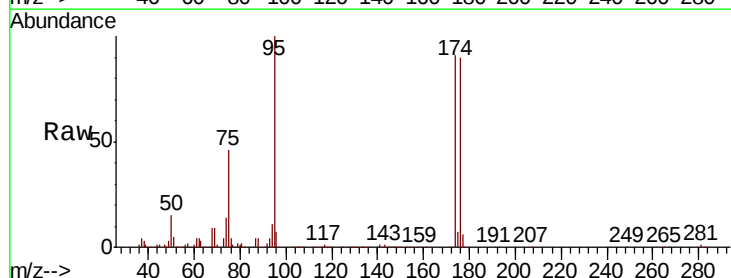
Tgt Ion: 95 Resp: 476226

Ion Ratio Lower Upper

95 100

174 91.3 0.0 184.8

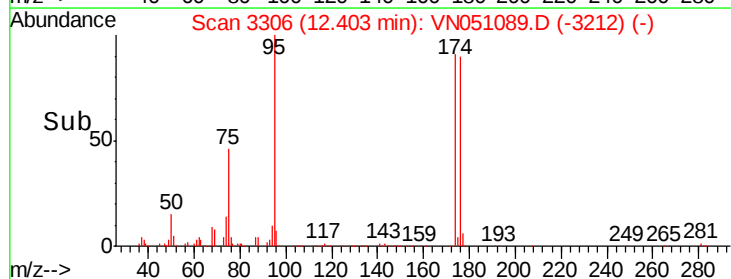
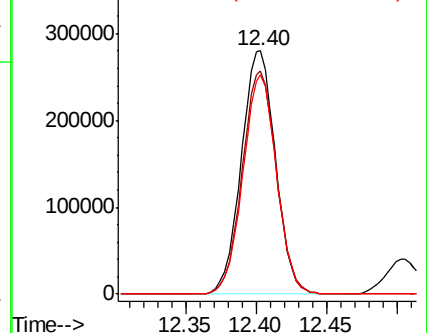
176 88.8 0.0 178.6

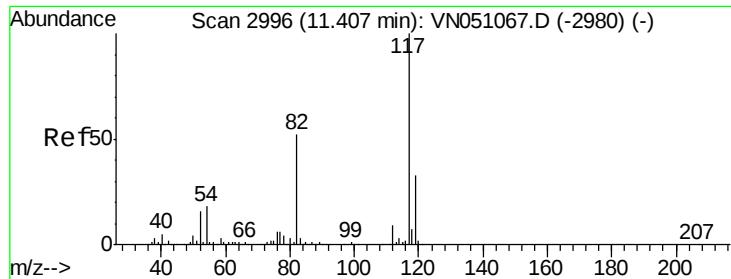


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

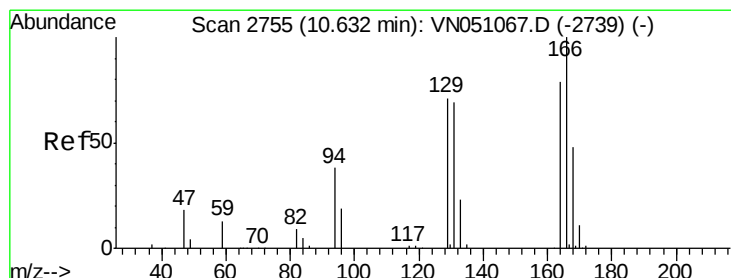
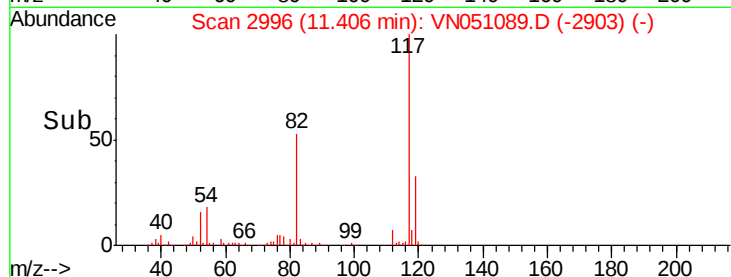
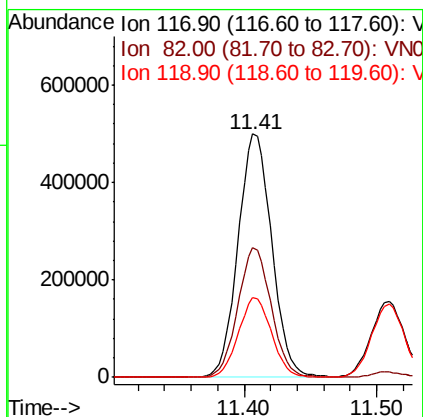
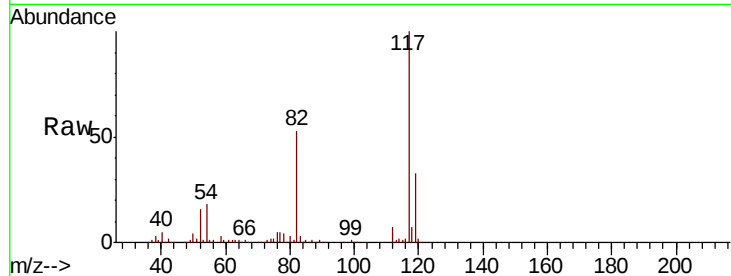




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

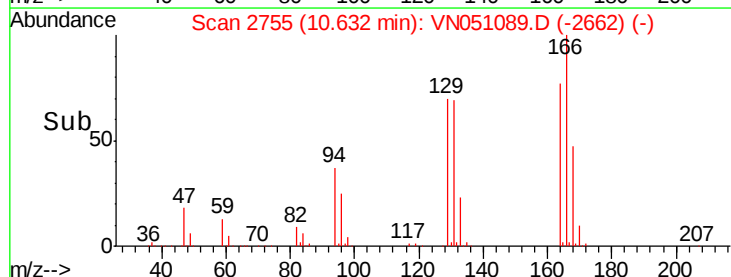
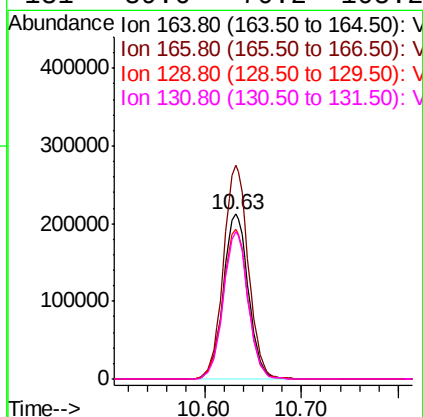
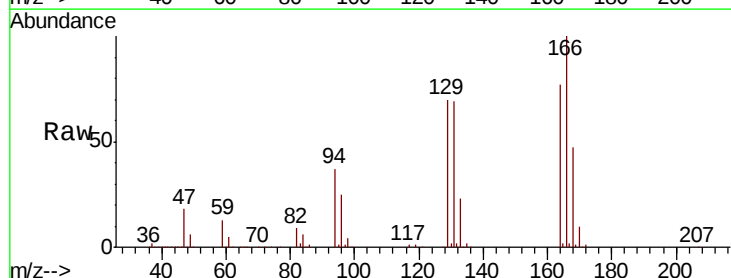
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

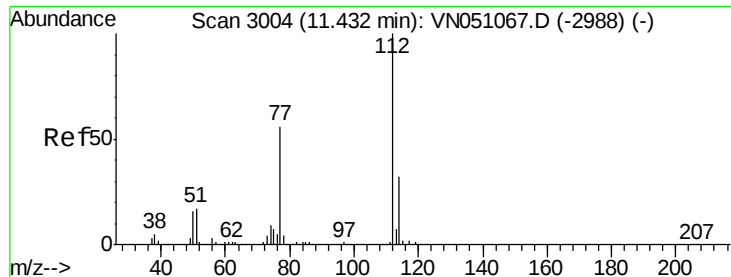
Tot Ion:117 Resp: 883159
Ion Ratio Lower Upper
117 100
82 53.2 41.8 62.6
119 32.5 26.2 39.2



#64
Tetrachloroethene
Concen: 47.19 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion:164 Resp: 380300
Ion Ratio Lower Upper
164 100
166 129.7 101.3 151.9
129 91.0 72.2 108.2
131 89.6 70.2 105.2

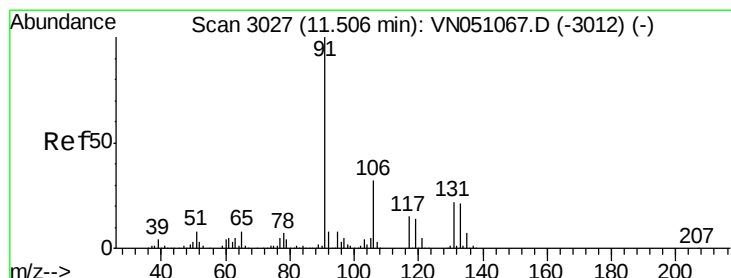
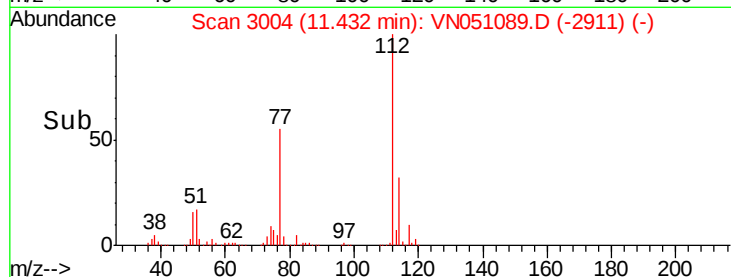
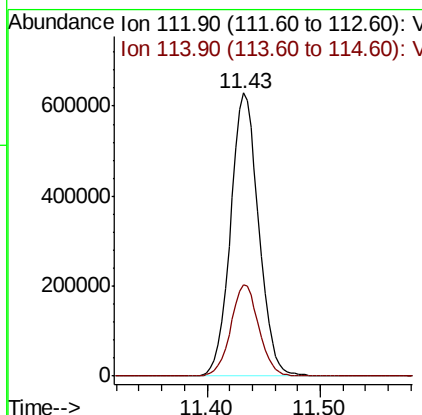
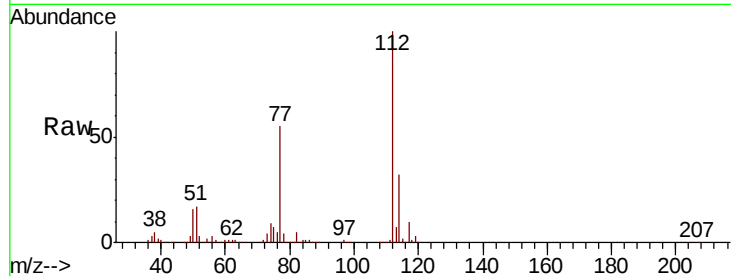




#65
Chlorobenzene
Concen: 48.77 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

