

Data File : VN050689.D
Acq On : 16 Aug 2018 9:06
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Aug 17 02:58:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	669170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	915861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	863743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	468017	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	391459	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
35) Dibromofluoromethane	7.59	113	367415	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.09	98	1413629	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.40	95	475673	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	337942	44.796	ug/l	98
3) Chloromethane	2.06	50	434375	47.224	ug/l	100
4) Vinyl Chloride	2.18	62	446790	44.582	ug/l	99
5) Bromomethane	2.56	94	257525	47.716	ug/l	98
6) Chloroethane	2.70	64	272770	48.947	ug/l	99
7) Trichlorofluoromethane	3.01	101	590870	44.934	ug/l	99
8) Diethyl Ether	3.41	74	200248	45.780	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	375005	47.158	ug/l	99
10) Methyl Iodide	3.95	142	272096	48.395	ug/l	100
11) Tert butyl alcohol	4.79	59	103108	223.869	ug/l	100
12) 1,1-Dichloroethene	3.73	96	324897	44.746	ug/l	100
13) Acrolein	3.61	56	29088	162.245	ug/l	96
14) Allyl chloride	4.32	41	529415	46.875	ug/l	99
15) Acrylonitrile	4.99	53	589935	233.217	ug/l	99
16) Acetone	3.81	43	537191	255.093	ug/l	99
17) Carbon Disulfide	4.05	76	1017923	44.549	ug/l	100
18) Methyl Acetate	4.33	43	282560	47.649	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	884673	47.873	ug/l	100
20) Methylene Chloride	4.55	84	390171	48.631	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	365758	46.465	ug/l	97
22) Diisopropyl ether	5.95	45	1132755	48.918	ug/l	98
23) Vinyl Acetate	5.90	43	3735086	246.576	ug/l	99
24) 1,1-Dichloroethane	5.85	63	675556	45.087	ug/l	99
25) 2-Butanone	6.84	43	845287	244.415	ug/l	100
26) 2,2-Dichloropropane	6.82	77	562596	56.096	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	409060	46.667	ug/l	98
28) Bromochloromethane	7.19	49	328408	48.161	ug/l	99
29) Tetrahydrofuran	7.21	42	431406	238.904	ug/l	100
30) Chloroform	7.37	83	680273	44.802	ug/l	99
31) Cyclohexane	7.65	56	615765	48.146	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	580149	45.393	ug/l	99
36) 1,1-Dichloropropene	7.79	75	536254	52.599	ug/l	99
37) Ethyl Acetate	6.93	43	299909	52.041	ug/l	100
38) Carbon Tetrachloride	7.77	117	523634	49.510	ug/l	99

Data File : VN050689.D
Acq On : 16 Aug 2018 9:06
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Aug 17 02:58:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	594982	56.368	ug/l	98
40) Benzene	8.04	78	1584697	51.094	ug/l	99
41) Methacrylonitrile	7.17	41	145755	46.783	ug/l	91
42) 1,2-Dichloroethane	8.13	62	476933	50.172	ug/l	100
43) Isopropyl Acetate	8.17	43	520705	49.580	ug/l	99
44) Trichloroethene	8.83	130	414017	49.833	ug/l	99
45) 1,2-Dichloropropane	9.12	63	418979	50.742	ug/l	99
46) Dibromomethane	9.21	93	242915	49.823	ug/l	98
47) Bromodichloromethane	9.40	83	518120	49.718	ug/l	99
48) Methyl methacrylate	9.20	41	262300	49.634	ug/l	98
49) 1,4-Dioxane	9.20	88	72452	1040.702	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1874116	263.853	ug/l	100
52) Toluene	10.16	92	995179	53.740	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	529674	54.568	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	609671	54.751	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	348897	50.431	ug/l	99
56) Ethyl methacrylate	10.43	69	430976	48.878	ug/l	99
57) 1,3-Dichloropropane	10.71	76	583774	51.471	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1028234	243.513	ug/l	99
59) 2-Hexanone	10.75	43	1281605	279.561	ug/l	99
60) Dibromochloromethane	10.90	129	392214	51.369	ug/l	99
61) 1,2-Dibromoethane	11.00	107	340845	51.734	ug/l	100
64) Tetrachloroethene	10.63	164	384173	47.893	ug/l	99
65) Chlorobenzene	11.43	112	1082115	50.340	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	396135	49.160	ug/l	100
67) Ethyl Benzene	11.51	91	1873254	53.969	ug/l	100
68) m/p-Xylenes	11.62	106	1465355	110.381	ug/l	100
69) o-Xylene	11.95	106	685670	54.168	ug/l	99
70) Styrene	11.96	104	1156895	51.364	ug/l	99
71) Bromoform	12.13	173	270597	50.642	ug/l #	100
73) Isopropylbenzene	12.25	105	1852524	50.662	ug/l	99
74) N-amyl acetate	12.07	43	461910	48.554	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	432839	51.033	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	524932	69.827	ug/l #	100
77) Bromobenzene	12.53	156	470371	47.379	ug/l	100
78) n-propylbenzene	12.59	91	2158305	52.932	ug/l	99
79) 2-Chlorotoluene	12.67	91	1264087	49.725	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1546234	52.813	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	112884	53.623	ug/l	98
82) 4-Chlorotoluene	12.77	91	1297173	51.636	ug/l	100
83) tert-Butylbenzene	12.99	119	1302589	51.255	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1576585	53.652	ug/l	100
85) sec-Butylbenzene	13.17	105	1768903	53.262	ug/l	100
86) p-Isopropyltoluene	13.29	119	1559980	55.434	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	841614	49.798	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	822479	49.033	ug/l	100
89) n-Butylbenzene	13.62	91	1283812	56.495	ug/l	99
90) Hexachloroethane	13.88	117	271465	47.973	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	802315	48.659	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61936	47.472	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081618\
Quantitation Report (Not Reviewed)

Data File : VN050689.D
Acq On : 16 Aug 2018 9:06
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Aug 17 02:58:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

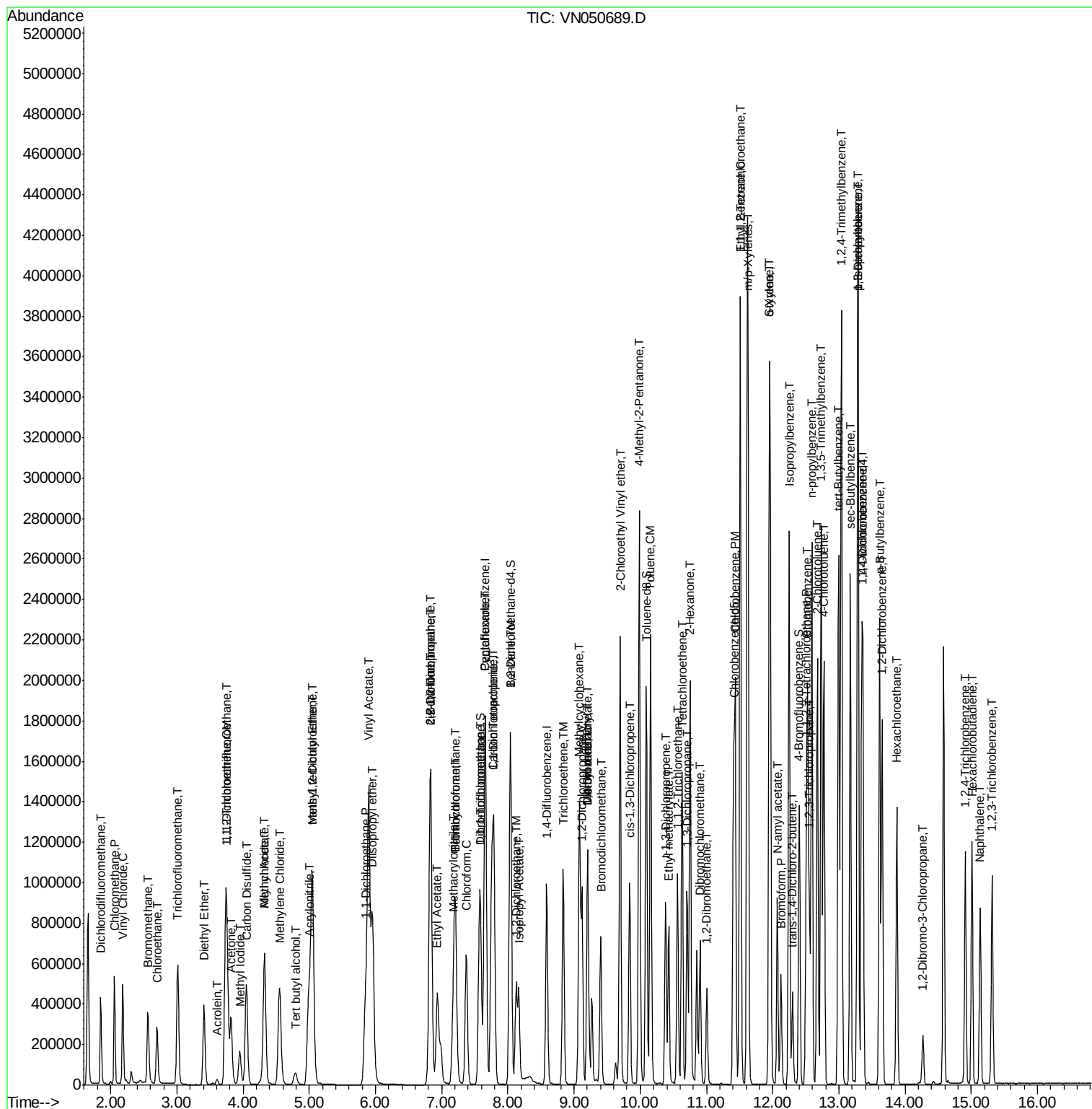
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	400070	47.425	ug/l	100
94) Hexachlorobutadiene	15.01	225	252951	50.037	ug/l	99
95) Naphthalene	15.13	128	769963	43.330	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	379887	48.137	ug/l	98

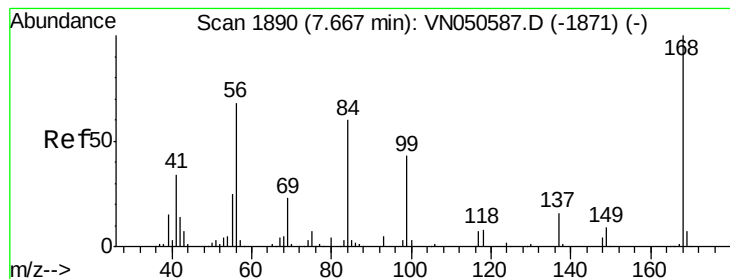
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VN050689.D
Acq On : 16 Aug 2018 9:06
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Aug 17 02:58:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

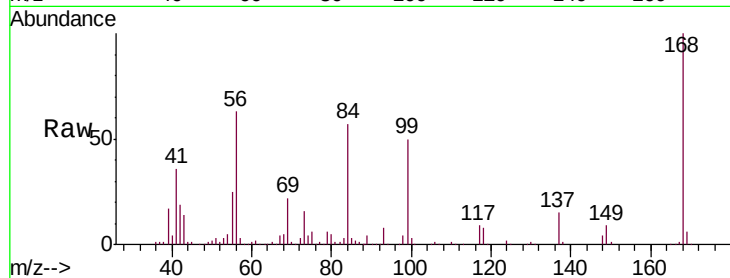
VSTDCCC050

Tgt Ion:168 Resp: 669170

Ion Ratio Lower Upper

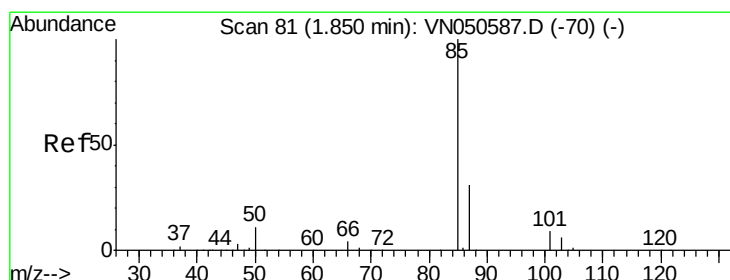
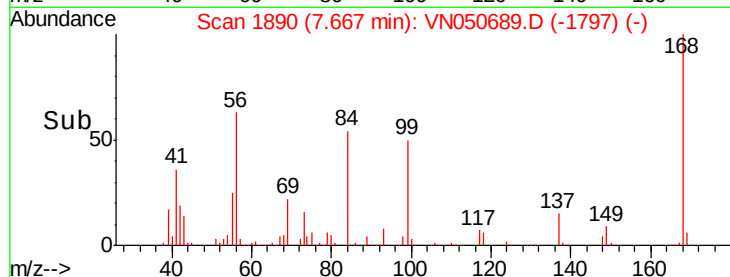
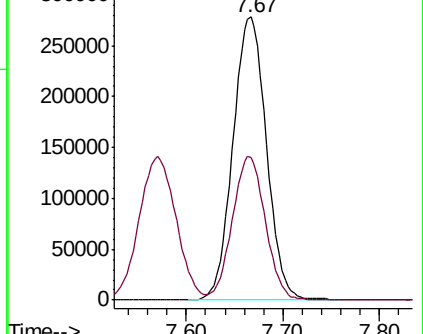
168 100

99 50.3 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 44.796 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050689.D

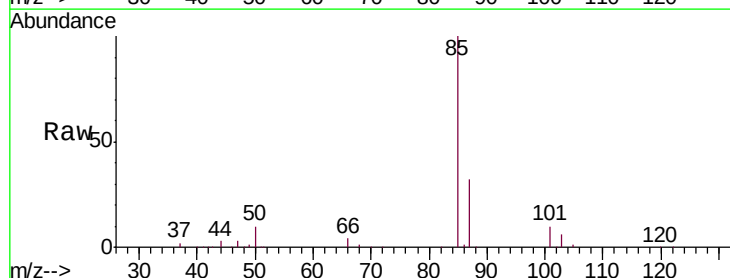
Acq: 16 Aug 2018 9:06

Tgt Ion: 85 Resp: 337942

Ion Ratio Lower Upper

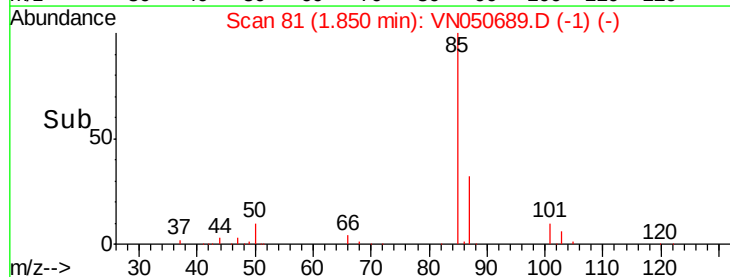
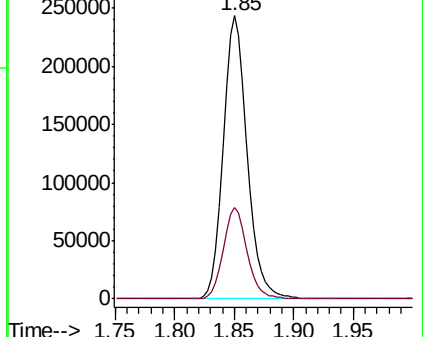
85 100

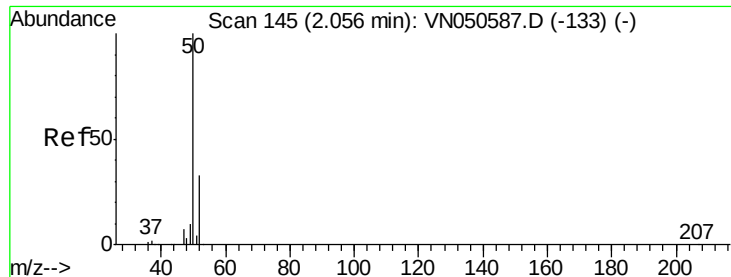
87 32.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 47.224 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

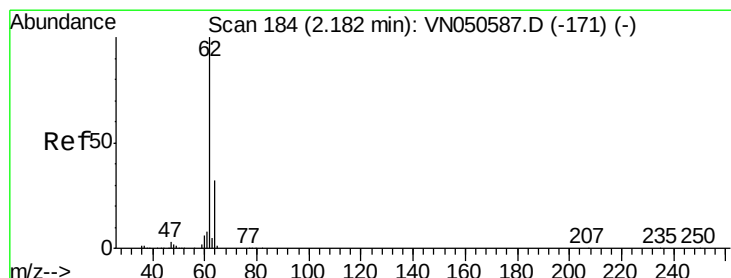
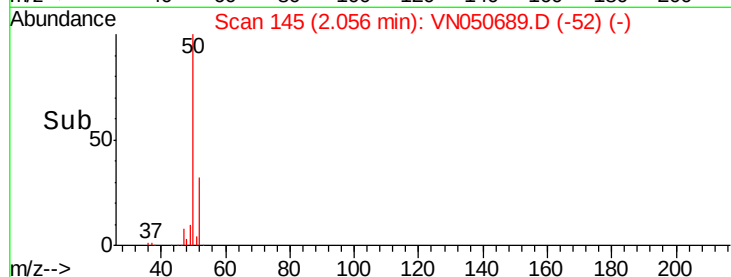
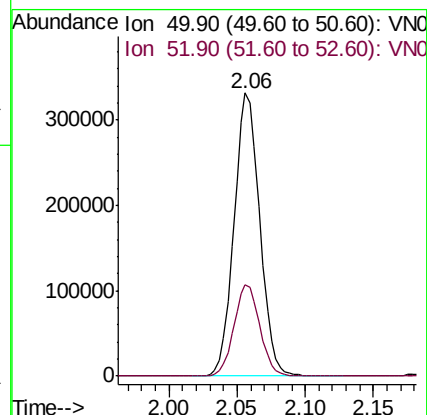
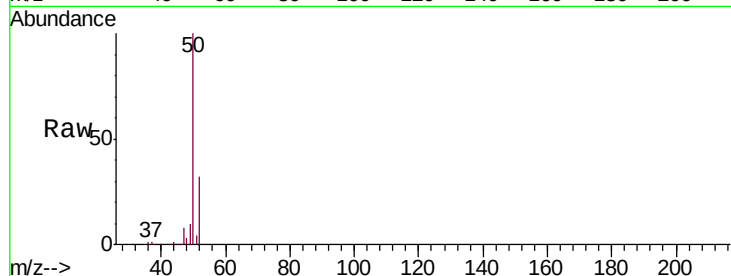
VSTDCCC050