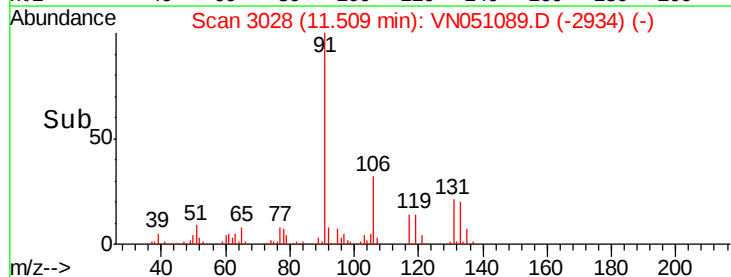
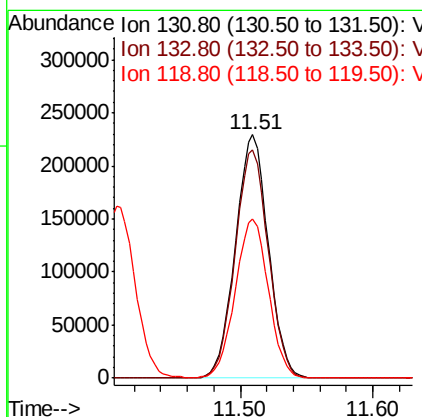
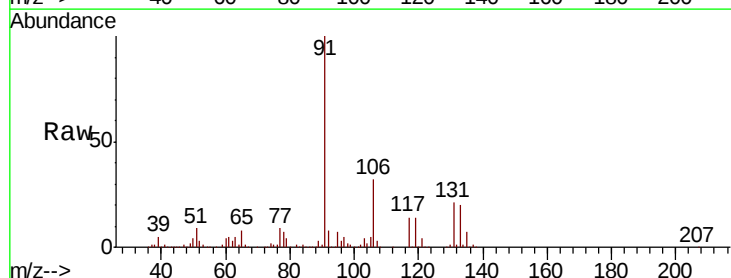
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

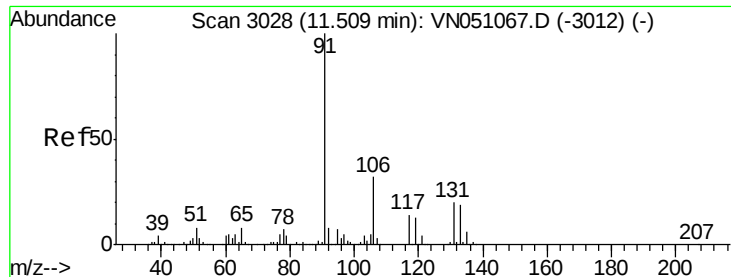
Tot Ion:112 Resp: 1085819
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.37 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion:131 Resp: 395716
Ion Ratio Lower Upper
131 100
133 94.8 47.5 142.6
119 66.0 33.2 99.6





#67

Ethyl Benzene

Concen: 50.86 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

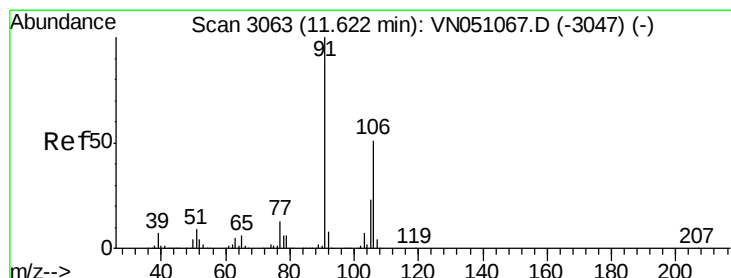
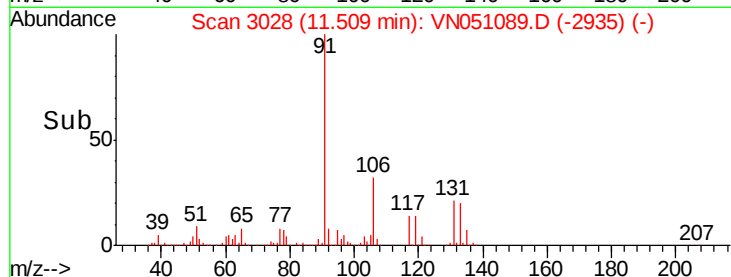
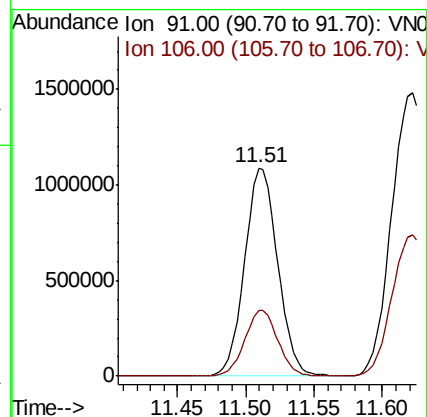
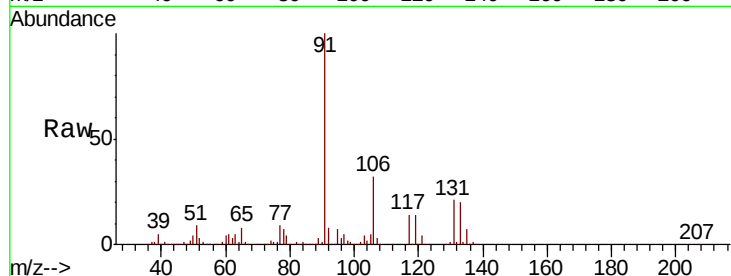
VSTDCCC050

Tot Ion: 91 Resp: 1833528

Ion Ratio Lower Upper

91 100

106 31.5 25.4 38.2



#68

m/p-Xylenes

Concen: 103.70 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051089.D

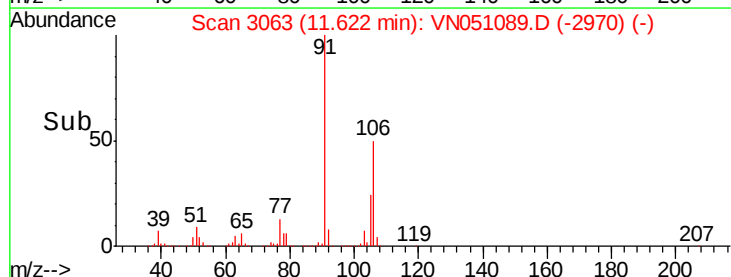
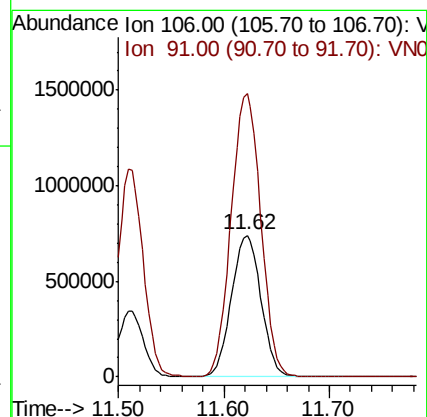
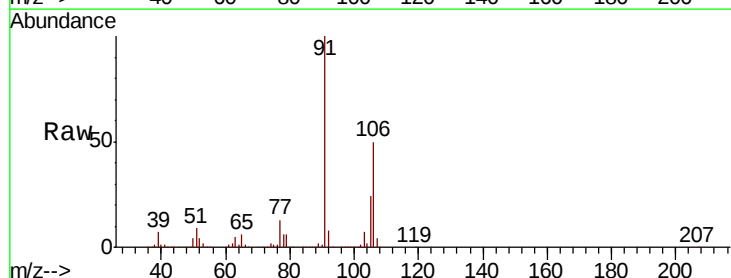
Acq: 10 Sep 2018 20:16

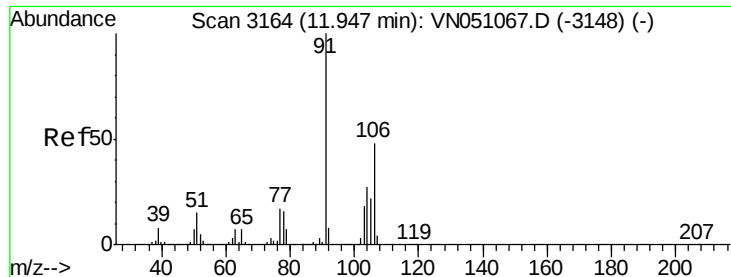
Tgt Ion: 106 Resp: 1436415

Ion Ratio Lower Upper

106 100

91 200.5 159.8 239.6

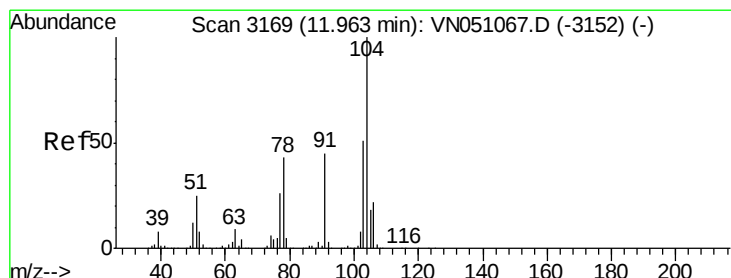
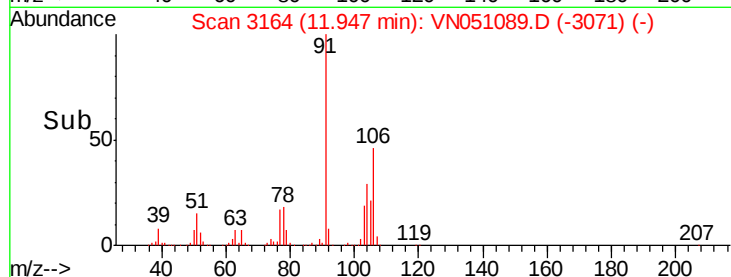
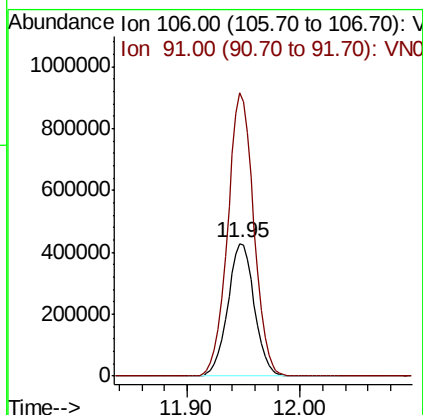
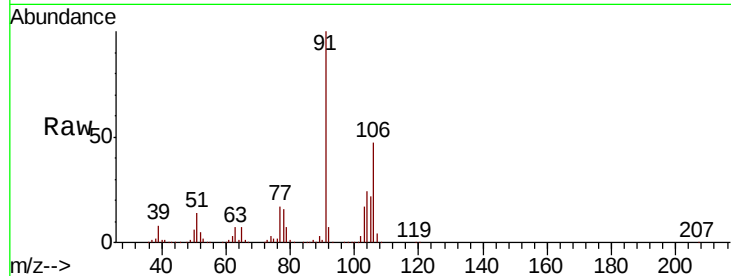




#69
o-Xylene
Concen: 51.95 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

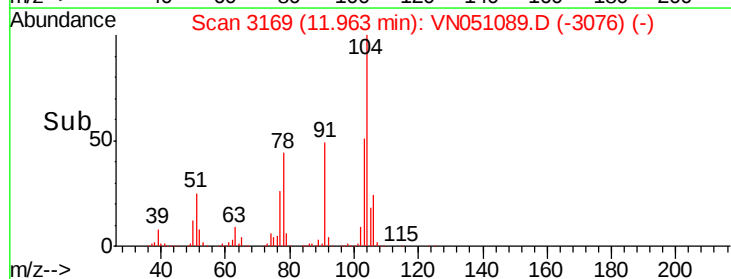
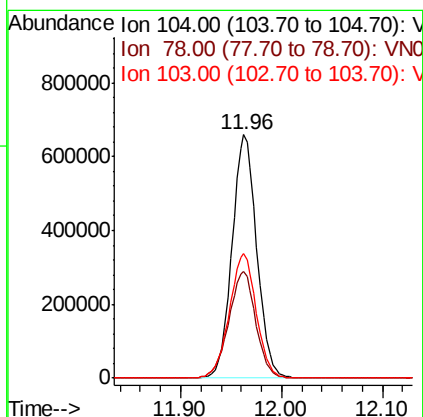
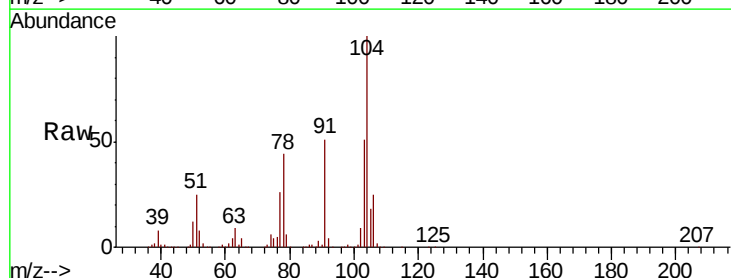
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