Tgt Ion: 50 Resp: 434375

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



#4

Vinyl Chloride

Concen: 44.582 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050689.D

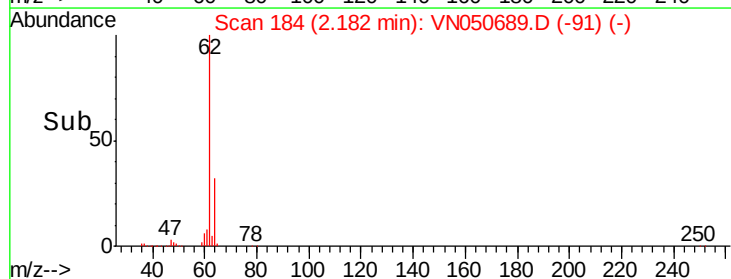
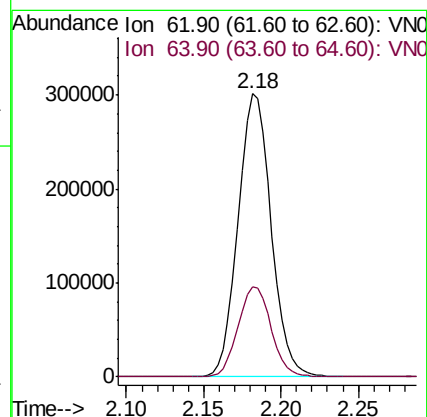
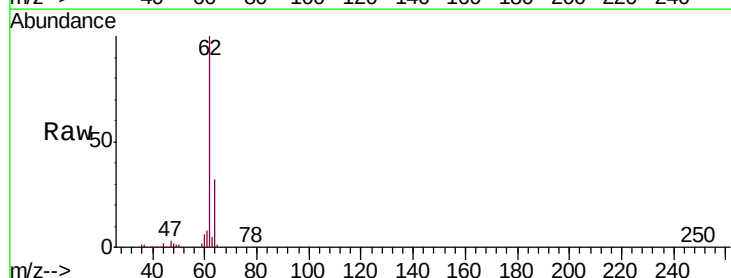
Acq: 16 Aug 2018 9:06

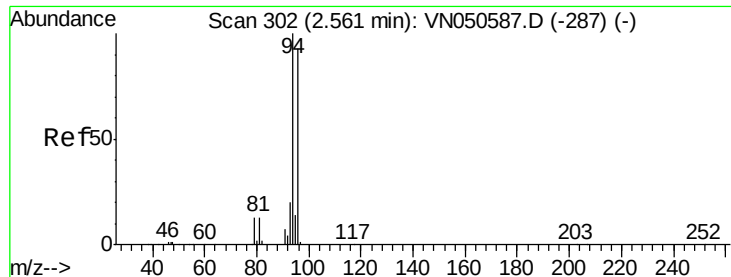
Tgt Ion: 62 Resp: 446790

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8





#5

Bromomethane

Concen: 47.716 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

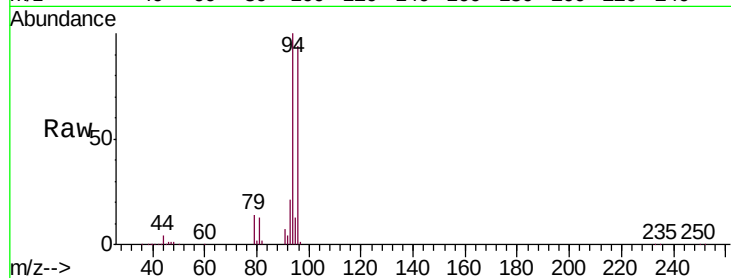
VSTDCCC050

Tgt Ion: 94 Resp: 257525

Ion Ratio Lower Upper

94 100

96 93.9 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

150000

100000

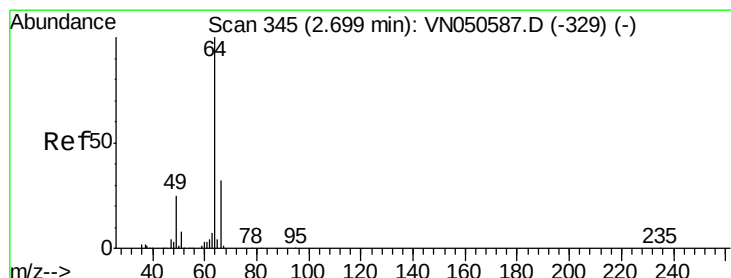
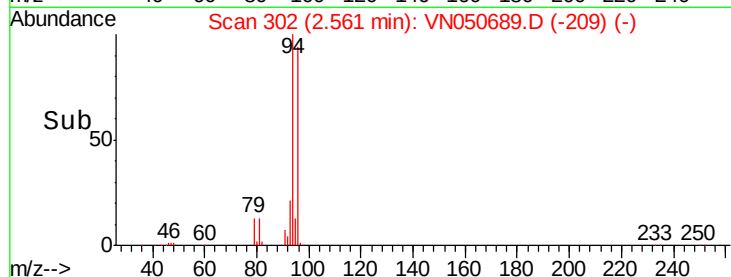
50000

0

Time-->

2.50

2.60



#6

Chloroethane

Concen: 48.947 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050689.D

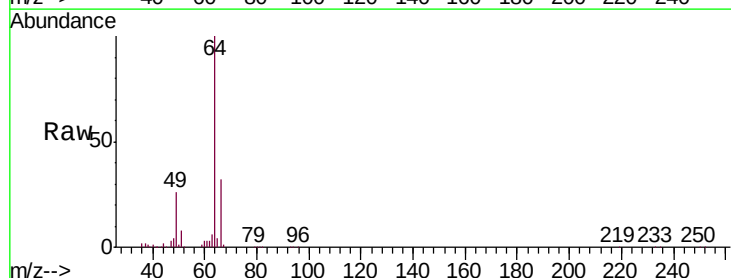
Acq: 16 Aug 2018 9:06

Tgt Ion: 64 Resp: 272770

Ion Ratio Lower Upper

64 100

66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

150000

100000

50000

0

Time-->

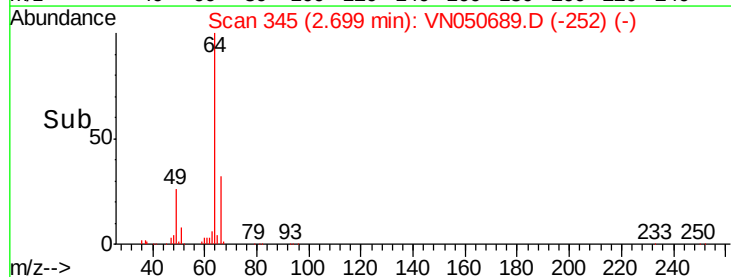
2.60

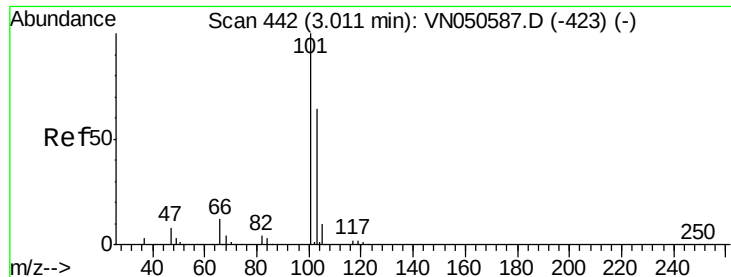
2.65

2.70

2.75

2.80



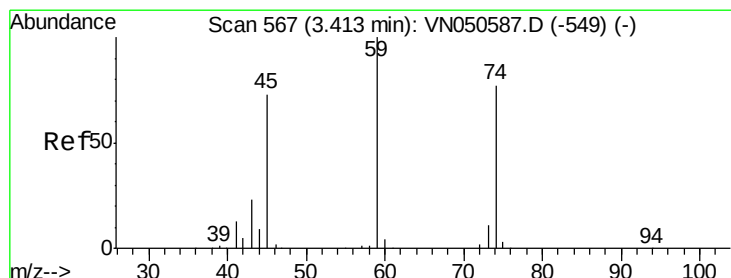
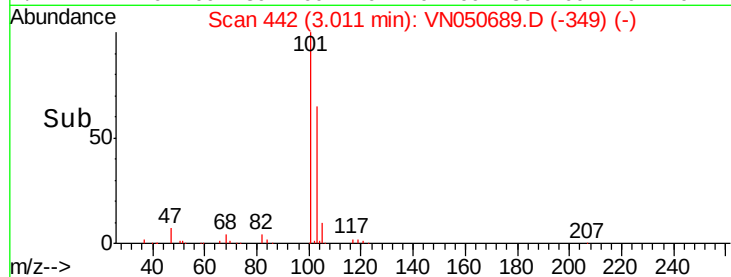
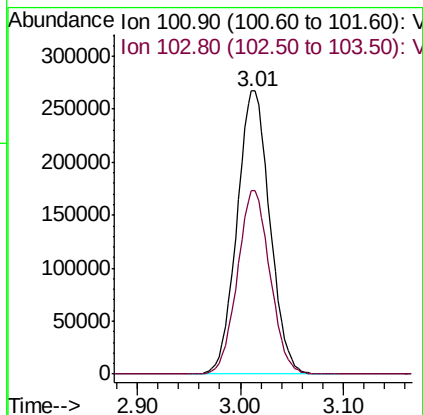
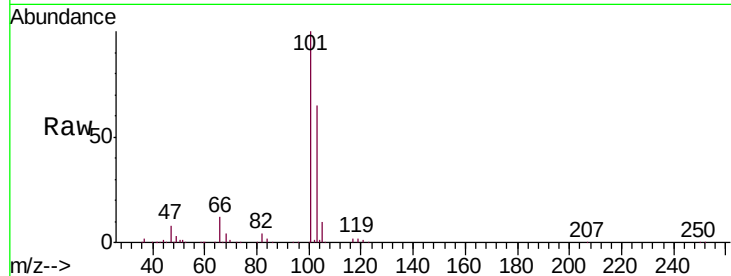


#7

Trichlorofluoromethane
 Concen: 44.934 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

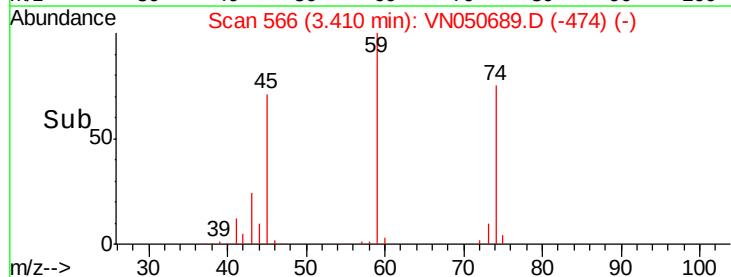
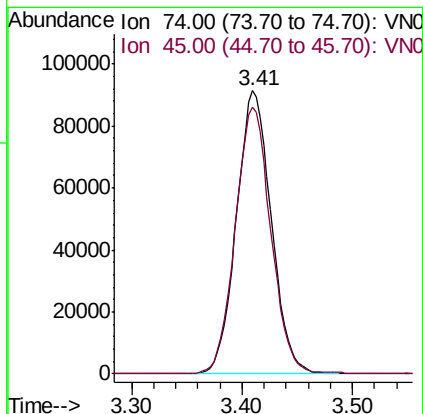
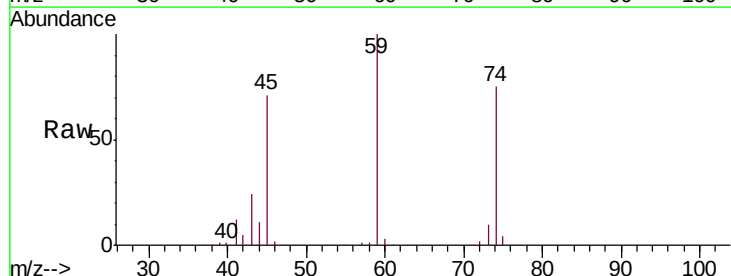
Tgt Ion: 101 Resp: 590870
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.4 77.0

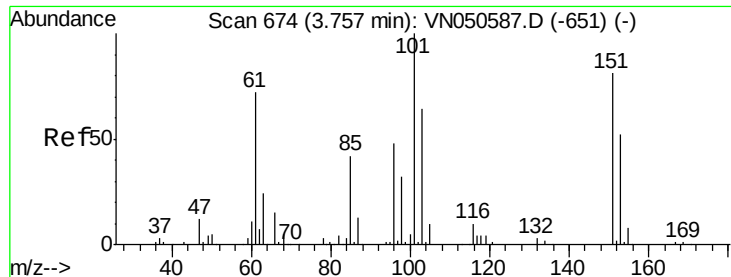


#8

Diethyl Ether
 Concen: 45.780 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Tgt Ion: 74 Resp: 200248
 Ion Ratio Lower Upper
 74 100
 45 95.2 48.0 144.2

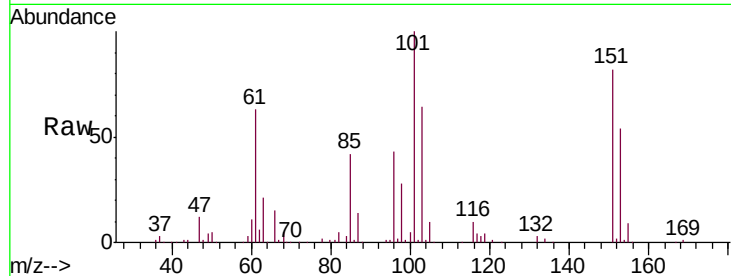




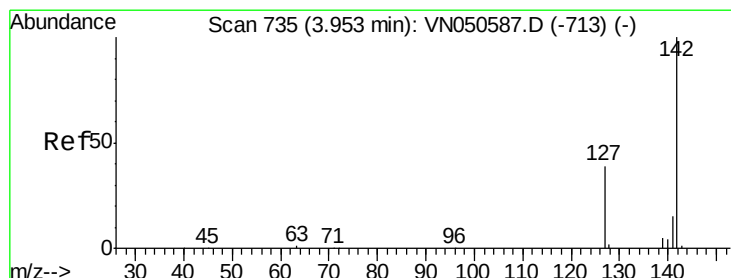
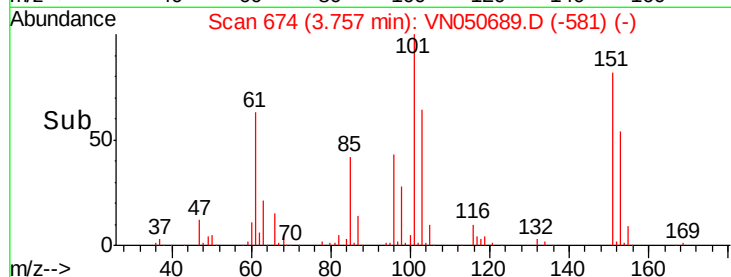
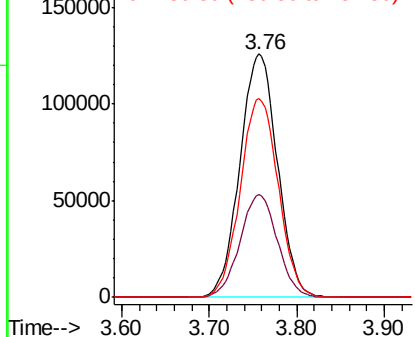
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.158 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:101 Resp: 375005
 Ion Ratio Lower Upper
 101 100
 85 42.0 33.4 50.0
 151 82.7 66.6 100.0

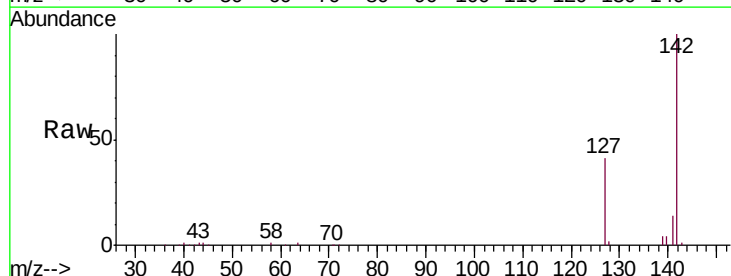


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

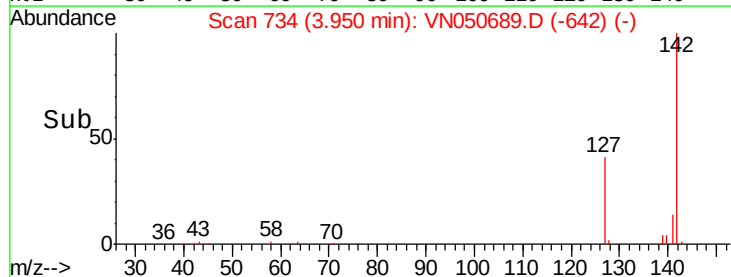
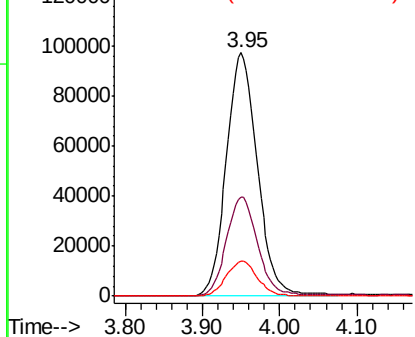