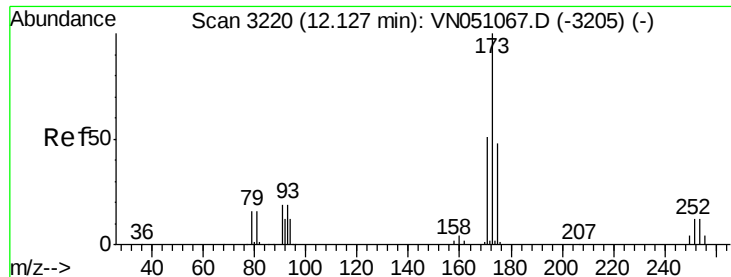
Tot Ion:106 Resp: 696818
Ion Ratio Lower Upper
106 100
91 210.4 105.1 315.1



#70
Styrene
Concen: 54.03 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion:104 Resp: 1124172
Ion Ratio Lower Upper
104 100
78 47.8 37.7 56.5
103 55.7 44.6 67.0

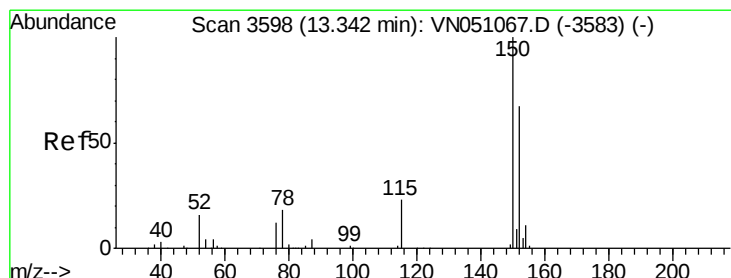
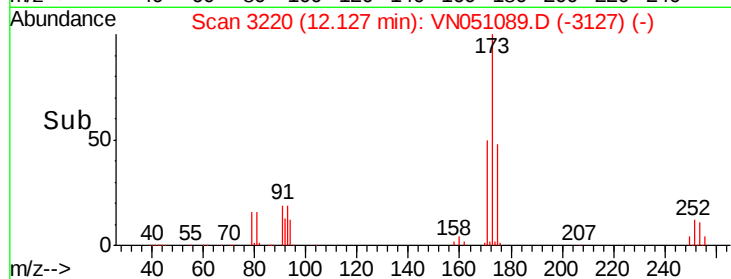
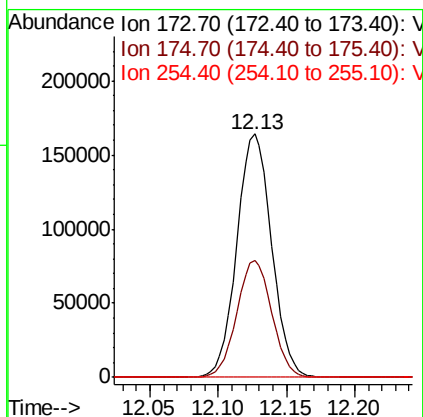
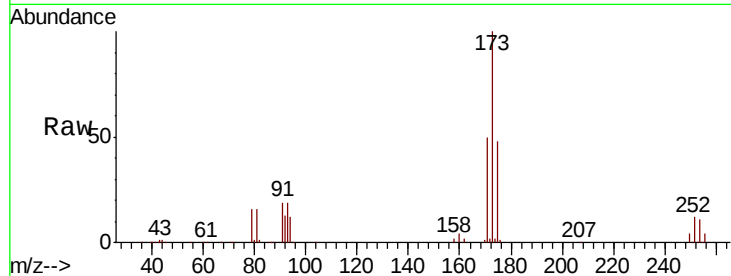




#71
Bromoform
Concen: 51.44 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

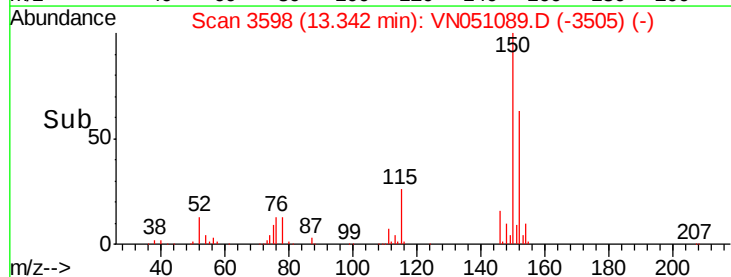
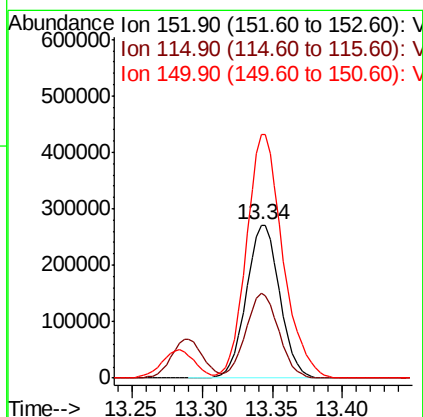
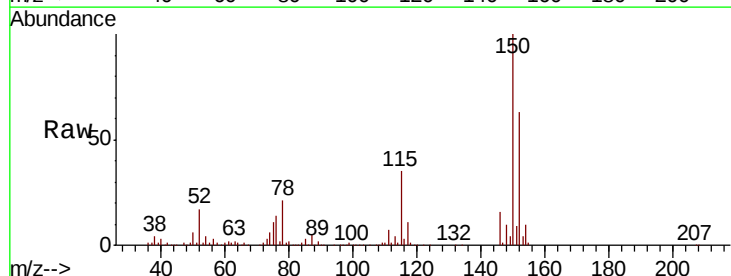
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

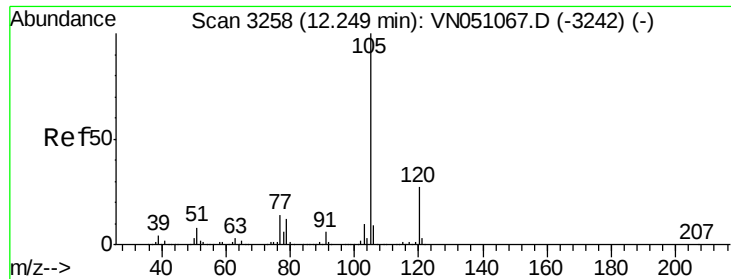
Tot Ion:173 Resp: 290302
Ion Ratio Lower Upper
173 100
175 48.4 24.3 72.9
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion:152 Resp: 449930
Ion Ratio Lower Upper
152 100
115 54.8 28.2 84.7
150 172.7 0.0 349.0





#73

Isopropylbenzene

Concen: 48.13 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

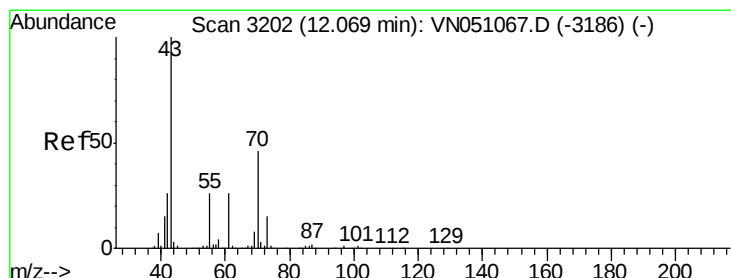
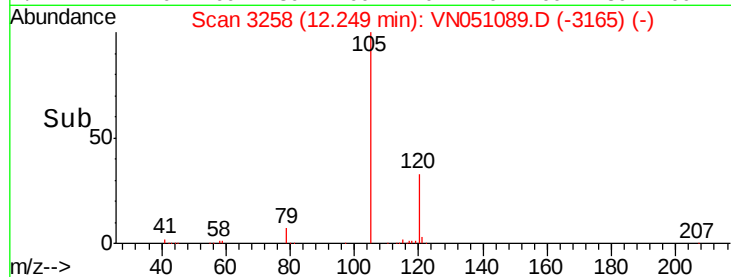
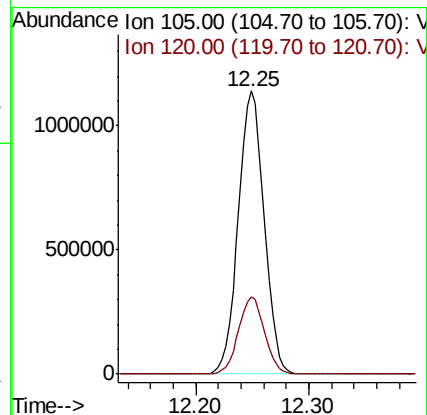
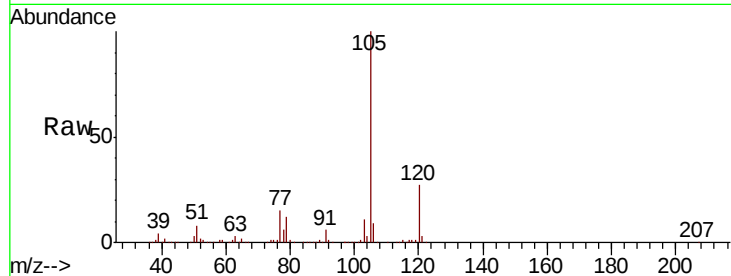
VSTDCCC050

Tot Ion:105 Resp: 1816116

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7



#74

N-ethyl acetate

Concen: 48.97 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Tgt Ion: 43 Resp: 465011

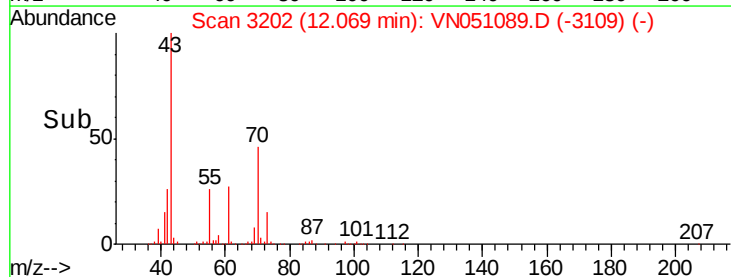
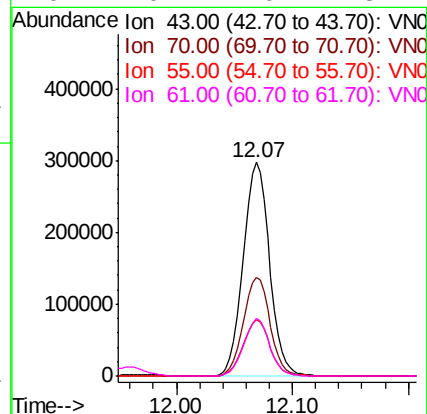
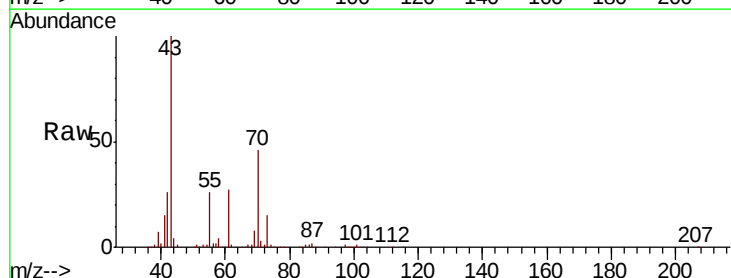
Ion Ratio Lower Upper