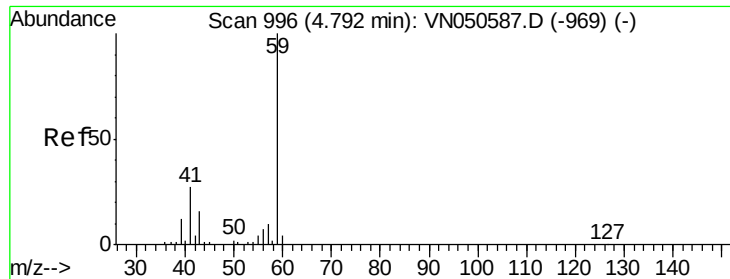
#10
 Methyl Iodide
 Concen: 48.395 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Tgt Ion:142 Resp: 272096
 Ion Ratio Lower Upper
 142 100
 127 41.1 32.6 49.0
 141 14.4 11.5 17.3



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

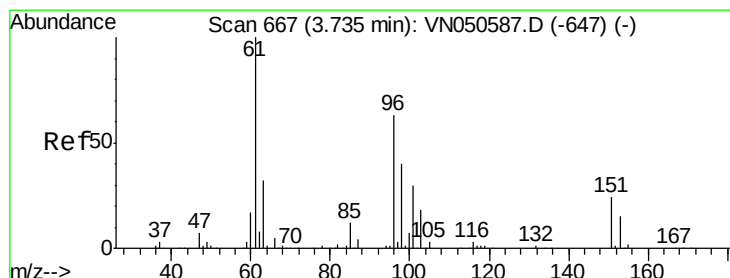
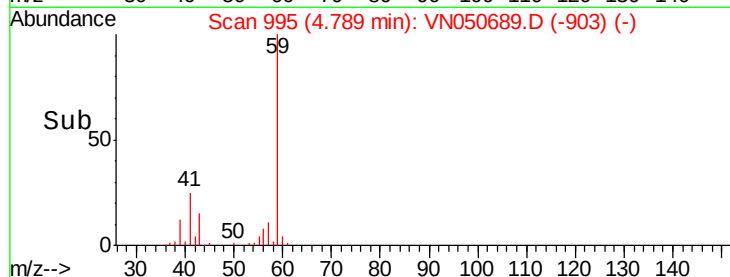
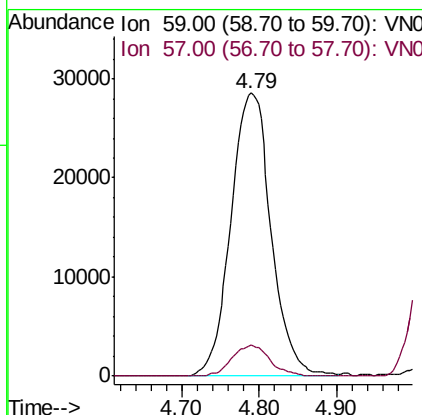
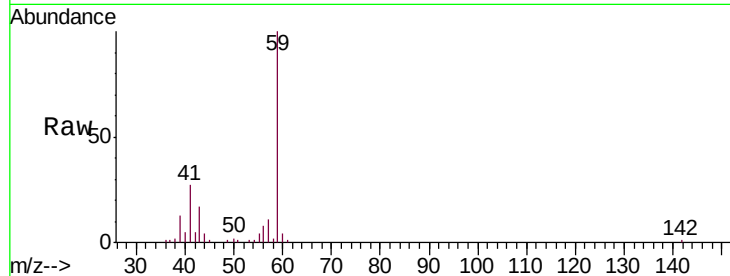




#11
Tert butyl alcohol
Concen: 223.869 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

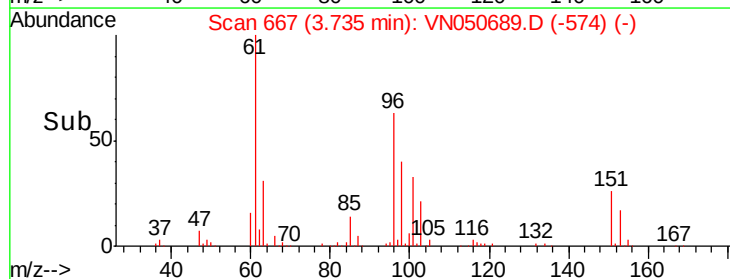
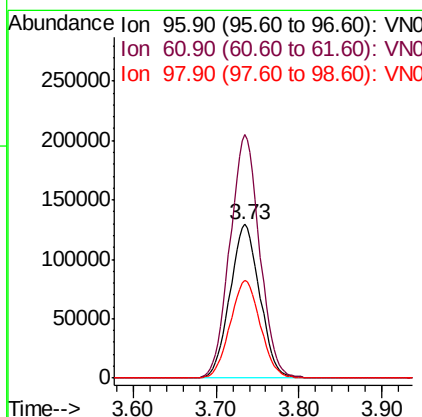
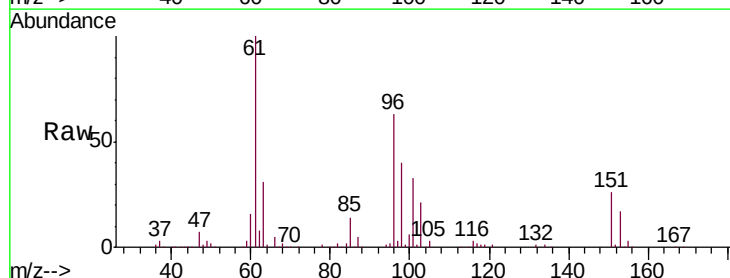
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

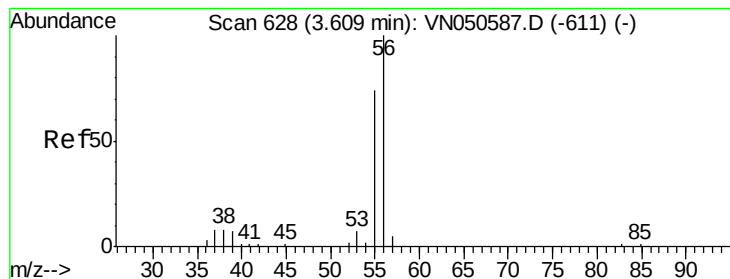
Tgt Ion: 59 Resp: 103108
Ion Ratio Lower Upper
59 100
57 10.4 8.4 12.6



#12
1,1-Dichloroethene
Concen: 44.746 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

Tgt Ion: 96 Resp: 324897
Ion Ratio Lower Upper
96 100
61 158.5 126.9 190.3
98 63.9 51.1 76.7





#13

Acrolein

Concen: 162.245 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

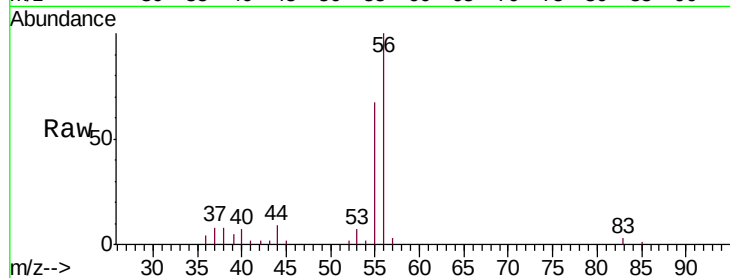
VSTDCCC050

Tgt Ion: 56 Resp: 29088

Ion Ratio Lower Upper

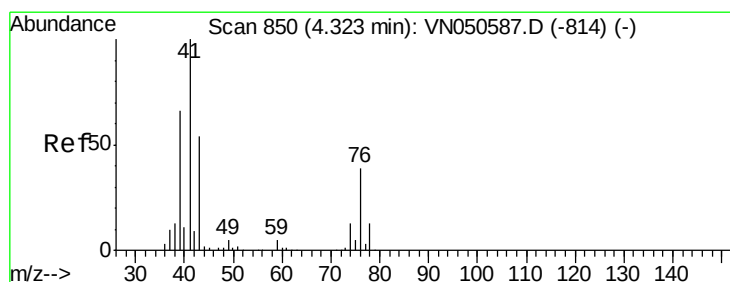
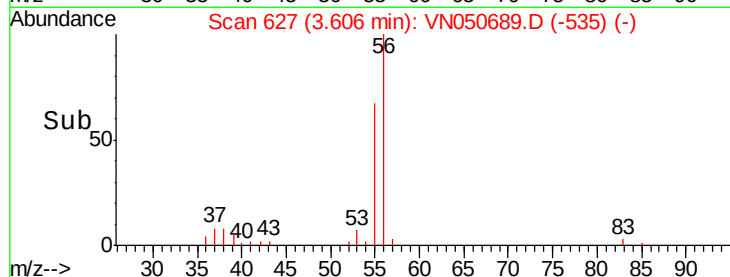
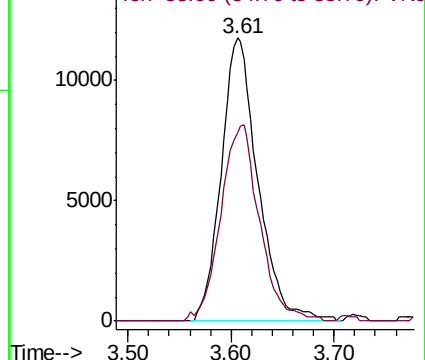
56 100

55 73.5 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.875 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

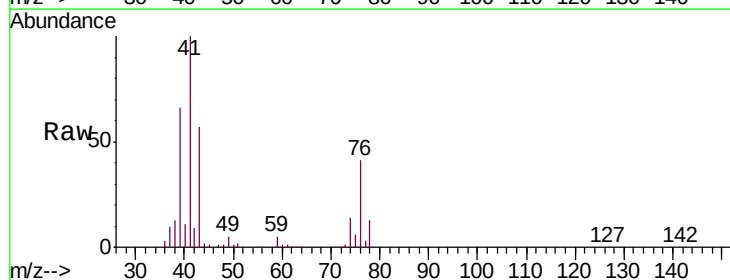
Tgt Ion: 41 Resp: 529415

Ion Ratio Lower Upper

41 100

39 63.8 51.4 77.0

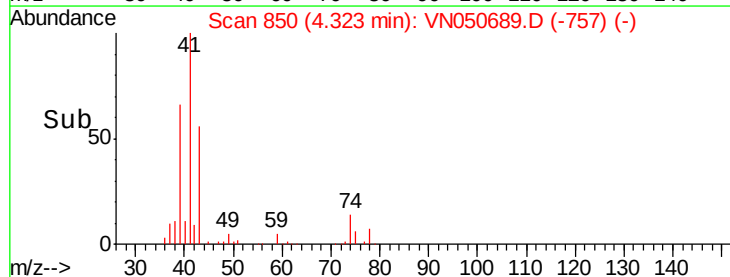
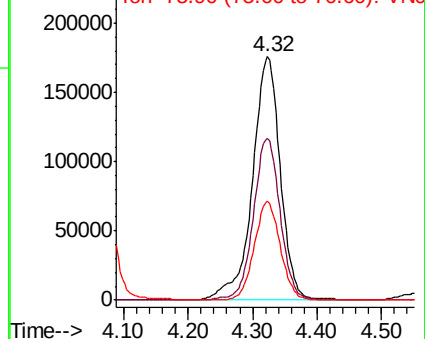
76 37.3 29.4 44.0

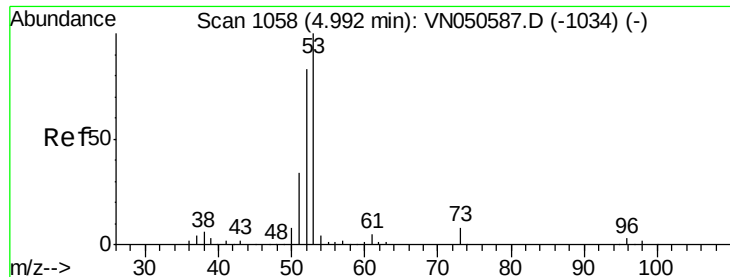


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 233.217 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

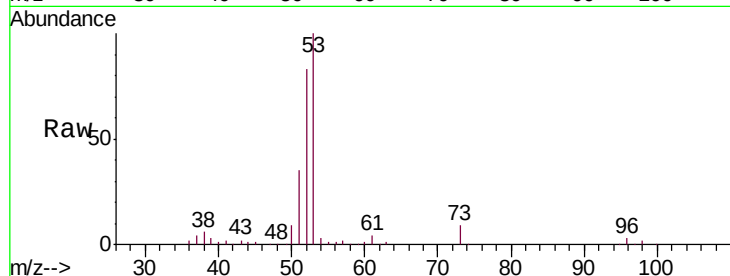
Tgt Ion: 53 Resp: 589935

Ion Ratio Lower Upper

53 100

52 82.0 66.2 99.2

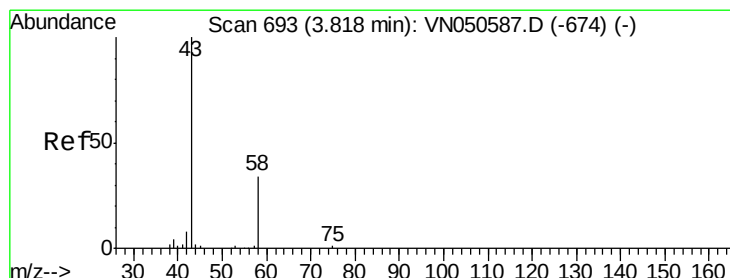
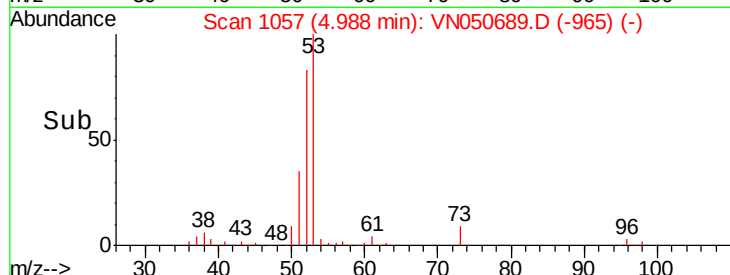
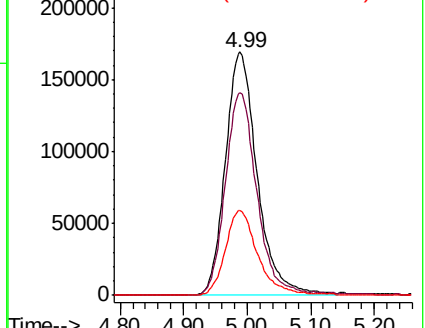
51 35.8 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 255.093 ug/l

RT: 3.81 min Scan# 692

Delta R.T. -0.00 min

Lab File: VN050689.D

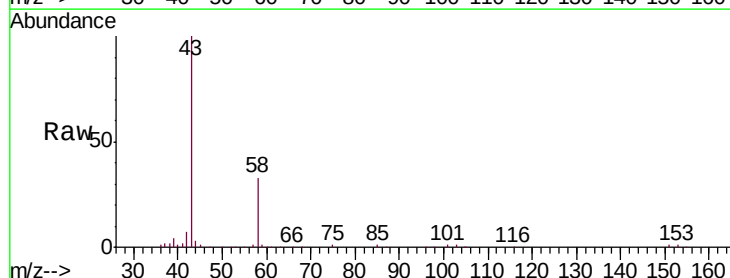
Acq: 16 Aug 2018 9:06

Tgt Ion: 43 Resp: 537191

Ion Ratio Lower Upper

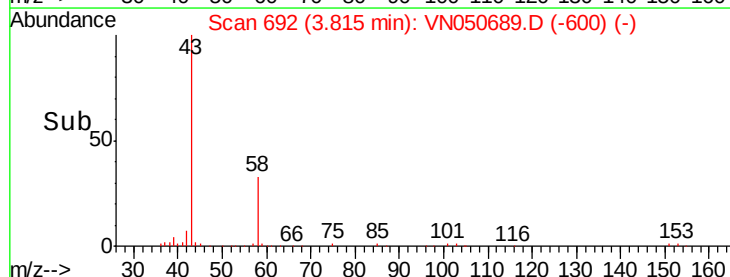
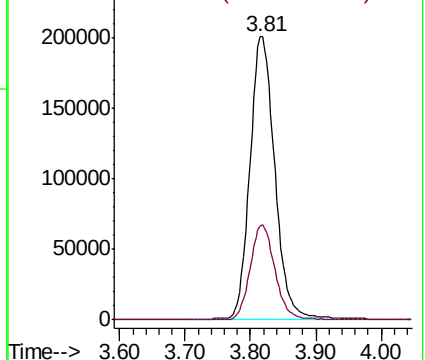
43 100

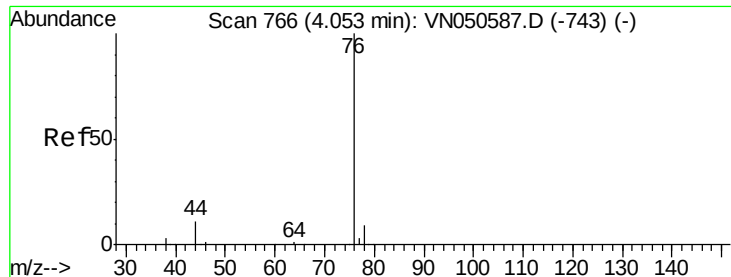
58 33.2 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 44.549 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