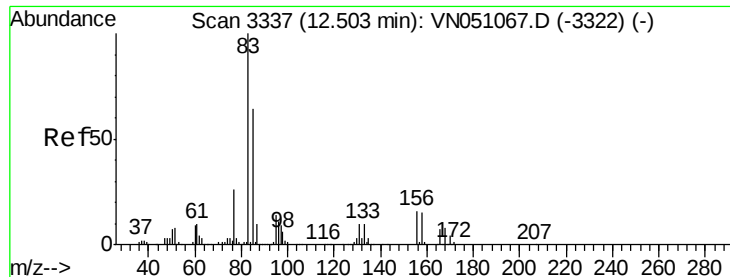
43 100

70 47.0 37.0 55.4

55 27.0 21.3 31.9

61 26.4 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 52.65 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

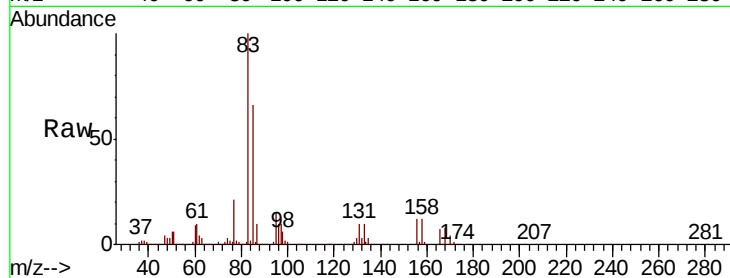
Tot Ion: 83 Resp: 455040

Ion Ratio Lower Upper

83 100

131 10.6 5.3 16.1

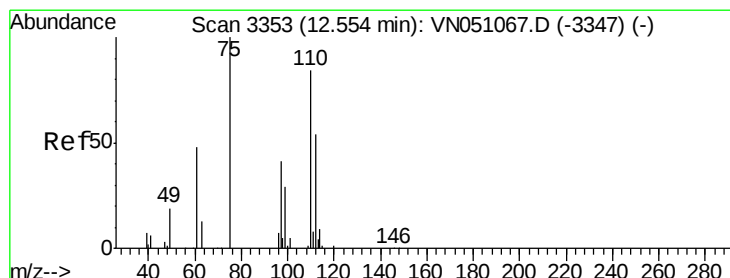
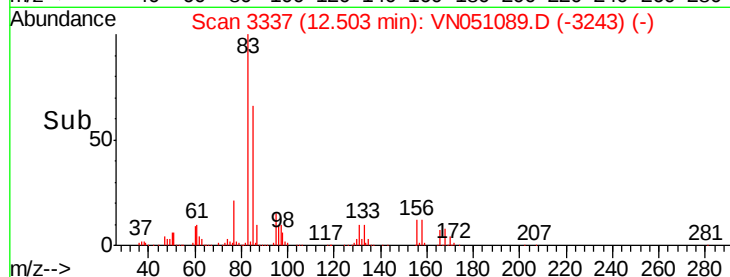
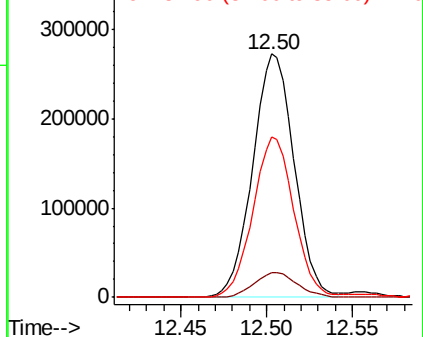
85 64.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 77.58 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051089.D

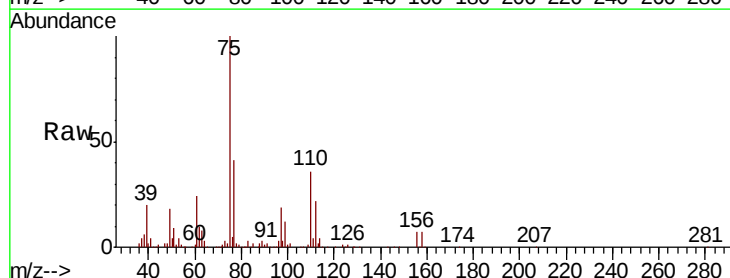
Acq: 10 Sep 2018 20:16

Tgt Ion: 75 Resp: 535427

Ion Ratio Lower Upper

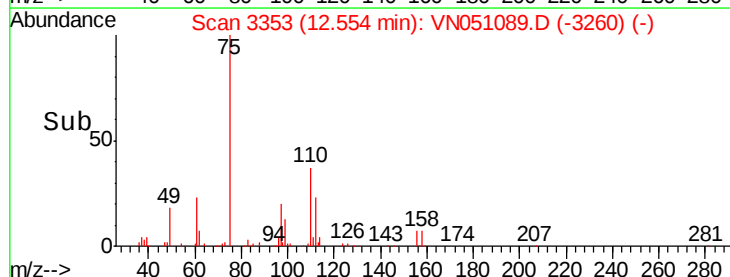
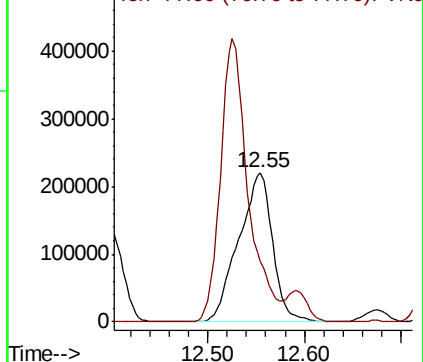
75 100

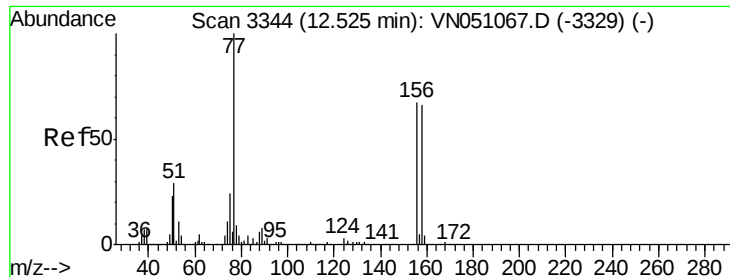
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 46.66 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

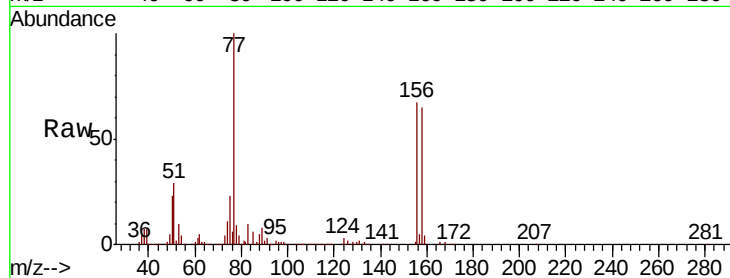
Tot Ion:156 Resp: 472871

Ion Ratio Lower Upper

156 100

77 174.6 87.5 262.6

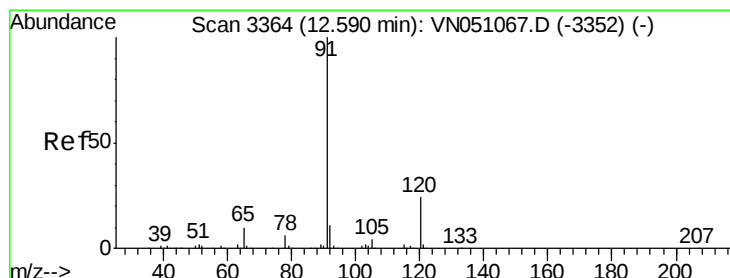
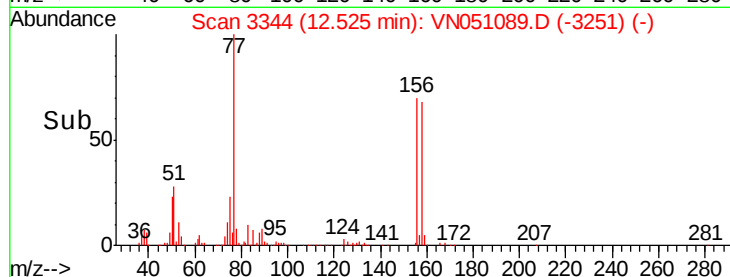
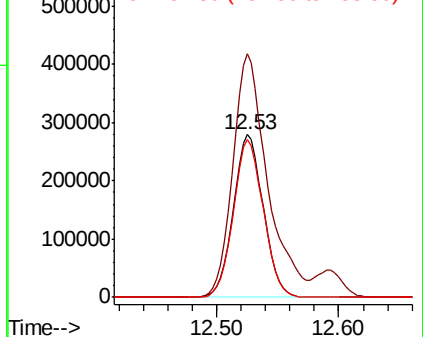
158 97.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.14 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051089.D

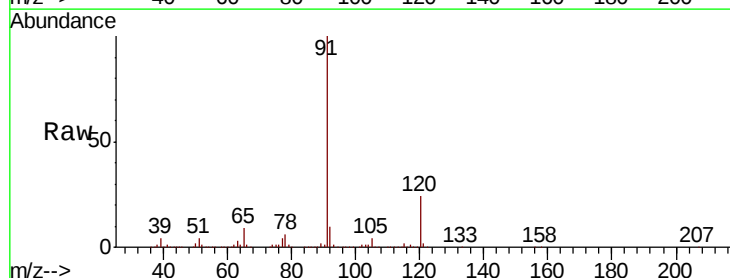
Acq: 10 Sep 2018 20:16

Tgt Ion: 91 Resp: 2037969

Ion Ratio Lower Upper

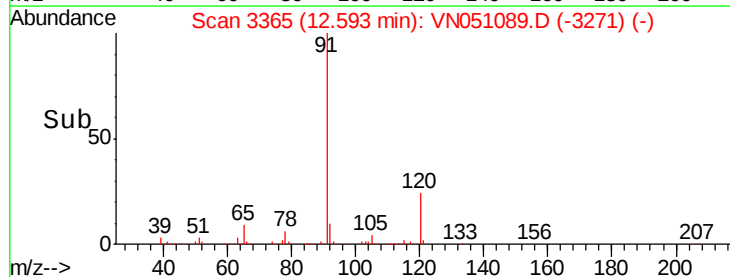
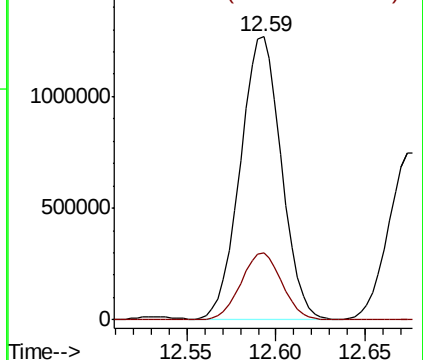
91 100

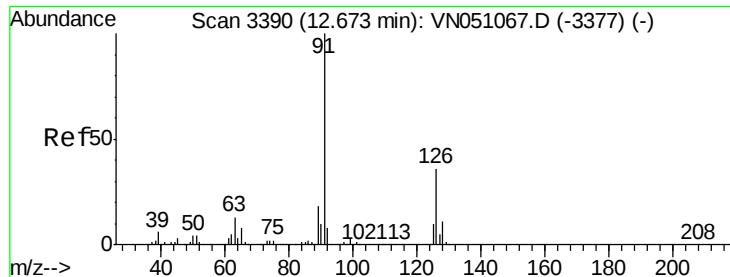
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.44 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampled :

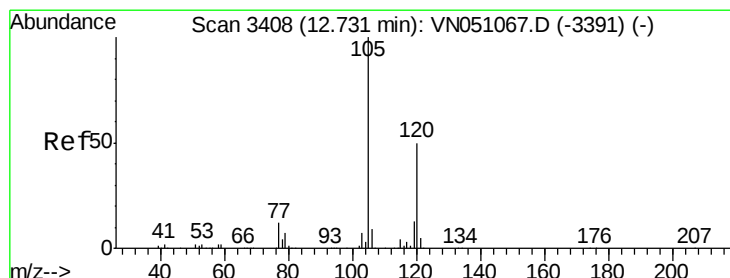
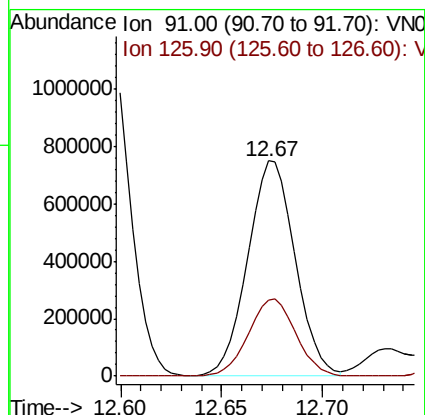
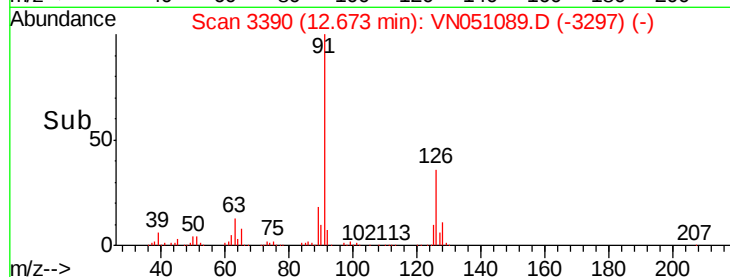
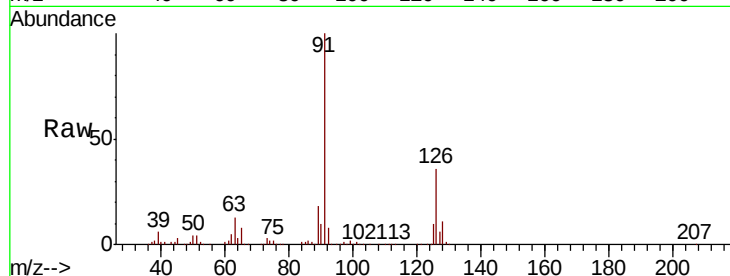
VSTDCCC050

Tot Ion: 91 Resp: 1229868

Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 49.34 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051089.D

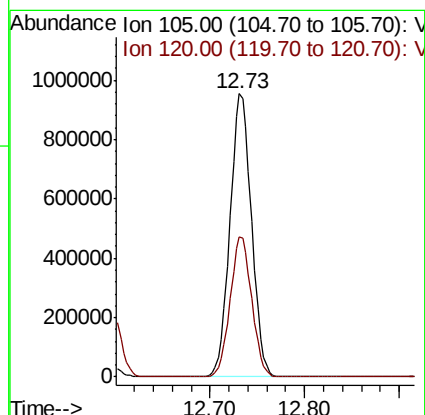
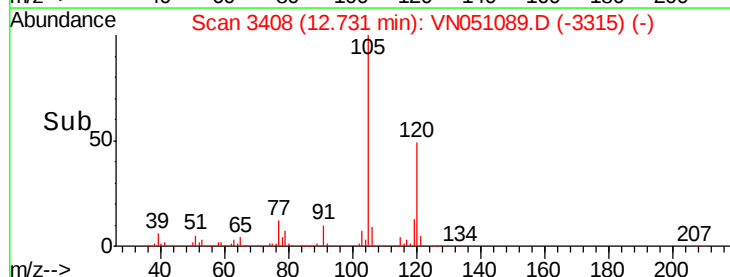
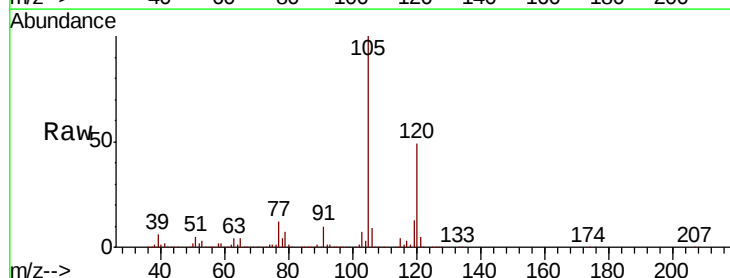
Acq: 10 Sep 2018 20:16

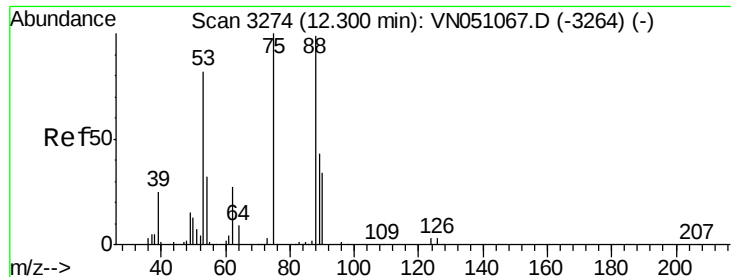
Tgt Ion: 105 Resp: 1505097

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.26 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

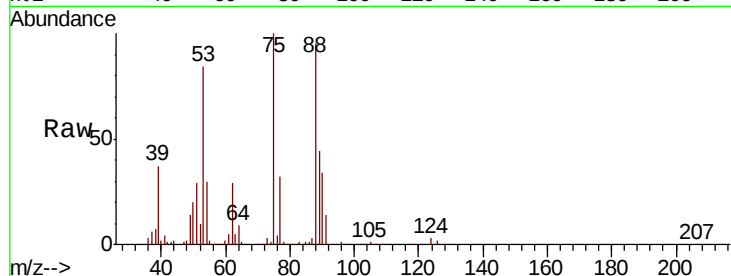
Tot Ion: 75 Resp: 116702

Ion Ratio Lower Upper

75 100

53 82.8 67.8 101.8

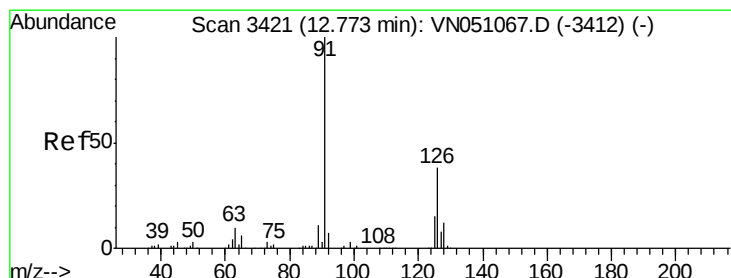
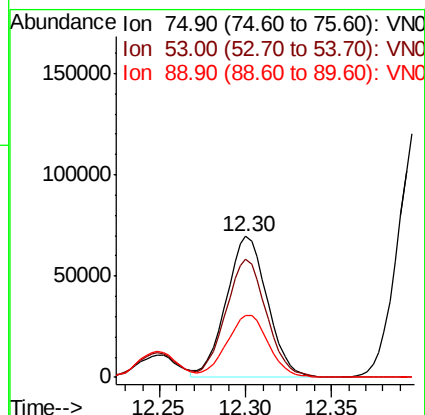
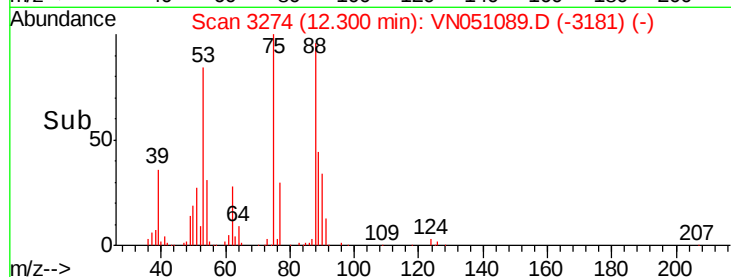
89 44.9 36.0 54.0



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: 47.73 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051089.D

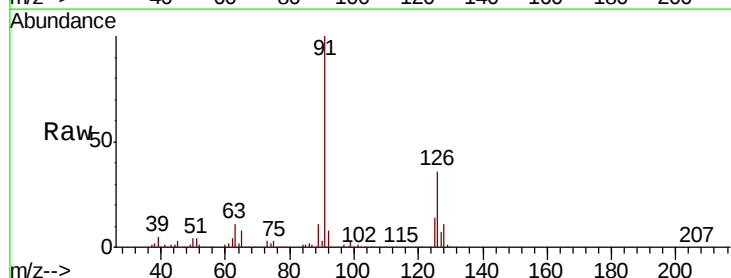
Acq: 10 Sep 2018 20:16

Tgt Ion: 91 Resp: 1228282

Ion Ratio Lower Upper

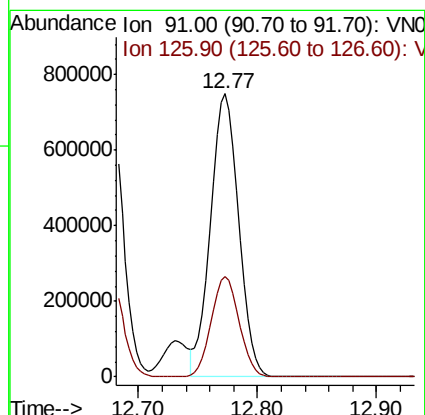
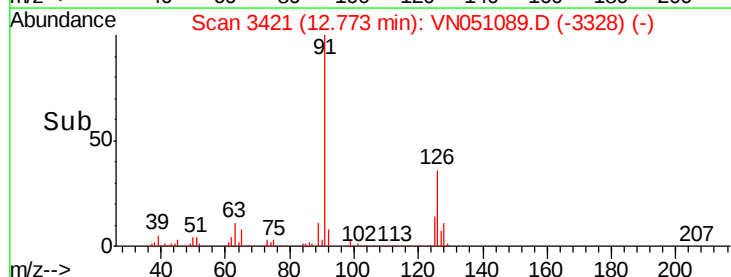
91 100

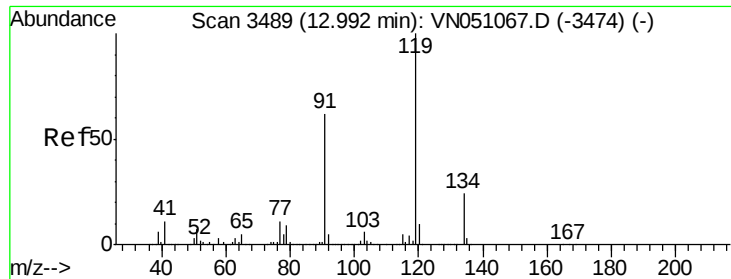
126 35.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