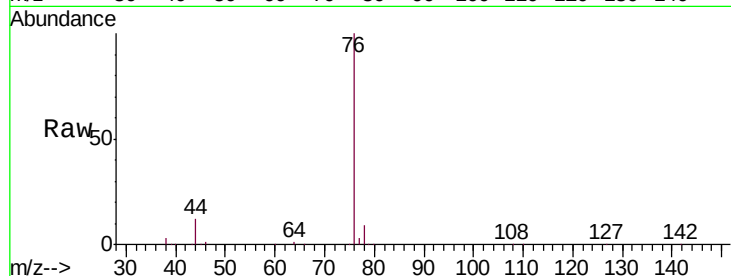
VSTDCCC050

Tgt Ion: 76 Resp: 1017923

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

400000

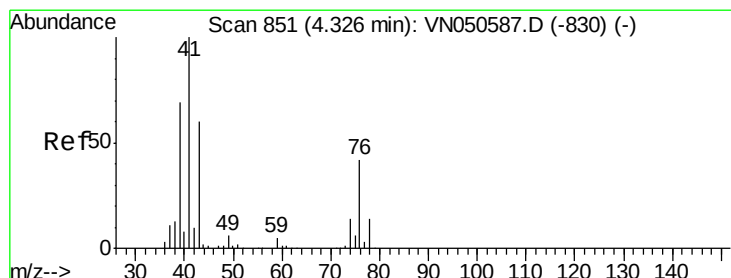
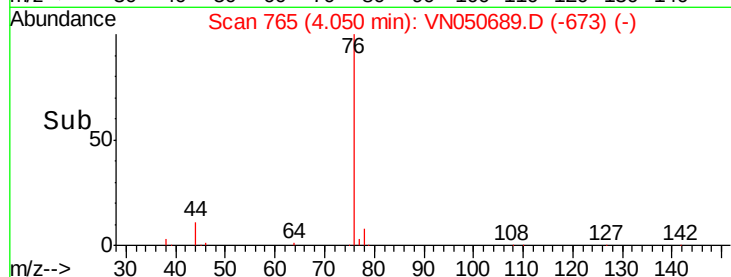
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 47.649 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050689.D

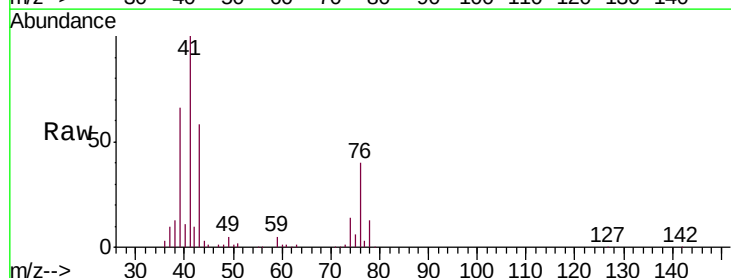
Acq: 16 Aug 2018 9:06

Tgt Ion: 43 Resp: 282560

Ion Ratio Lower Upper

43 100

74 24.7 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

100000

80000

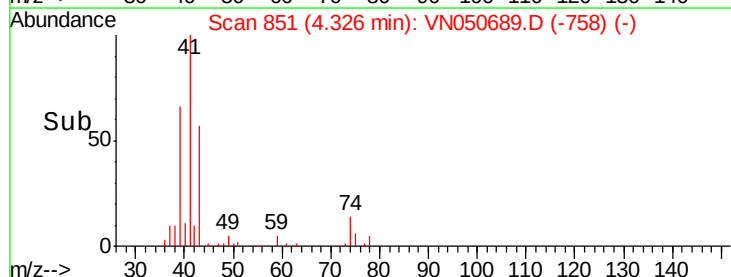
60000

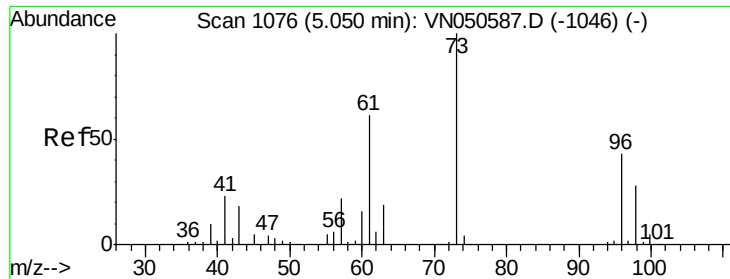
40000

20000

0

Time-->

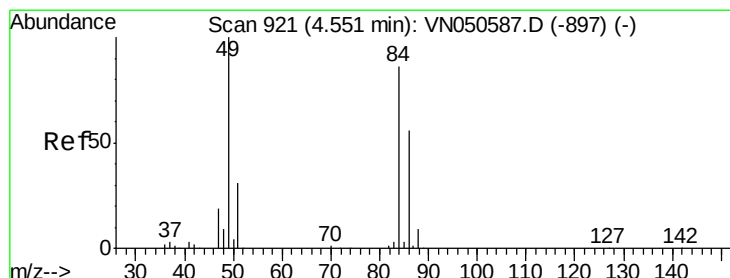
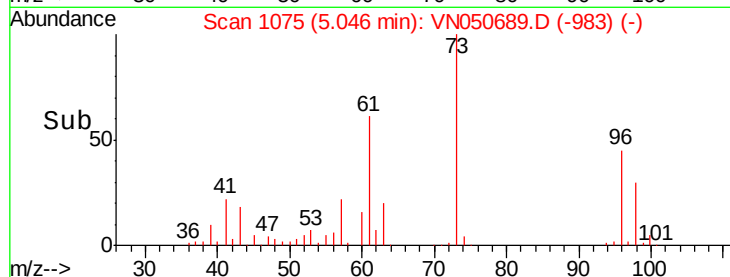
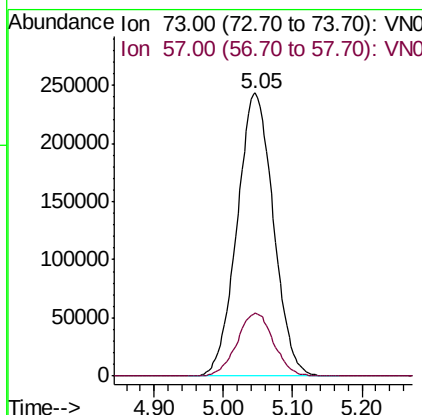
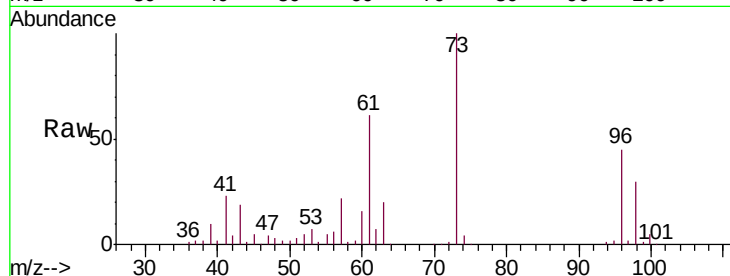




#19
Methyl tert-butyl Ether
Concen: 47.873 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

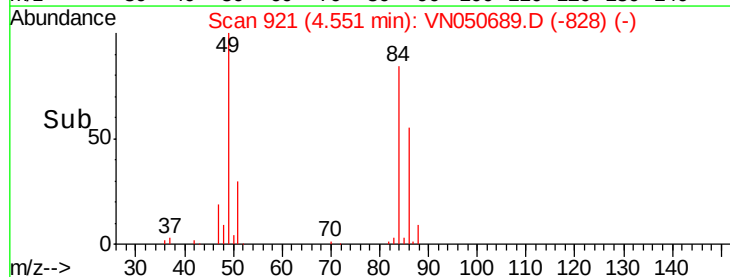
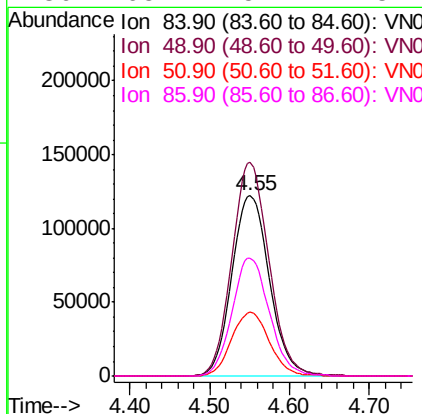
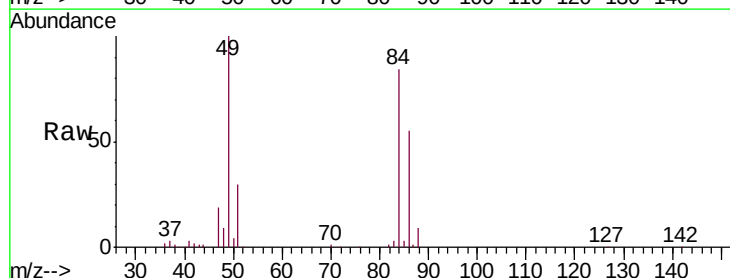
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

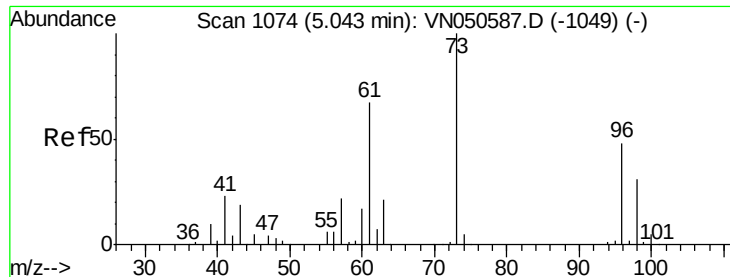
Tgt Ion: 73 Resp: 884673
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9



#20
Methylene Chloride
Concen: 48.631 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

Tgt Ion: 84 Resp: 390171
Ion Ratio Lower Upper
84 100
49 118.7 92.6 138.8
51 35.6 28.6 43.0
86 65.2 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 46.465 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

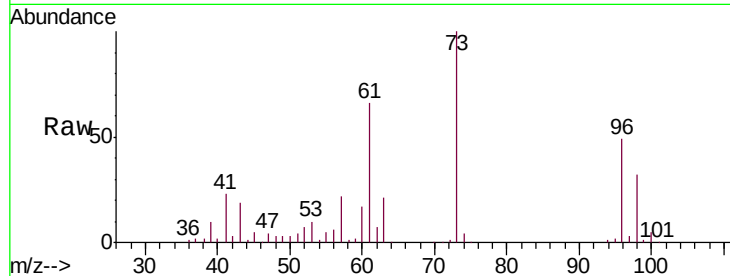
Tgt Ion: 96 Resp: 365758

Ion Ratio Lower Upper

96 100

61 134.4 111.2 166.8

98 64.6 51.6 77.4

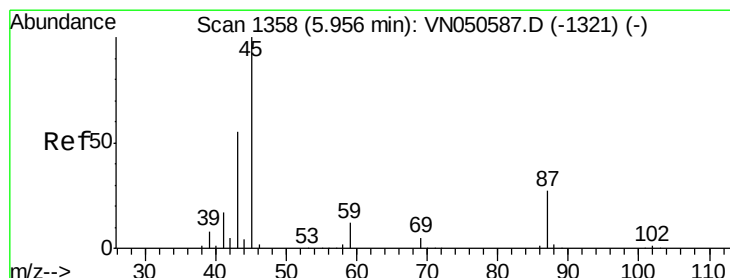
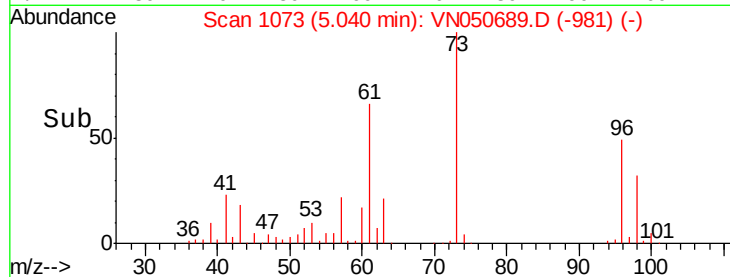
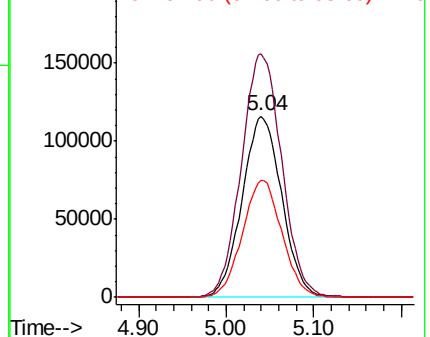


Abundance

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



#22

Diisopropyl ether

Concen: 48.918 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Tgt Ion: 45 Resp: 1132755

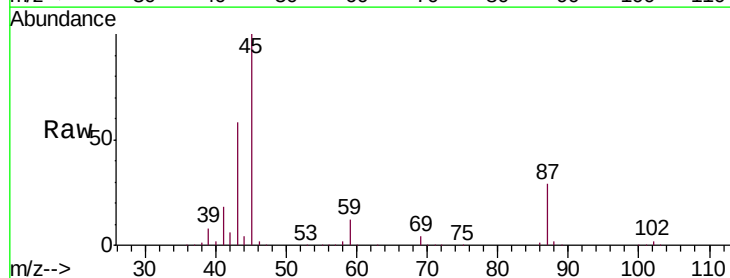
Ion Ratio Lower Upper

45 100

43 57.6 44.5 66.7

87 28.7 22.2 33.2

59 12.0 9.5 14.3



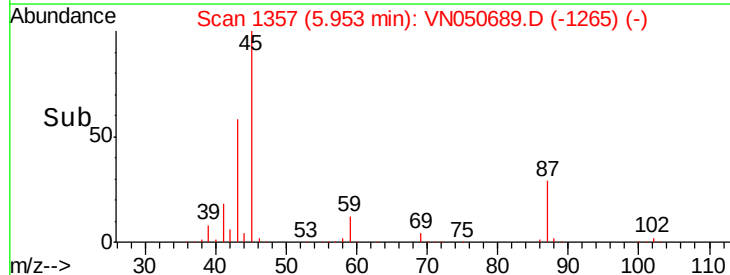
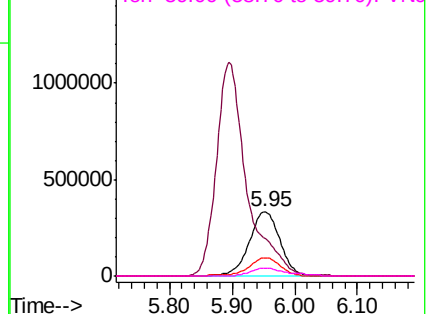
Abundance

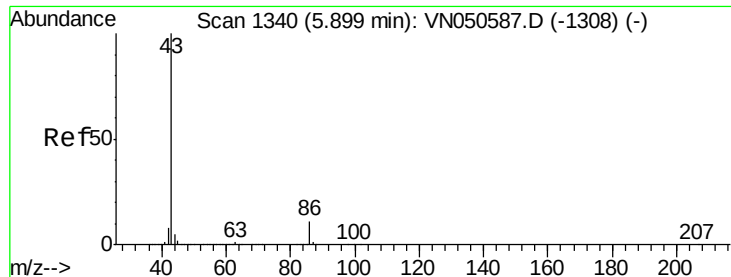
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 246.576 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

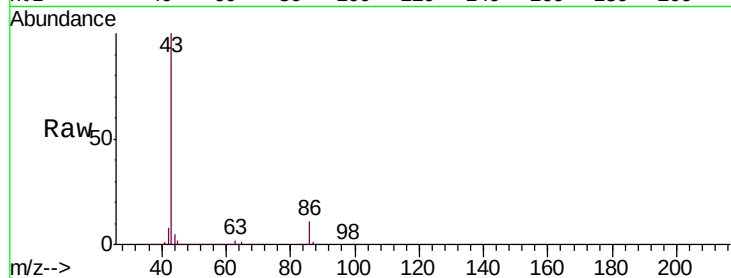
VSTDCCC050

Tgt Ion: 43 Resp: 3735086

Ion Ratio Lower Upper

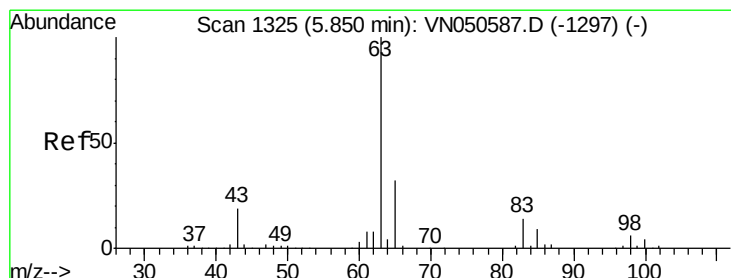
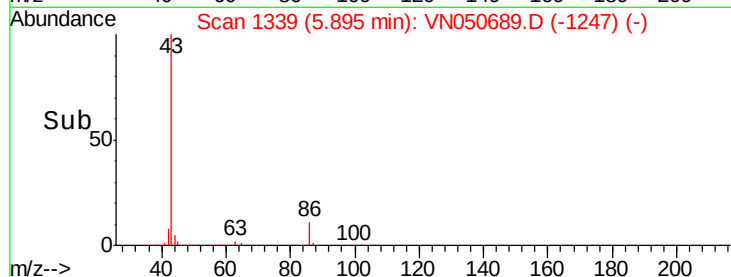
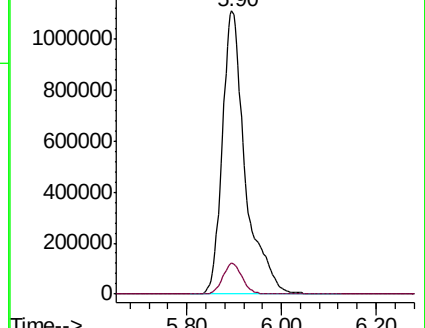
43 100

86 10.9 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-1308) (-)

Ion 86.00 (85.70 to 86.70): VN050587.D (-1308) (-)



#24

1,1-Dichloroethane

Concen: 45.087 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

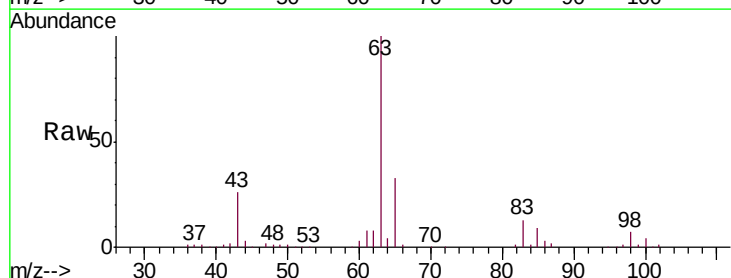
Tgt Ion: 63 Resp: 675556

Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

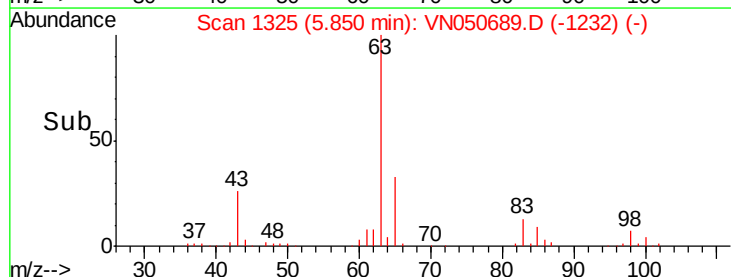
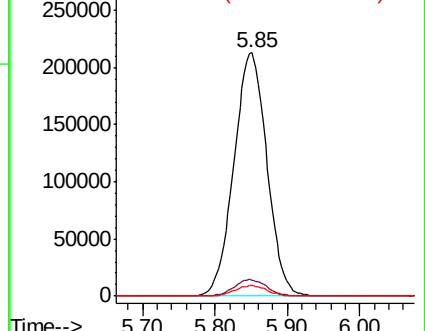
100 4.4 2.1 6.5

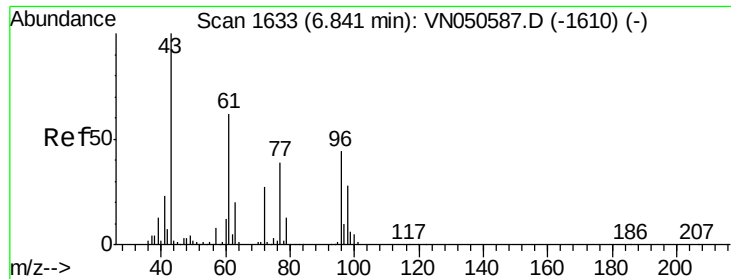


Abundance Ion 62.90 (62.60 to 63.60): VN050587.D (-1297) (-)

Ion 97.90 (97.60 to 98.60): VN050587.D (-1297) (-)

Ion 99.90 (99.60 to 100.60): VN050587.D (-1297) (-)

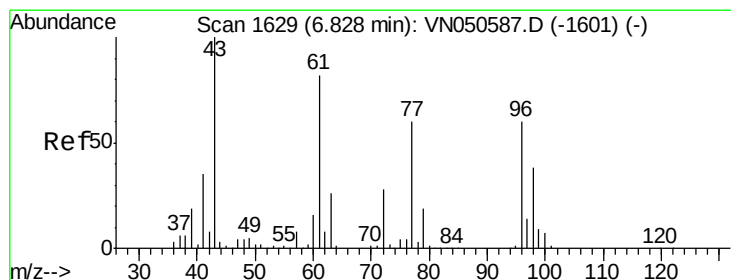
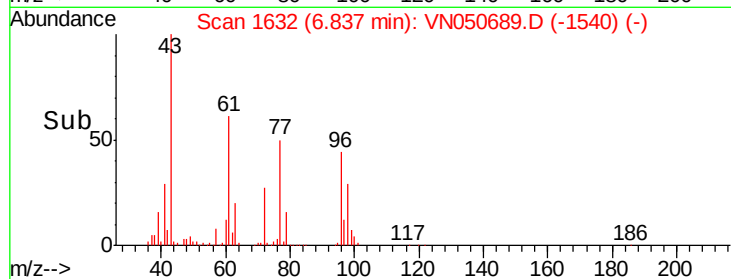
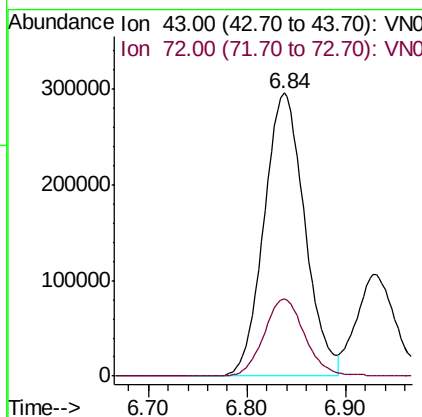
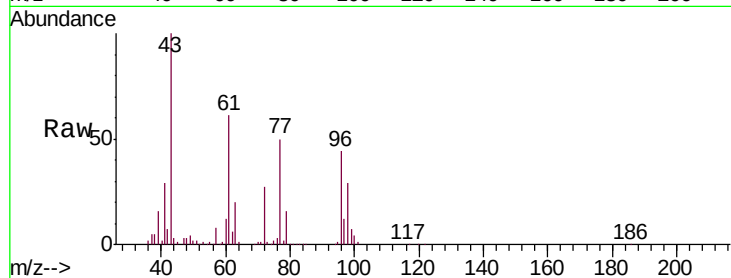




#25
 2-Butanone
 Concen: 244.415 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

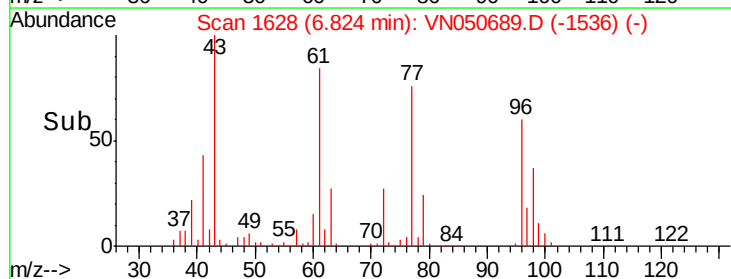
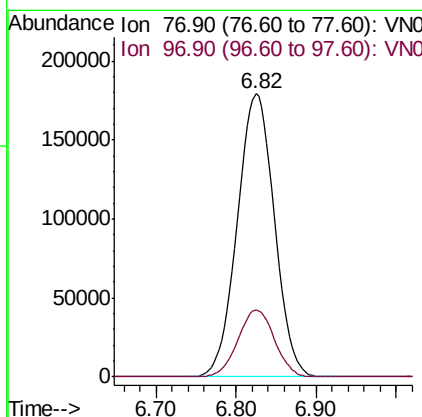
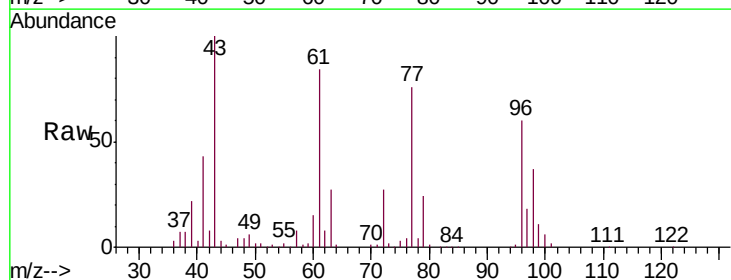
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

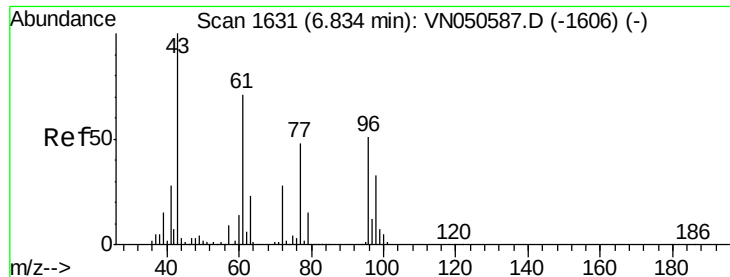
Tgt Ion: 43 Resp: 845287
 Ion Ratio Lower Upper
 43 100
 72 27.4 21.8 32.6



#26
 2,2-Dichloropropane
 Concen: 56.096 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Tgt Ion: 77 Resp: 562596
 Ion Ratio Lower Upper
 77 100
 97 23.4 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 46.667 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

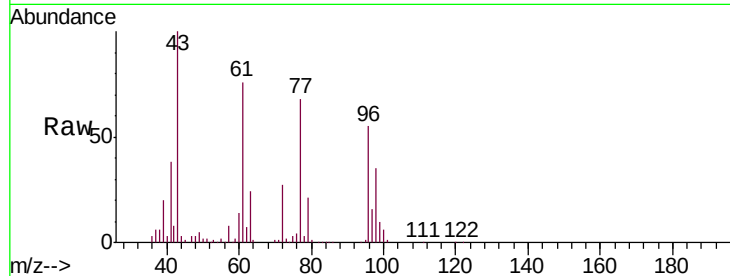
Tgt Ion: 96 Resp: 409060

Ion Ratio Lower Upper

96 100

61 142.2 0.0 278.2

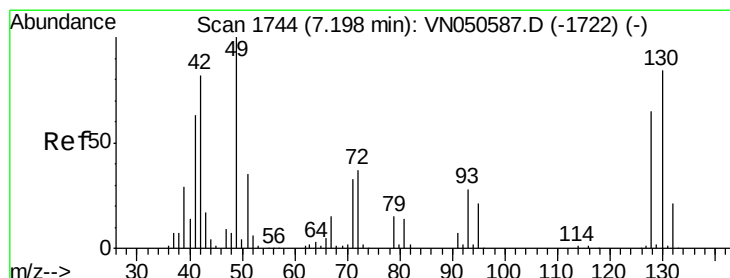
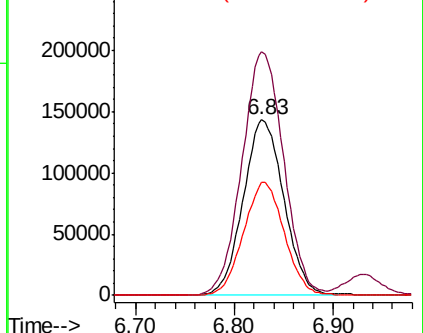
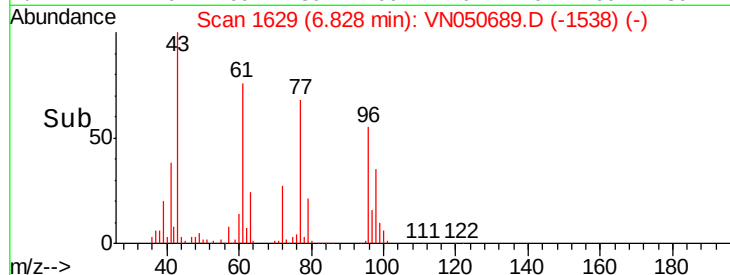
98 64.7 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VN050587.D (-1606) (-)

Ion 60.90 (60.60 to 61.60): VN050587.D (-1606) (-)

Ion 97.90 (97.60 to 98.60): VN050587.D (-1606) (-)



#28

Bromochloromethane

Concen: 48.161 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

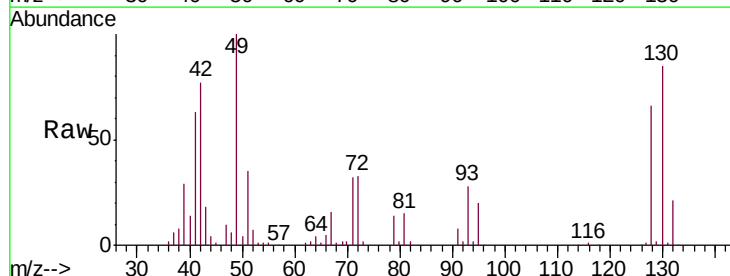
Tgt Ion: 49 Resp: 328408

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

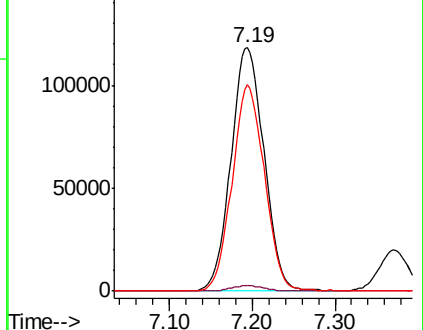
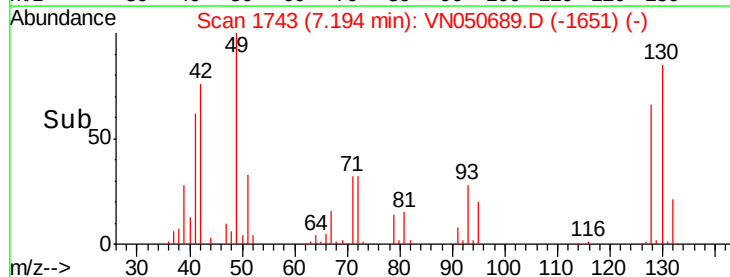
130 82.7 66.8 100.2

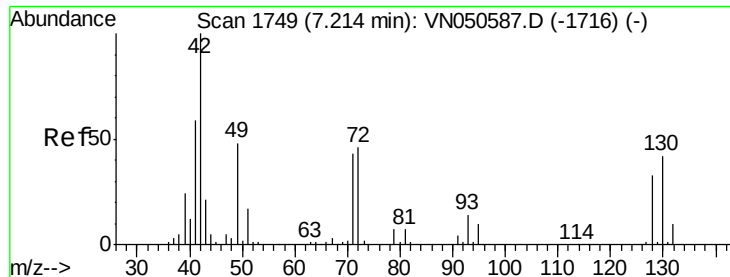


Abundance Ion 48.90 (48.60 to 49.60): VN050587.D (-1722) (-)

Ion 128.80 (128.50 to 129.50): VN050587.D (-1722) (-)

Ion 129.80 (129.50 to 130.50): VN050587.D (-1722) (-)





#29

Tetrahydrofuran

Concen: 238.904 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

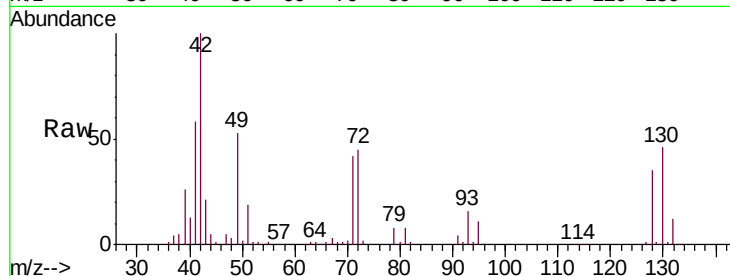
Tgt Ion: 42 Resp: 431406

Ion Ratio Lower Upper

42 100

72 44.6 35.8 53.6

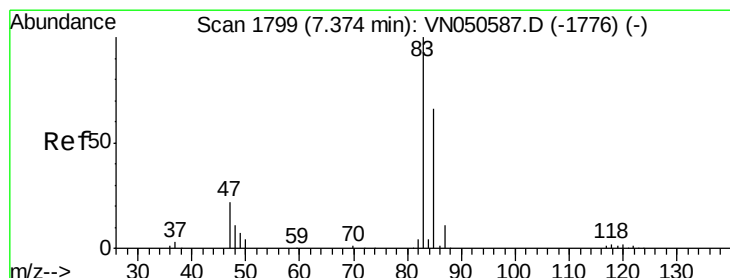
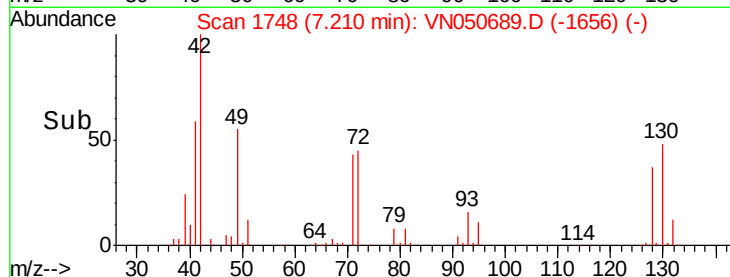
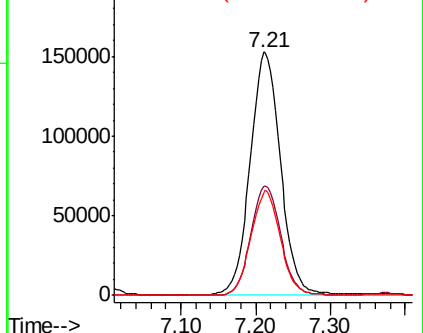
71 41.9 33.4 50.0



Abundance Ion 42.00 (41.70 to 42.70): VN050587.D (-1716) (-)

Ion 72.00 (71.70 to 72.70): VN050587.D (-1716) (-)

Ion 71.00 (70.70 to 71.70): VN050587.D (-1716) (-)