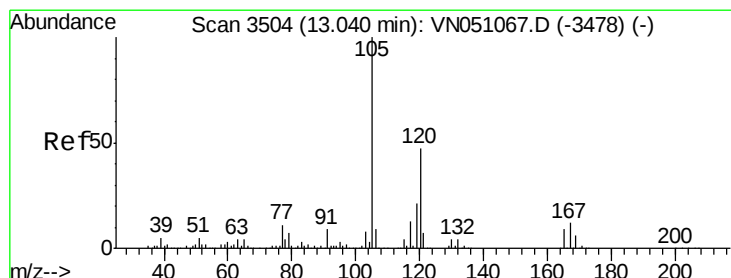
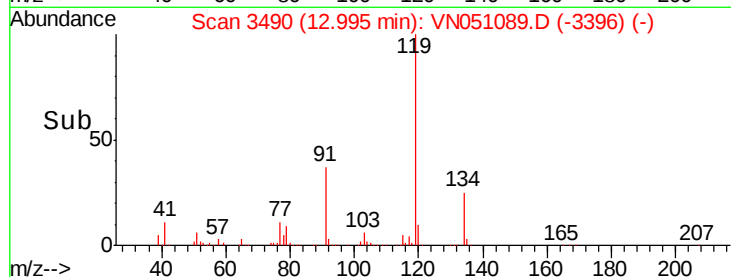
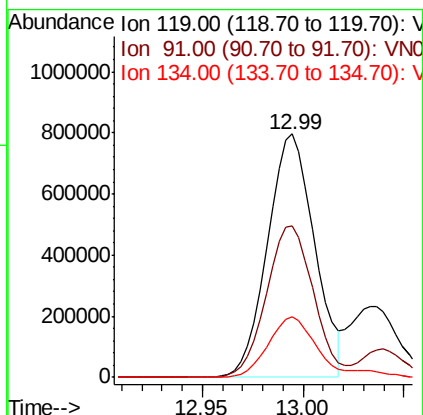
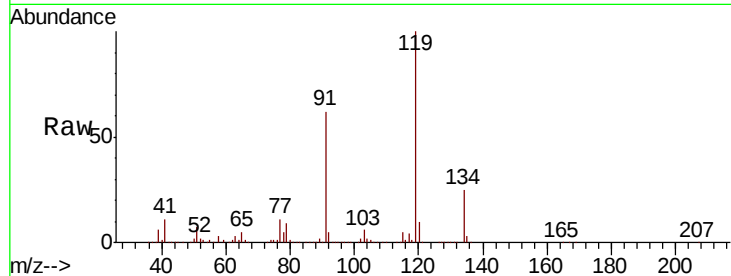




#83
 tert-Butylbenzene
 Concen: 47.78 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

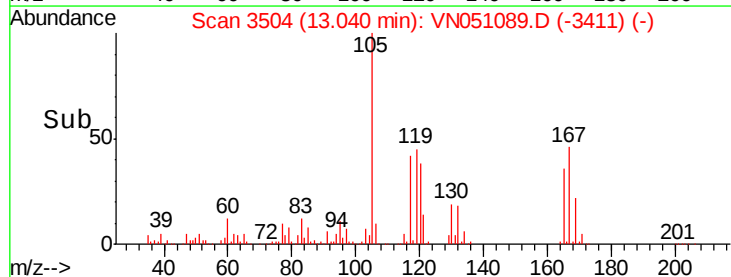
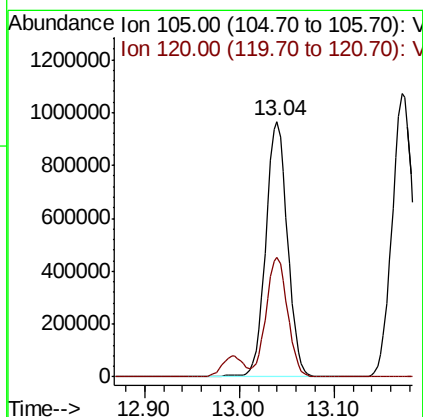
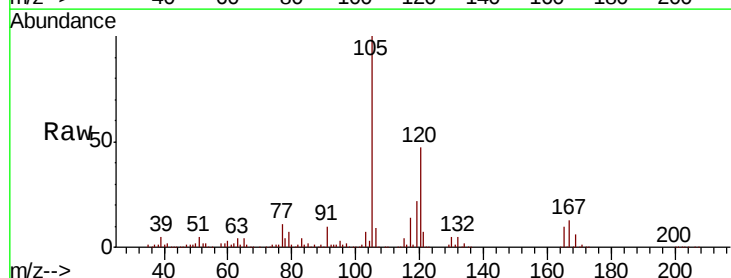
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

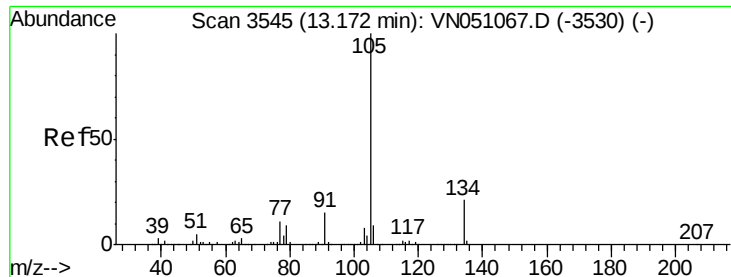
Tot Ion:119 Resp: 1286865
 Ion Ratio Lower Upper
 119 100
 91 62.1 30.8 92.3
 134 24.9 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.85 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion:105 Resp: 1525376
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.3 69.8

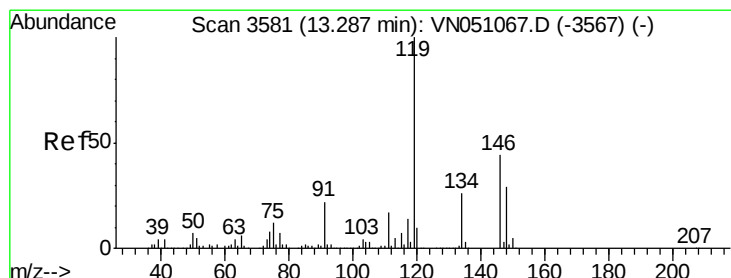
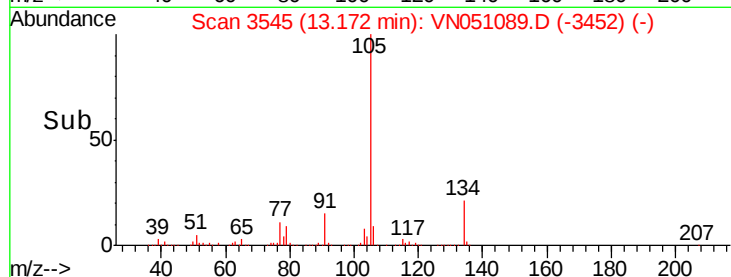
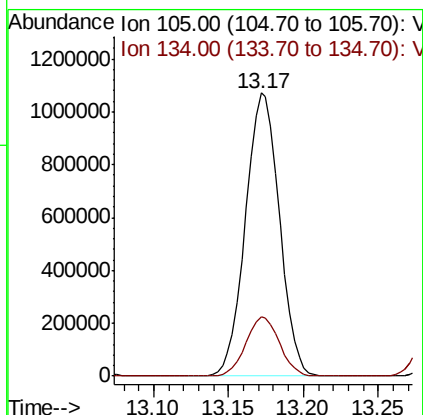
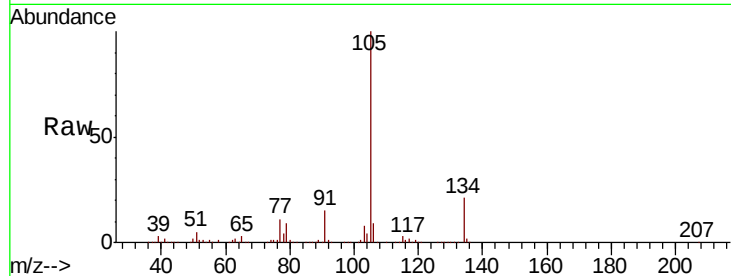




#85
 sec-Butylbenzene
 Concen: 48.95 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

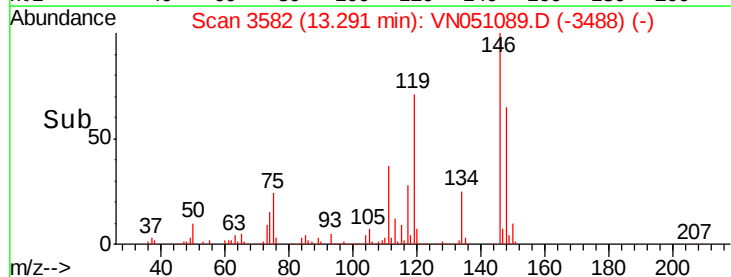
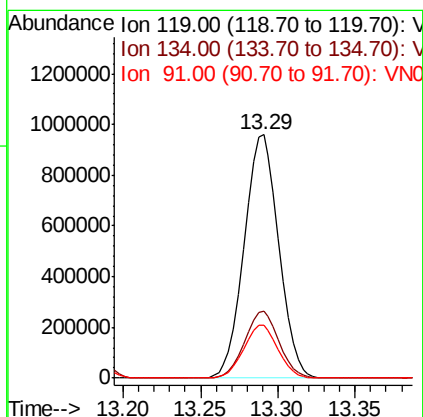
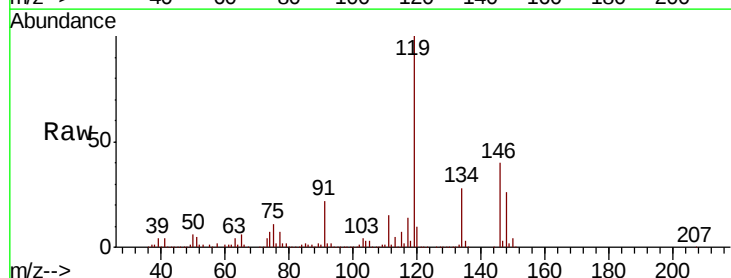
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

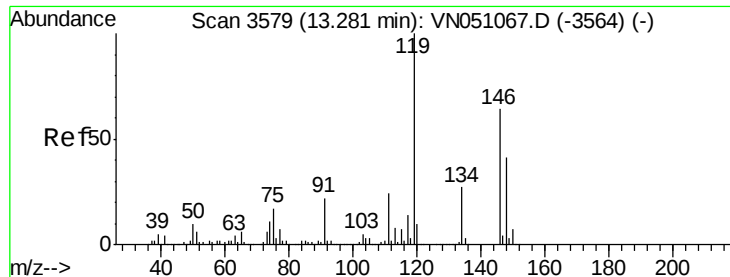
Tot Ion:105 Resp: 1690778
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 50.81 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion:119 Resp: 1488109
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.5 40.4
 91 21.6 10.9 32.9

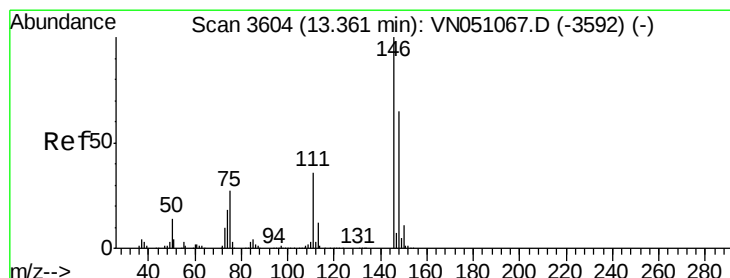
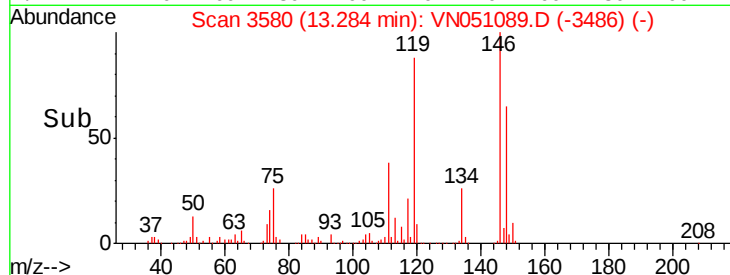
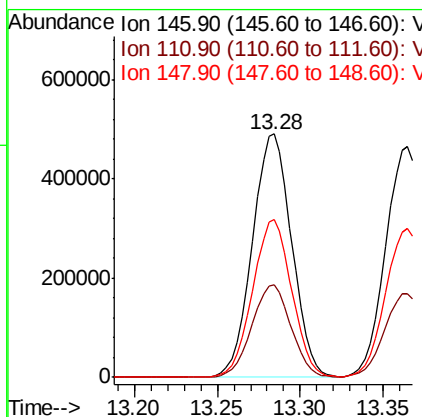
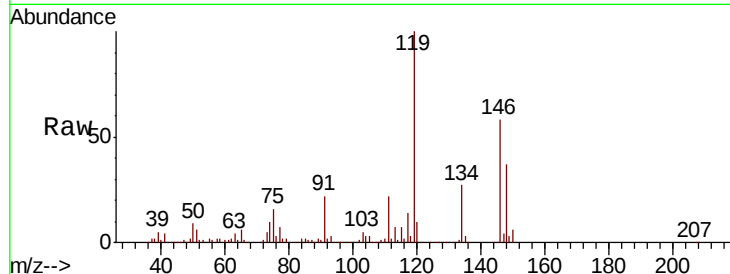




#87
 1,3-Dichlorobenzene
 Concen: 46.89 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

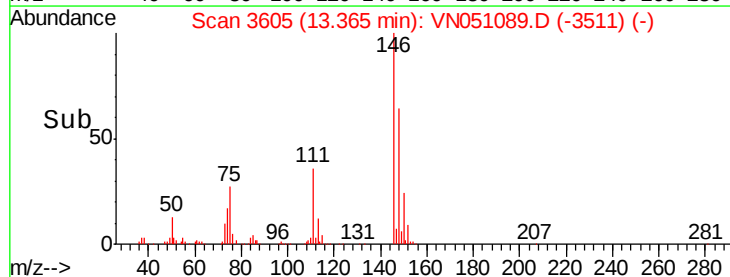
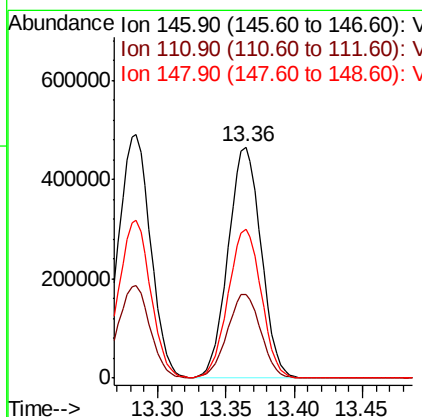
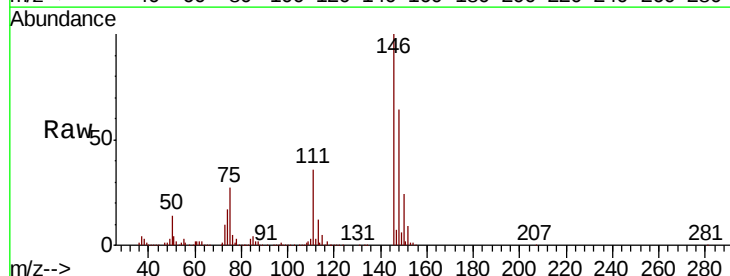
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

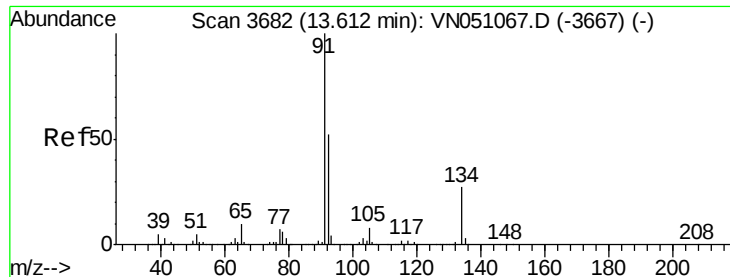
Tot Ion:146 Resp: 806181
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.1
 148 64.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.50 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion:146 Resp: 781370
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.4 55.0
 148 64.5 32.2 96.6





#89

n-Butylbenzene

Concen: 50.17 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

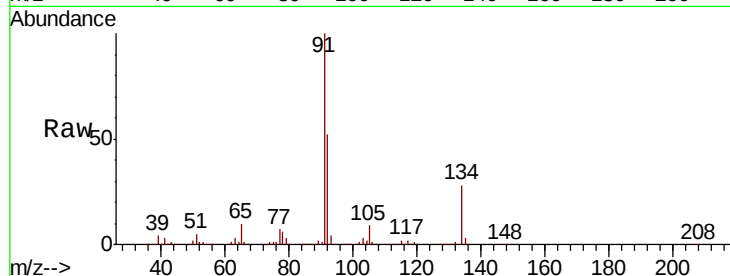
Tot Ion: 91 Resp: 1143427

Ion Ratio Lower Upper

91 100

92 52.0 26.2 78.6

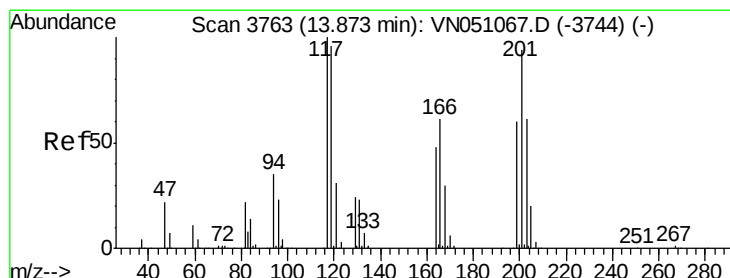
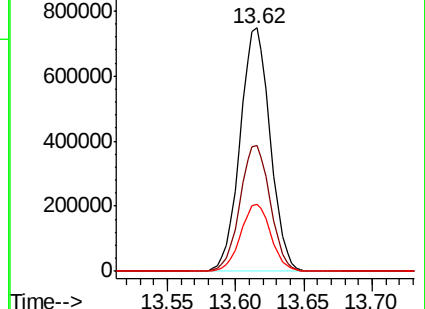
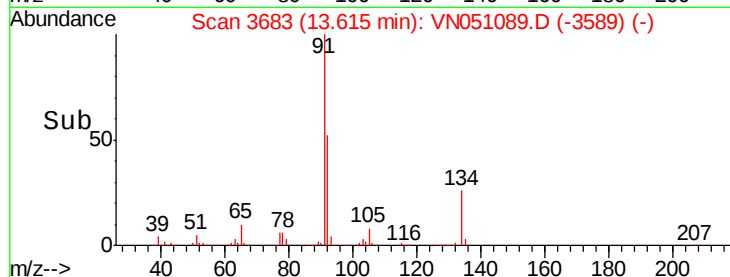
134 27.5 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN051067.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN051067.D (-3667) (-)



#90

Hexachloroethane

Concen: 49.07 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051089.D

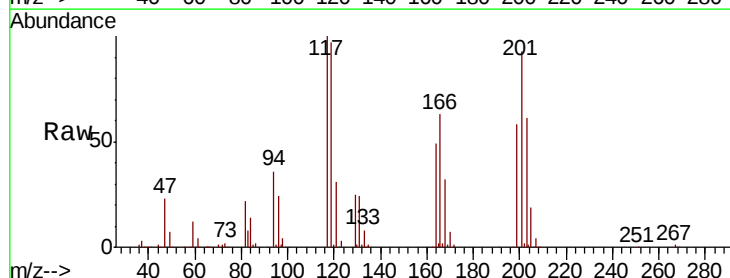
Acq: 10 Sep 2018 20:16

Tgt Ion: 117 Resp: 261693

Ion Ratio Lower Upper

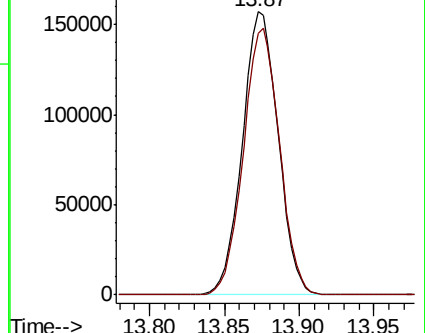
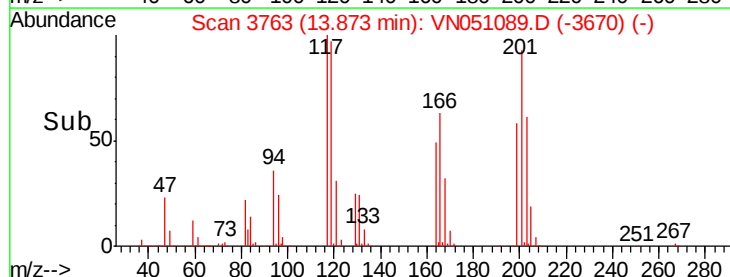
117 100

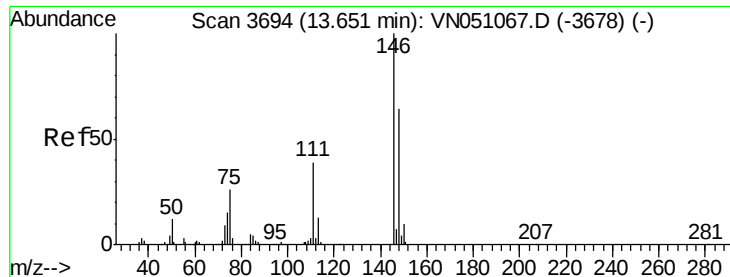
201 94.8 47.3 142.0



Abundance Ion 116.80 (116.50 to 117.50): VN051067.D (-3744) (-)

Ion 200.70 (200.40 to 201.40): VN051067.D (-3744) (-)

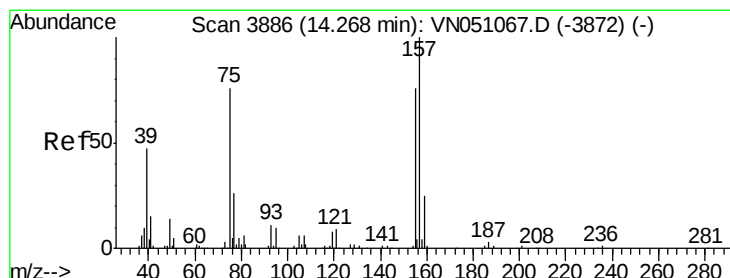
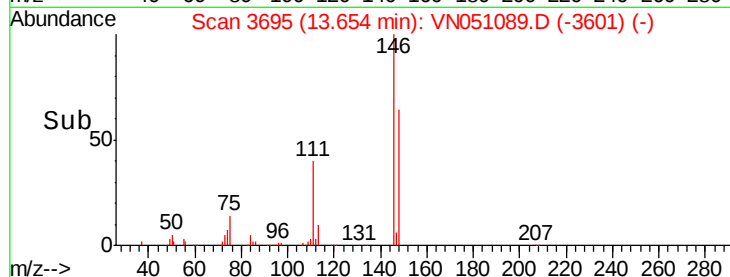
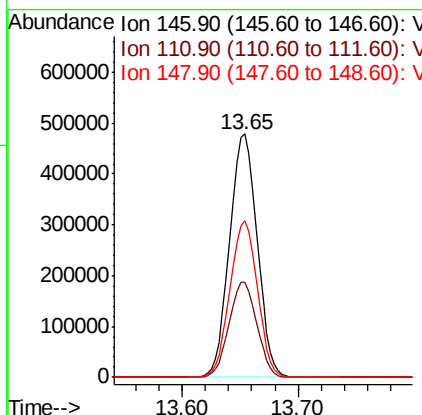
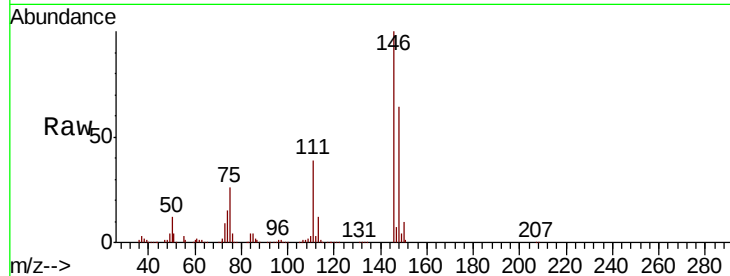