#30

Chloroform

Concen: 44.802 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN050689.D

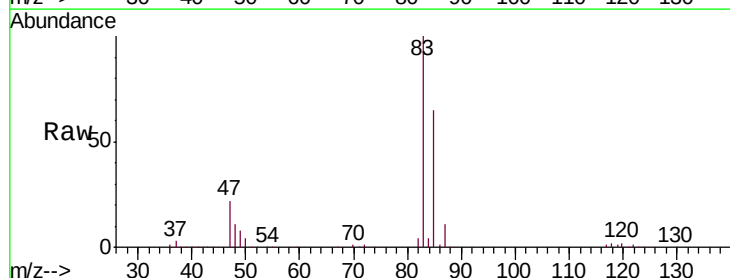
Acq: 16 Aug 2018 9:06

Tgt Ion: 83 Resp: 680273

Ion Ratio Lower Upper

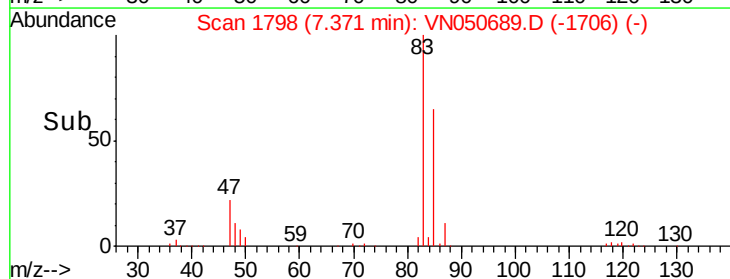
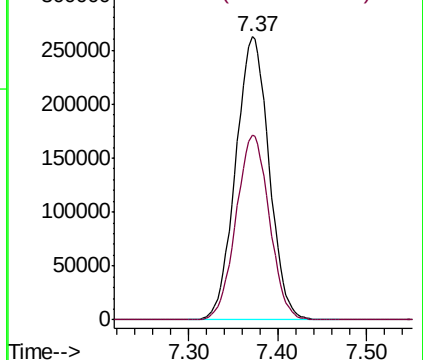
83 100

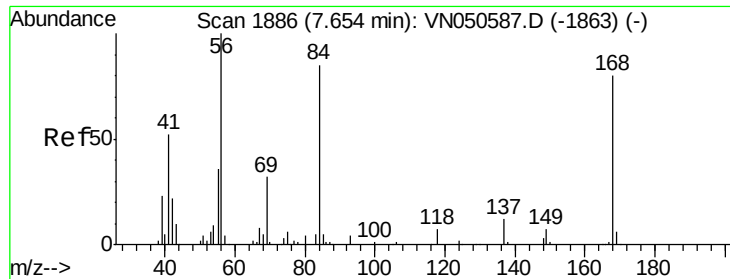
85 65.1 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN050587.D (-1776) (-)

Ion 84.90 (84.60 to 85.60): VN050587.D (-1776) (-)

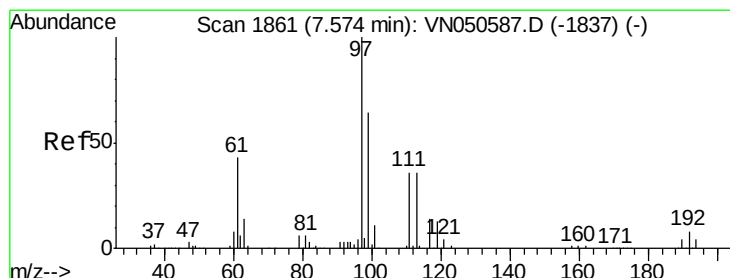
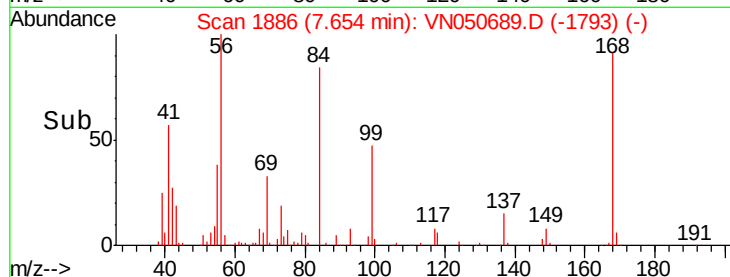
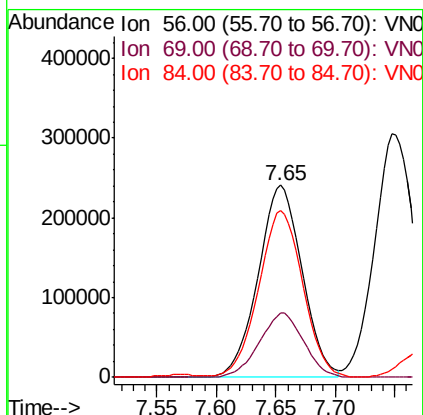
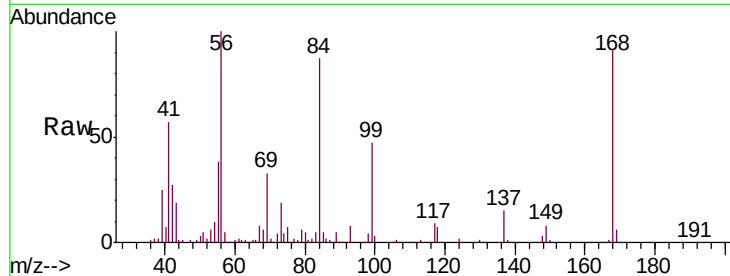




#31
Cyclohexane
Concen: 48.146 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

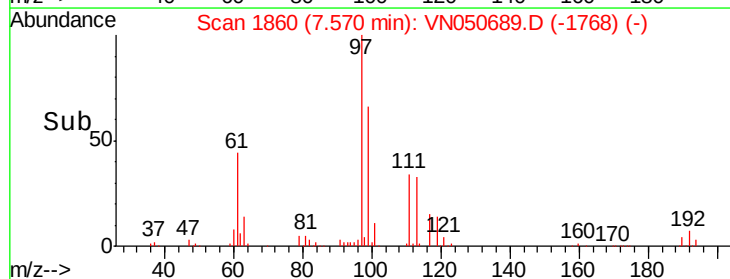
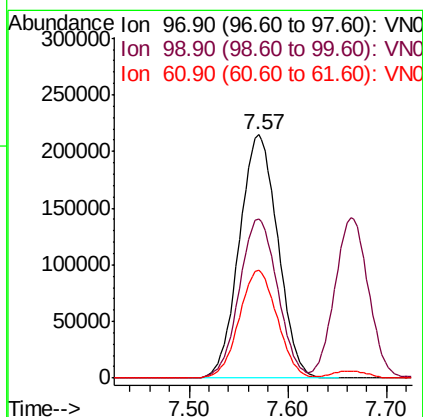
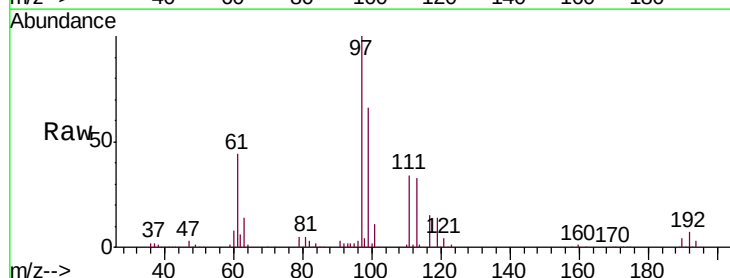
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

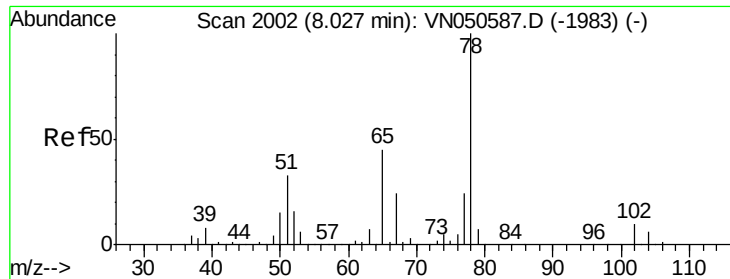
Tgt Ion: 56 Resp: 615765
Ion Ratio Lower Upper
56 100
69 33.3 25.8 38.6
84 85.7 67.8 101.6



#32
1,1,1-Trichloroethane
Concen: 45.393 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

Tgt Ion: 97 Resp: 580149
Ion Ratio Lower Upper
97 100
99 65.0 51.1 76.7
61 43.7 34.8 52.2

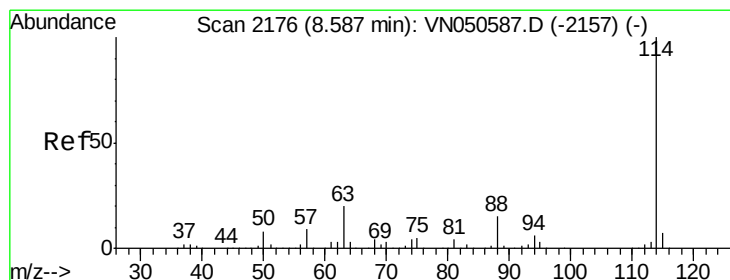
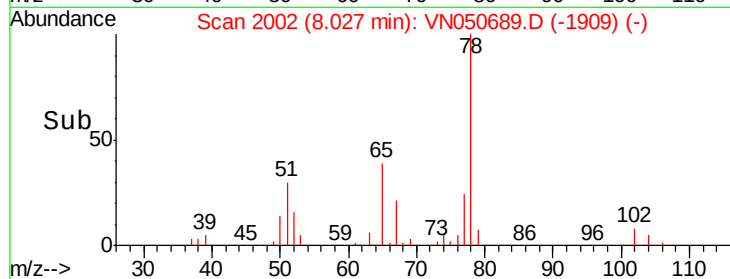
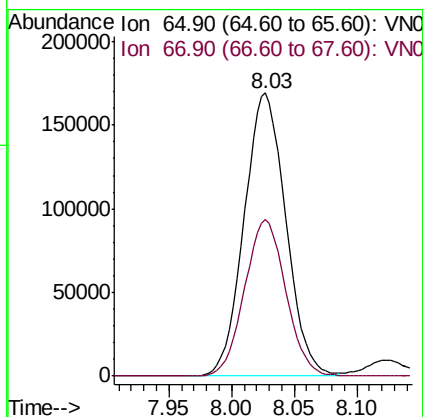
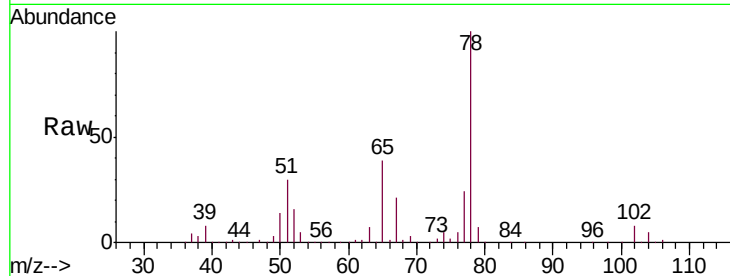




#33
 1,2-Dichloroethane-d4
 Concen: 46.409 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

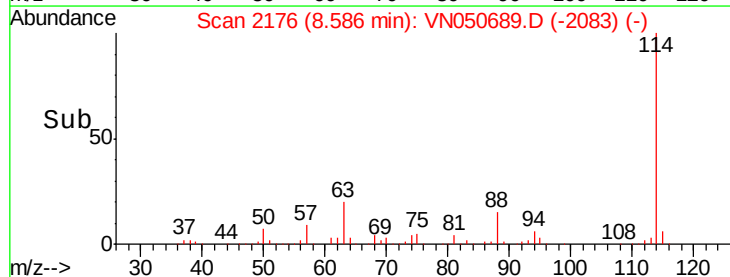
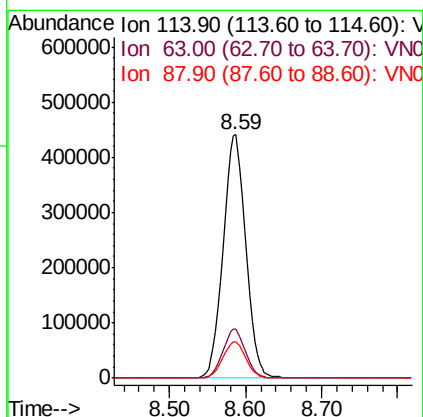
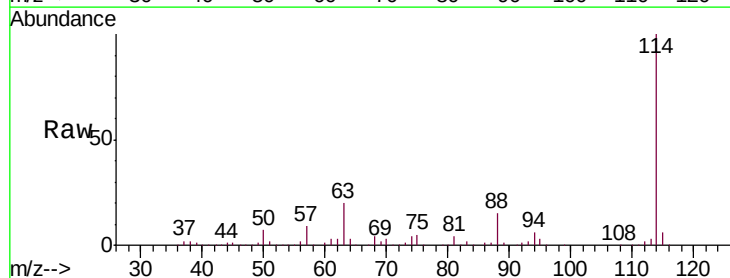
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

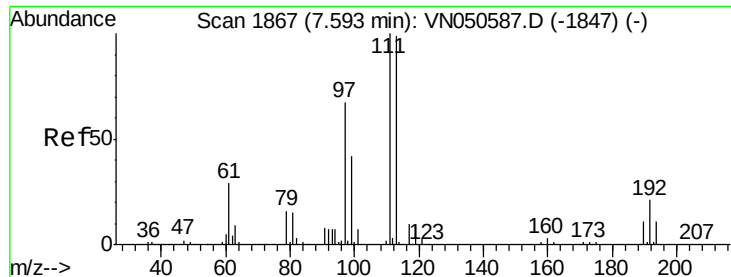
Tgt Ion: 65 Resp: 391459
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Tgt Ion: 114 Resp: 915861
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.1 0.0 30.8

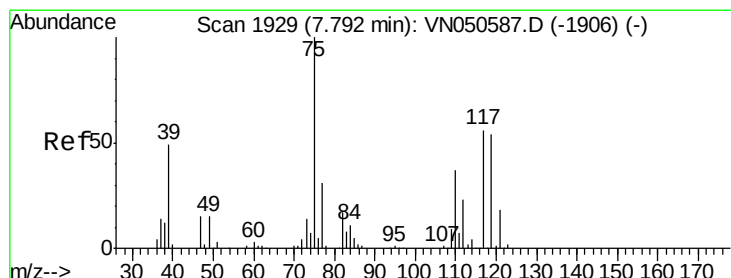
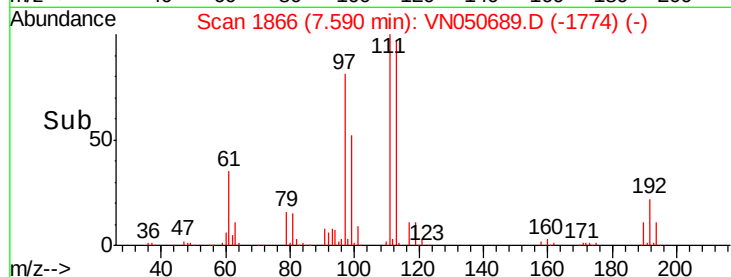
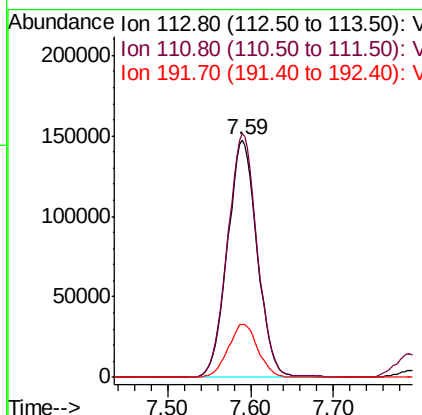
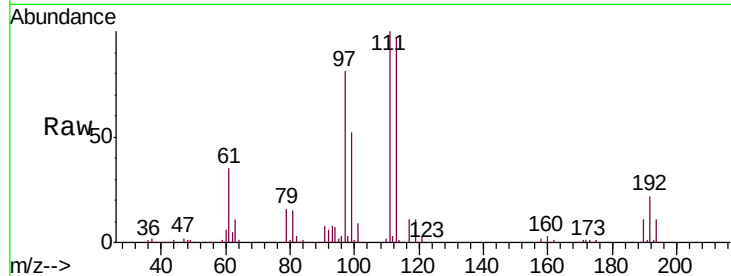




#35
 Dibromofluoromethane
 Concen: 50.249 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

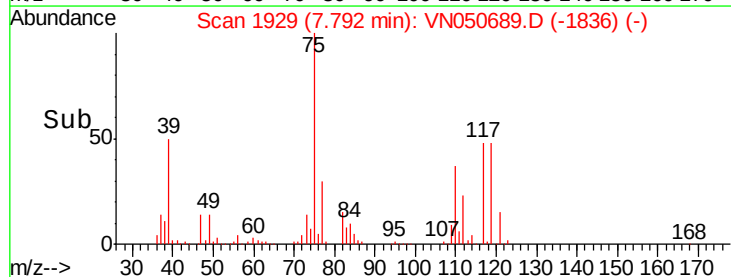
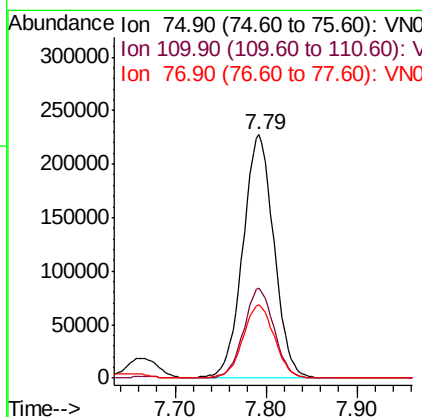
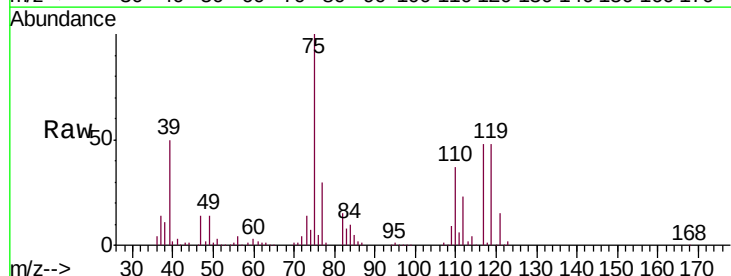
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

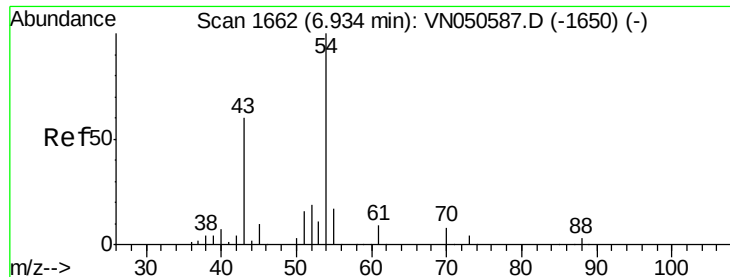
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.0	121.6
192	22.4	17.6	26.4



#36
 1,1-Dichloropropene
 Concen: 52.599 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.3	54.9
77	30.9	25.0	37.4

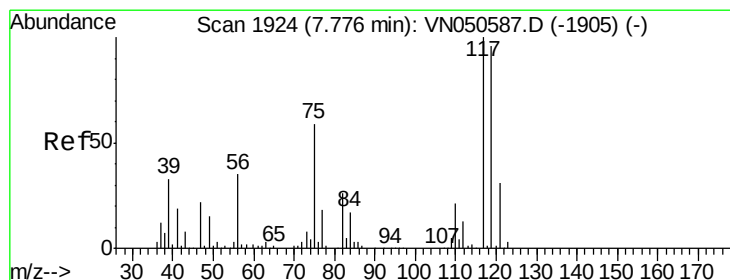
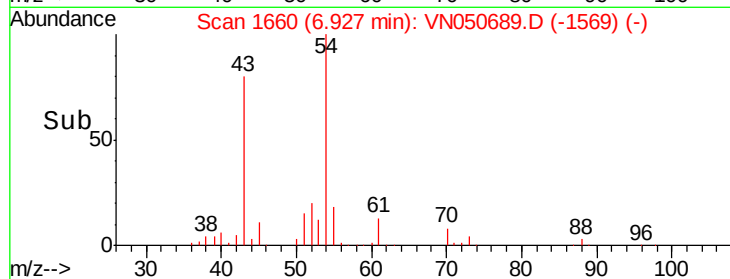
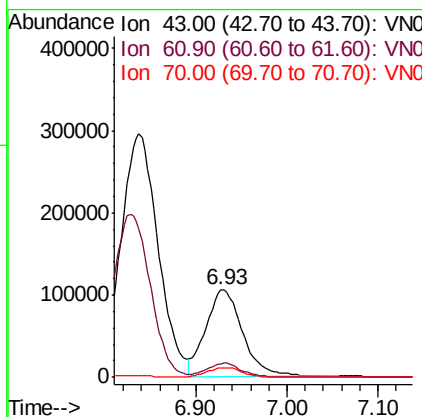
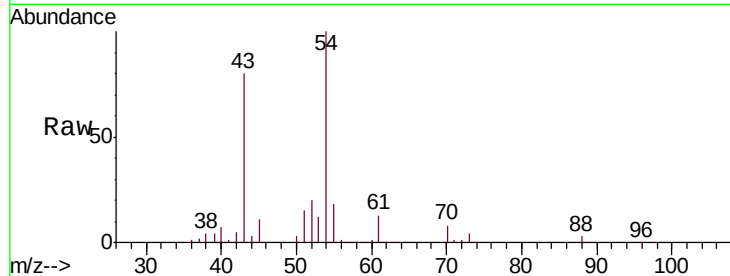




#37
 Ethyl Acetate
 Concen: 52.041 ug/l
 RT: 6.93 min Scan# 1660
 Delta R.T. -0.01 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

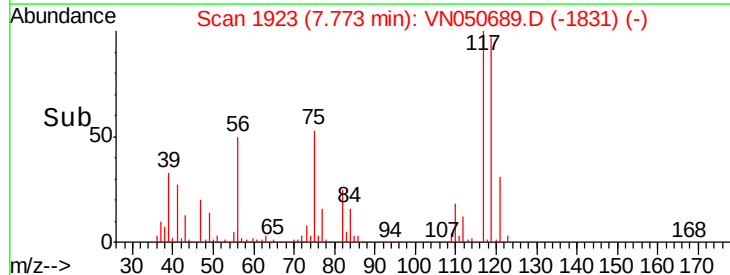
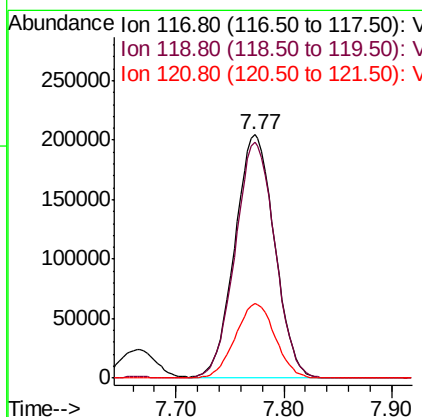
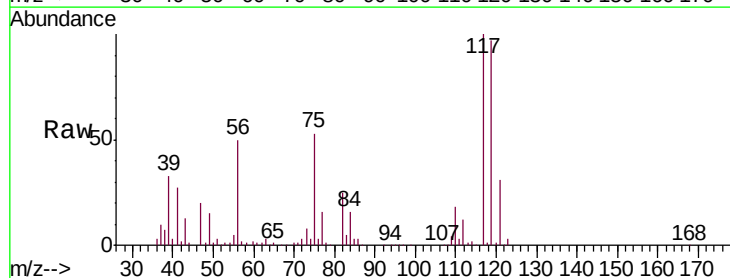
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

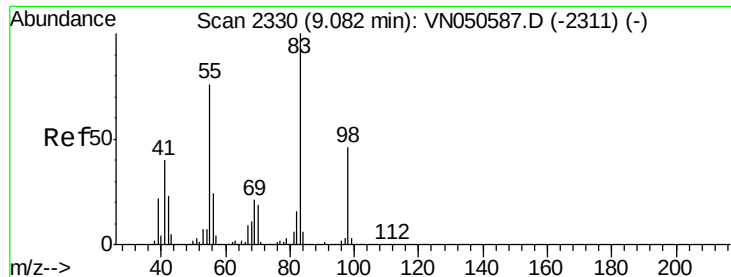
Tgt Ion: 43 Resp: 299909
 Ion Ratio Lower Upper
 43 100
 61 15.0 12.0 18.0
 70 10.9 8.5 12.7



#38
 Carbon Tetrachloride
 Concen: 49.510 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Tgt Ion: 117 Resp: 523634
 Ion Ratio Lower Upper
 117 100
 119 97.1 76.6 115.0
 121 30.6 25.0 37.6

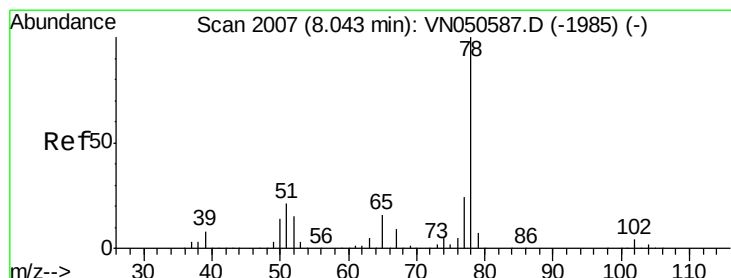
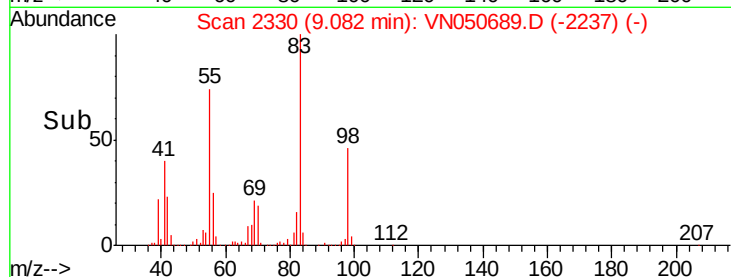
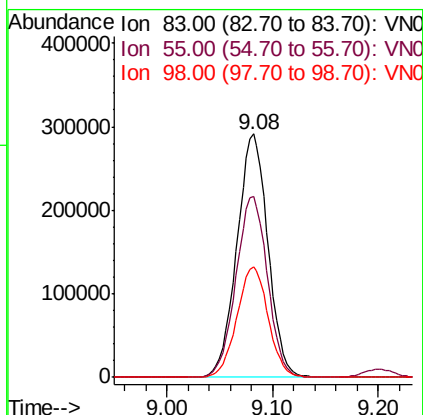
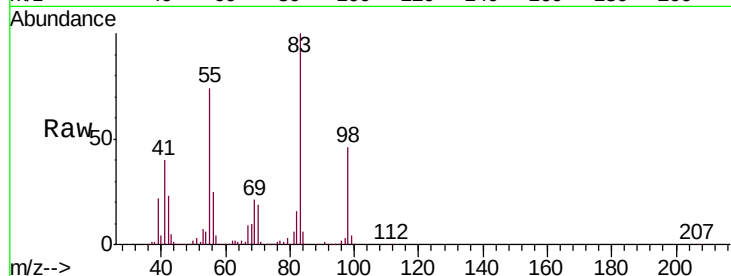




#39
Methylcyclohexane
Concen: 56.368 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

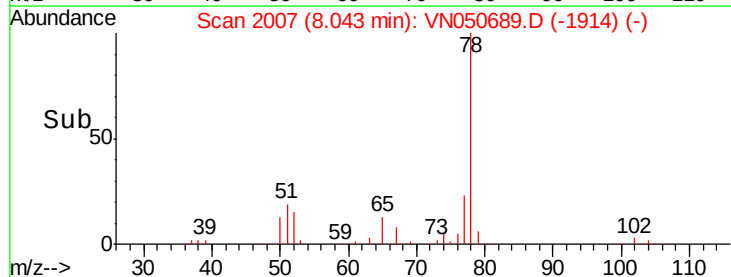
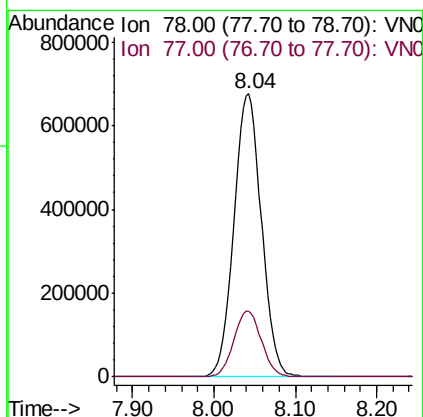
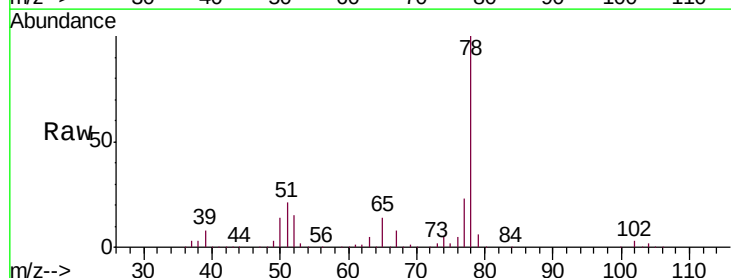
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

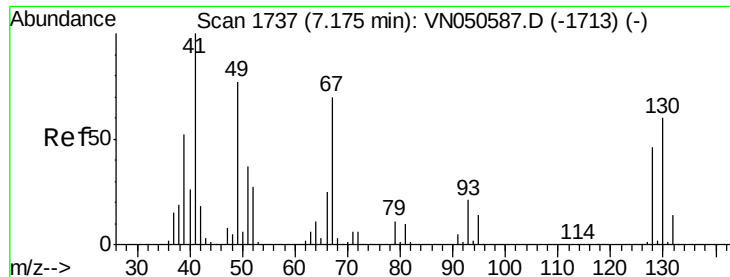
Tgt Ion: 83 Resp: 594982
Ion Ratio Lower Upper
83 100
55 74.0 60.6 91.0
98 45.6 37.0 55.4



#40
Benzene
Concen: 51.094 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

Tgt Ion: 78 Resp: 1584697
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6

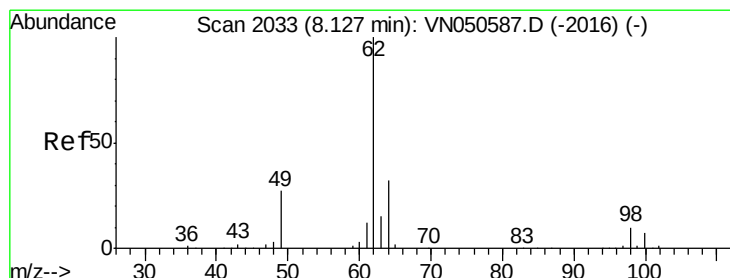
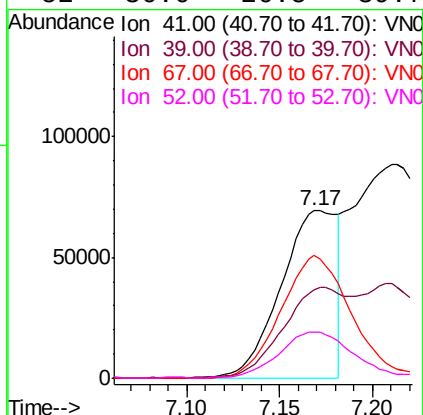
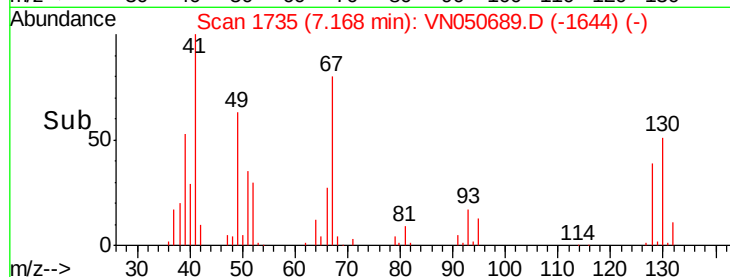
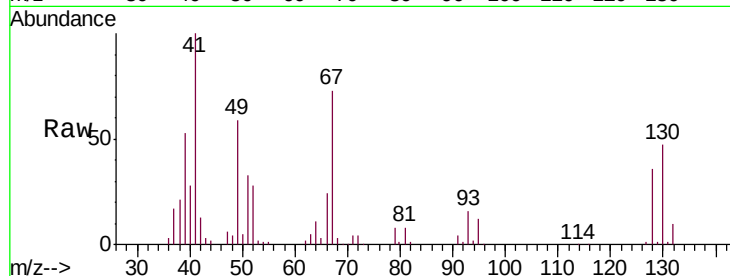




#41
Methacrylonitrile
Concen: 46.783 ug/l
RT: 7.17 min Scan# 1735
Delta R.T. -0.01 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

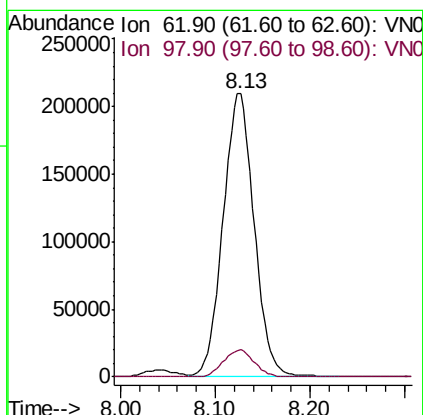
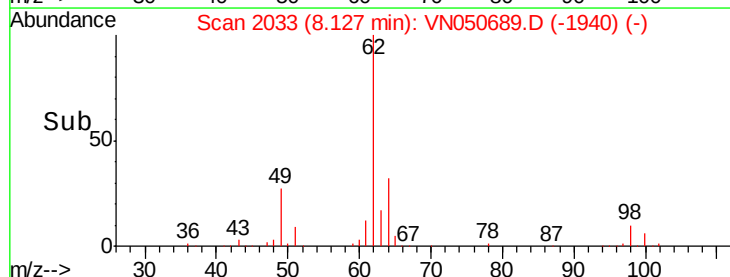
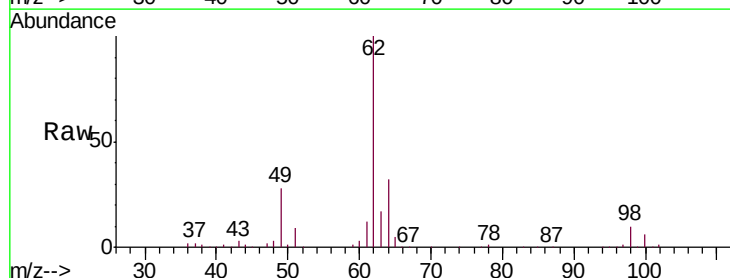
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