#91
 1,2-Dichlorobenzene
 Concen: 46.93 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

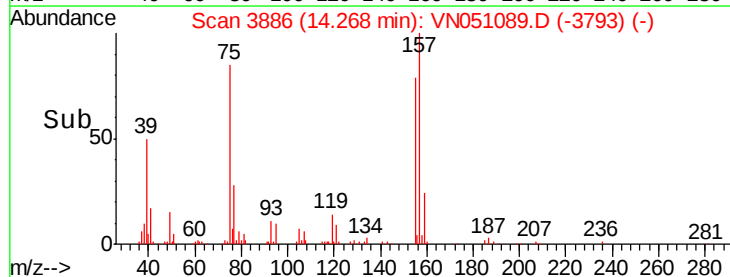
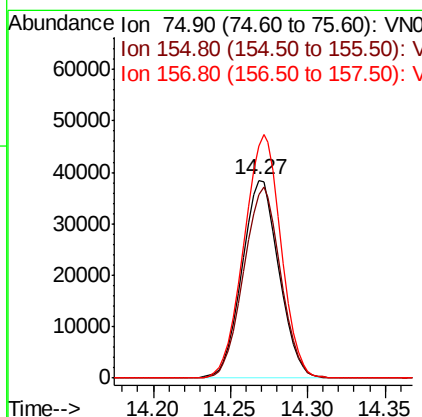
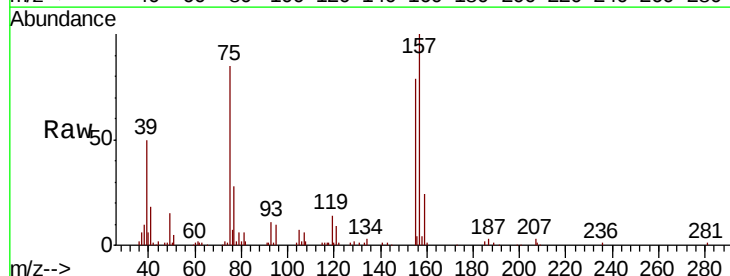
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

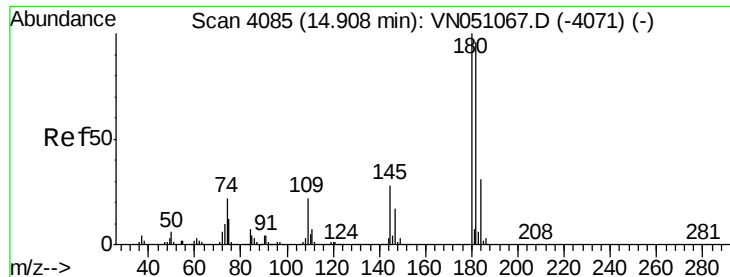
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.1	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.66 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	48.7	146.1
157	123.6	63.6	190.9

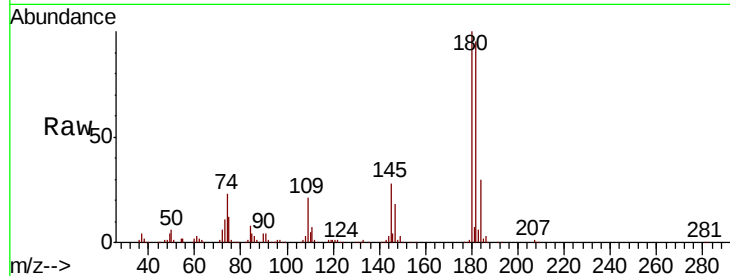




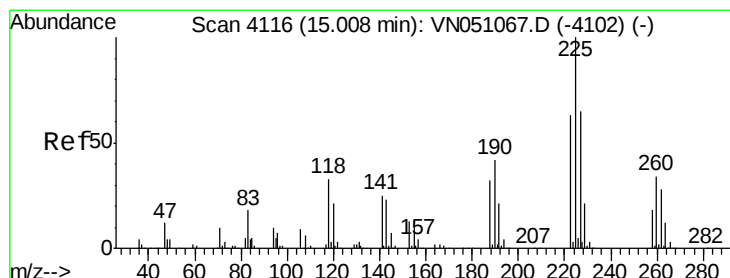
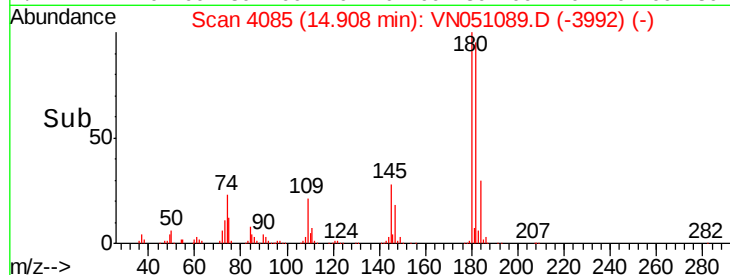
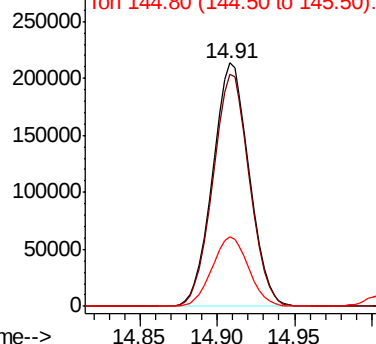
#93
 1,2,4-Trichlorobenzene
 Concen: 43.77 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 350009
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.3 141.8
 145 28.6 14.2 42.6

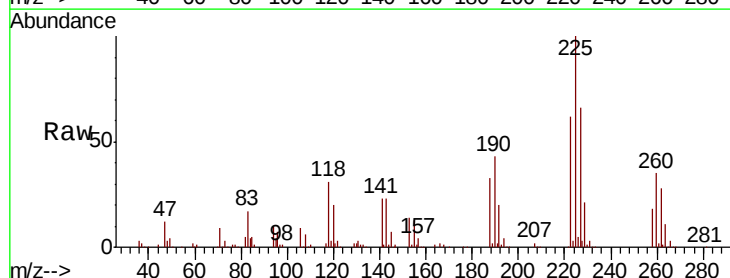


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

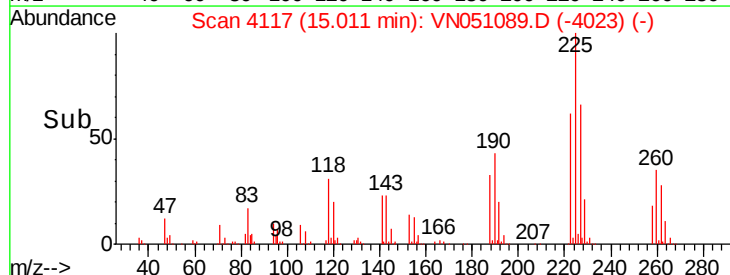
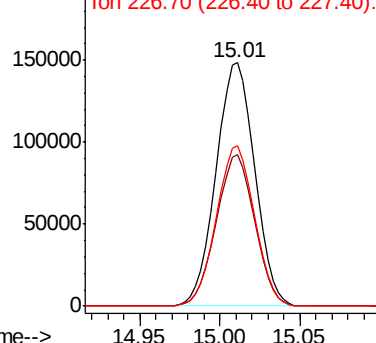


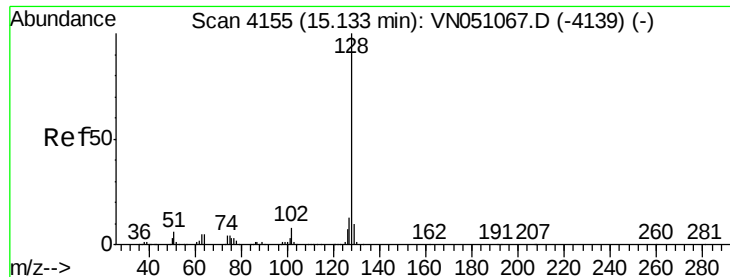
#94
 Hexachlorobutadiene
 Concen: 50.33 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion:225 Resp: 245674
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.4 94.0
 227 64.9 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 42.21 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

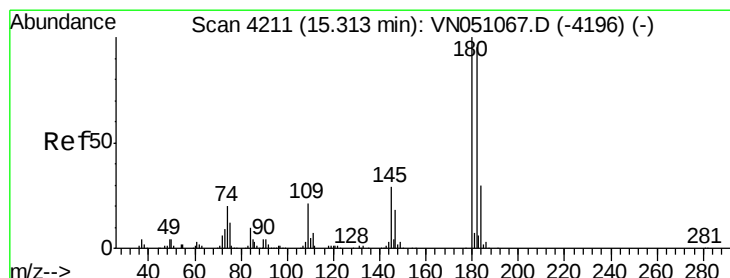
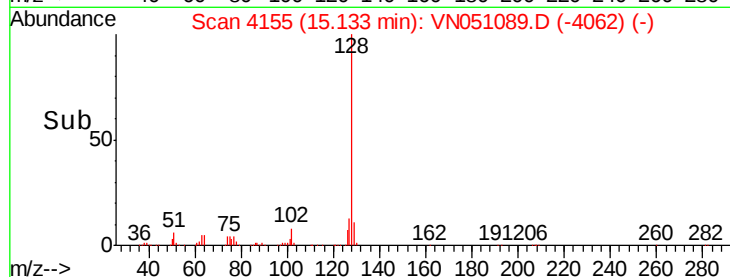
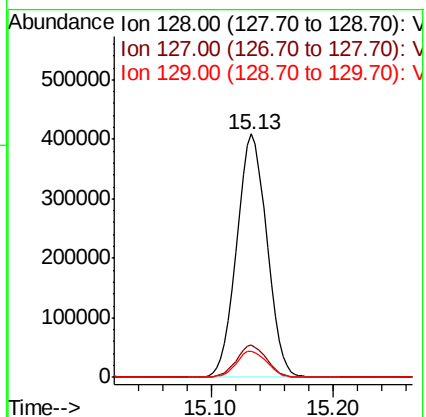
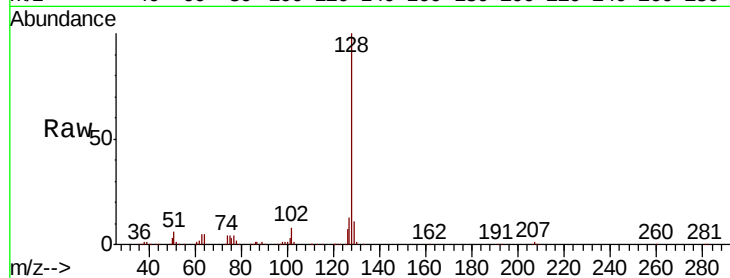
Tot Ion:128 Resp: 698326

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 10.9 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 45.43 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Tgt Ion:180 Resp: 349221

Ion Ratio Lower Upper

180 100

182 95.5 47.8 143.3

145 30.3 14.6 43.8