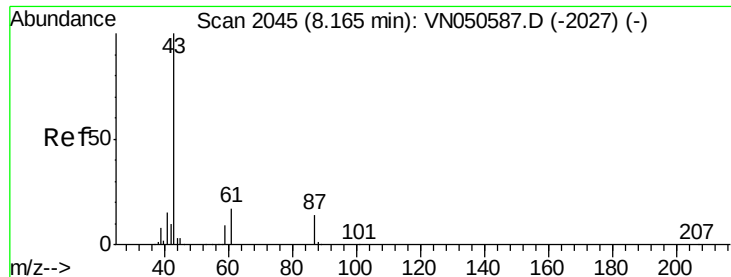
Tgt Ion: 41 Resp: 145755
Ion Ratio Lower Upper
41 100
39 61.0 44.6 66.8
67 93.4 66.7 100.1
52 36.0 26.5 39.7



#42
1,2-Dichloroethane
Concen: 50.172 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

Tgt Ion: 62 Resp: 476933
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.4

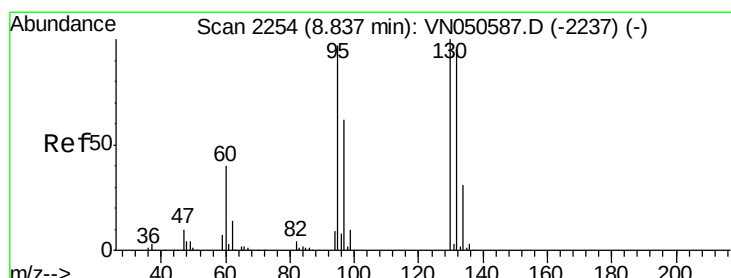
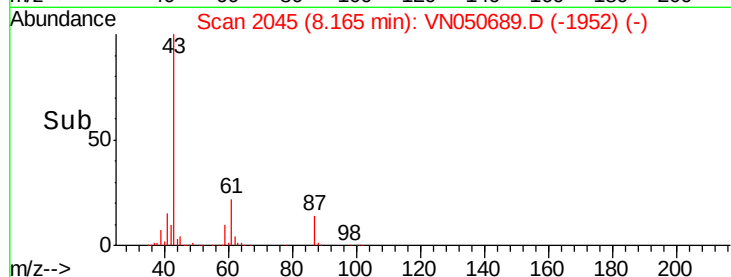
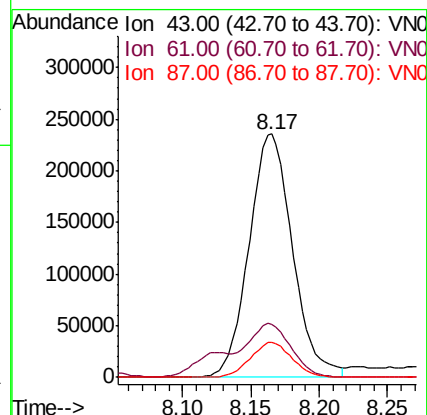
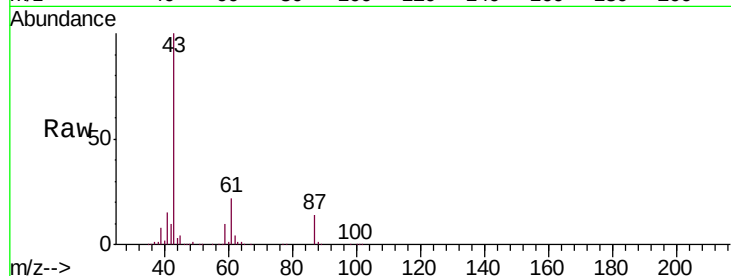




#43
Isopropyl Acetate
Concen: 49.580 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

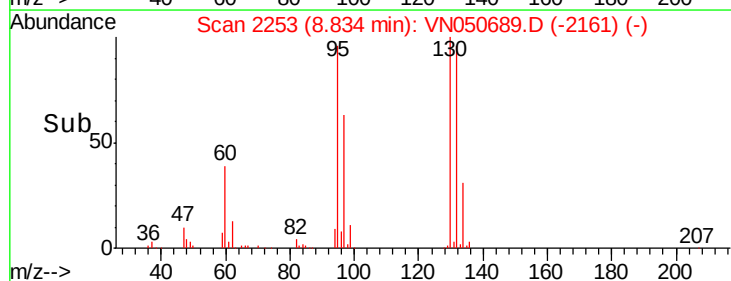
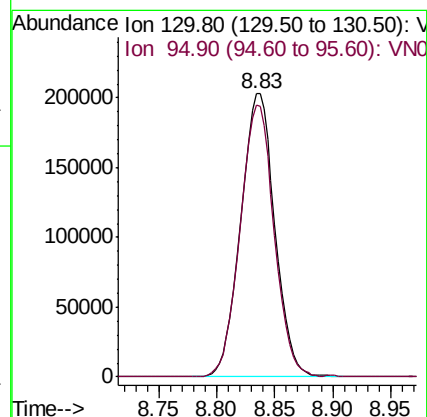
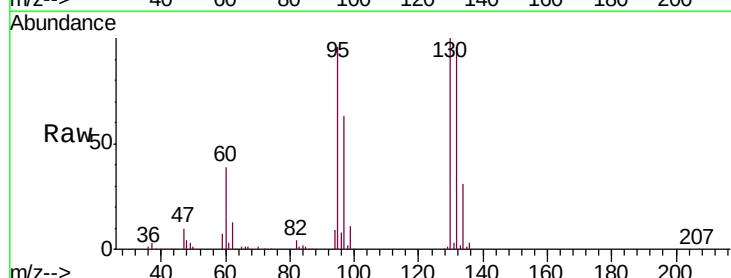
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

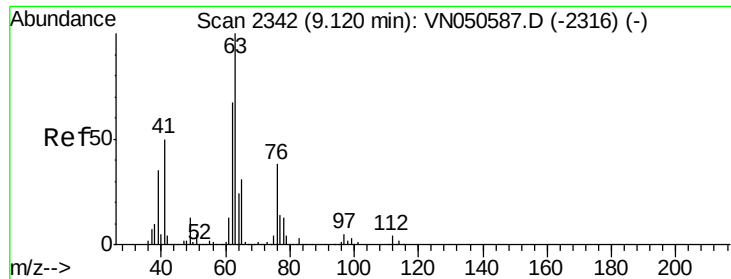
Tgt Ion: 43 Resp: 520705
Ion Ratio Lower Upper
43 100
61 21.1 16.2 24.2
87 13.9 10.9 16.3



#44
Trichloroethene
Concen: 49.833 ug/l
RT: 8.83 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

Tgt Ion: 130 Resp: 414017
Ion Ratio Lower Upper
130 100
95 96.2 0.0 193.8

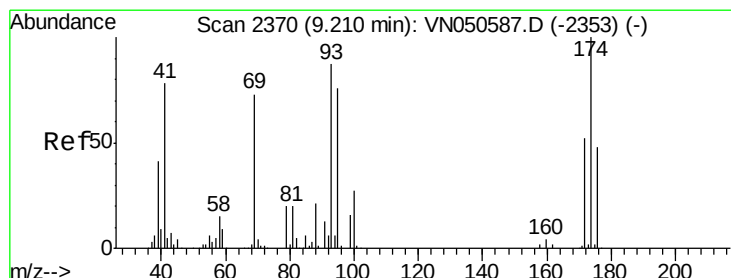
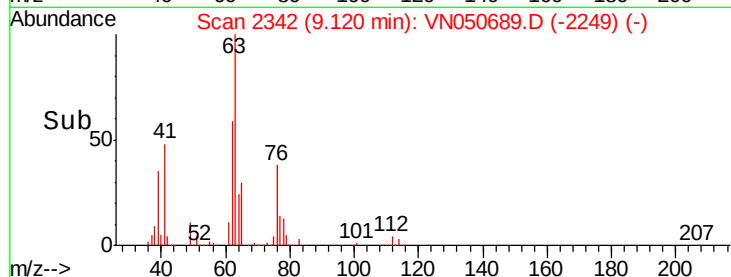
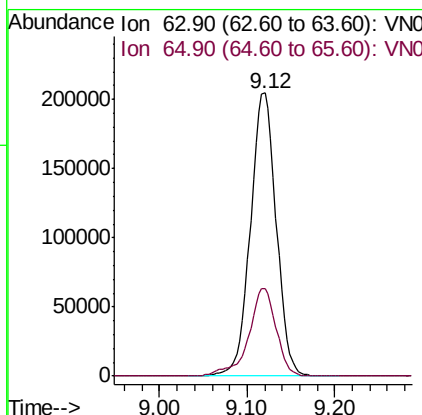
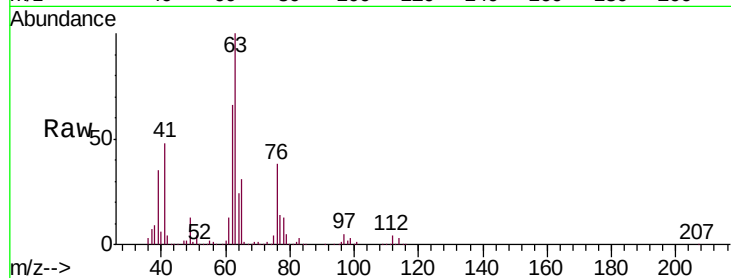




#45
 1,2-Dichloropropane
 Concen: 50.742 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

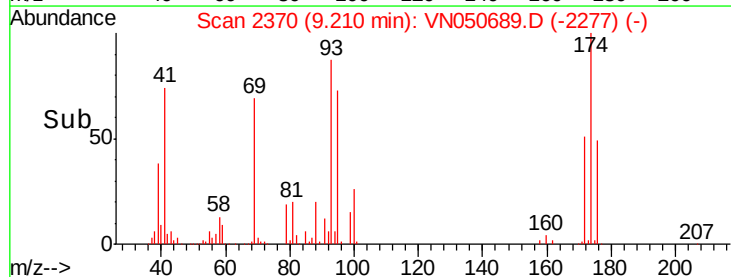
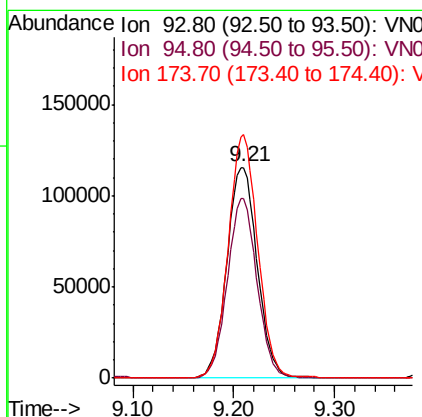
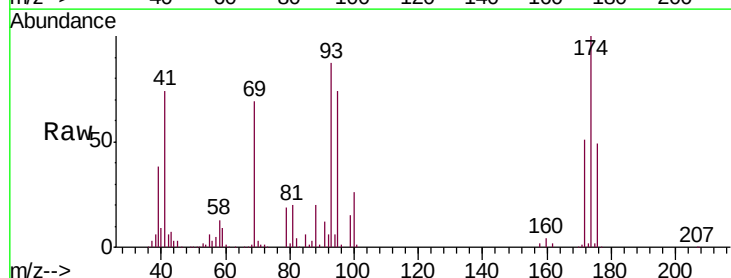
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

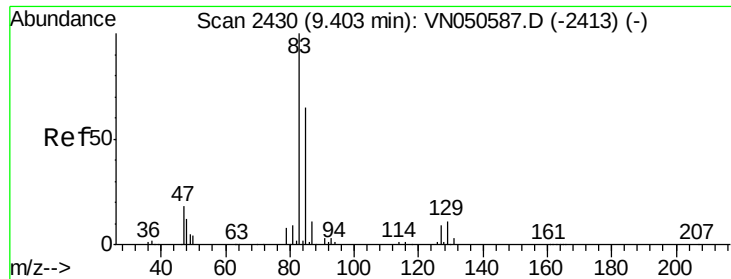
Tgt Ion: 63 Resp: 418979
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.5 36.7



#46
 Dibromomethane
 Concen: 49.823 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Tgt Ion: 93 Resp: 242915
 Ion Ratio Lower Upper
 93 100
 95 83.3 69.1 103.7
 174 112.1 91.0 136.6

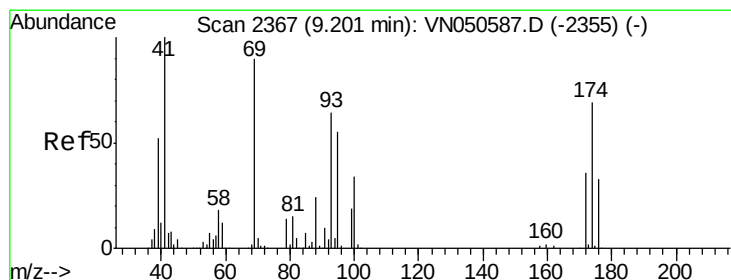
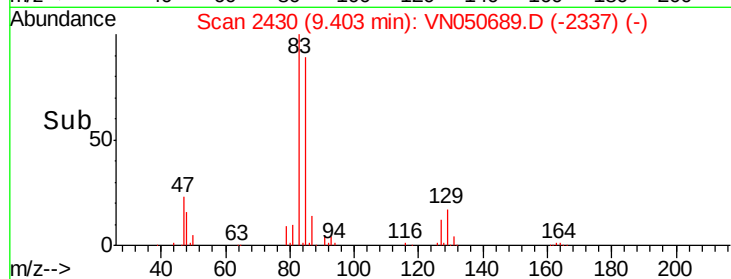
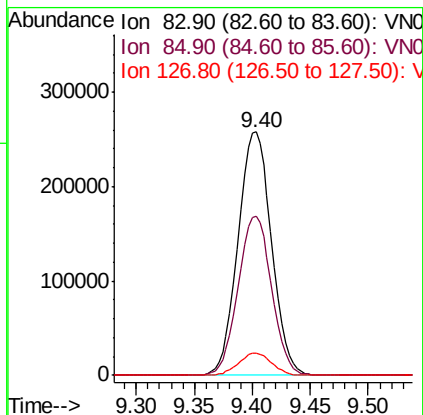
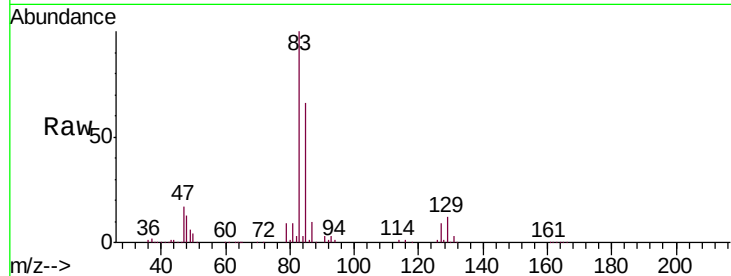




#47
Bromodichloromethane
Concen: 49.718 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

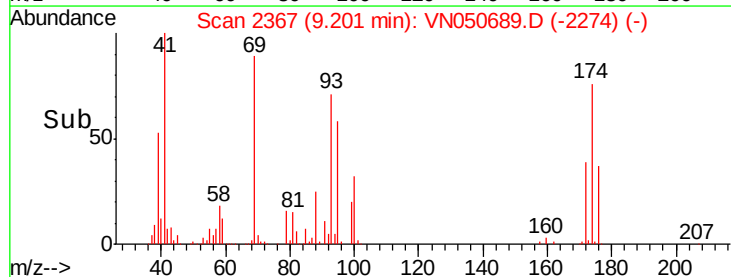
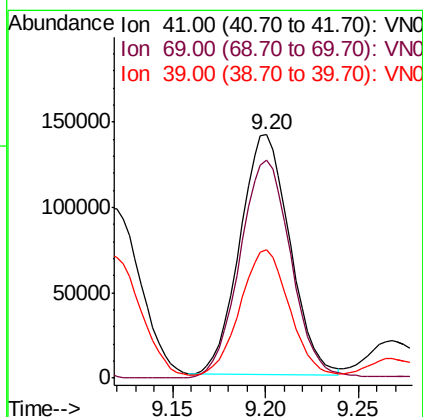
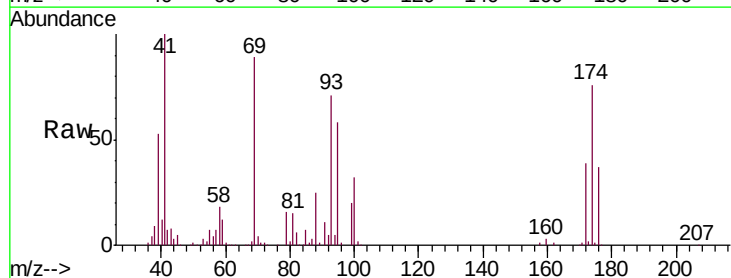
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

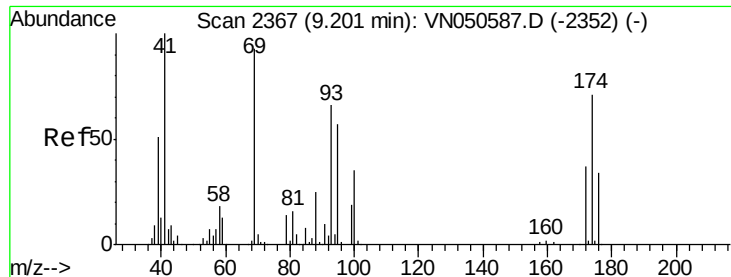
Tgt Ion: 83 Resp: 518120
Ion Ratio Lower Upper
83 100
85 65.6 51.8 77.6
127 9.1 7.2 10.8



#48
Methyl methacrylate
Concen: 49.634 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

Tgt Ion: 41 Resp: 262300
Ion Ratio Lower Upper
41 100
69 94.4 73.4 110.0
39 53.5 43.0 64.6

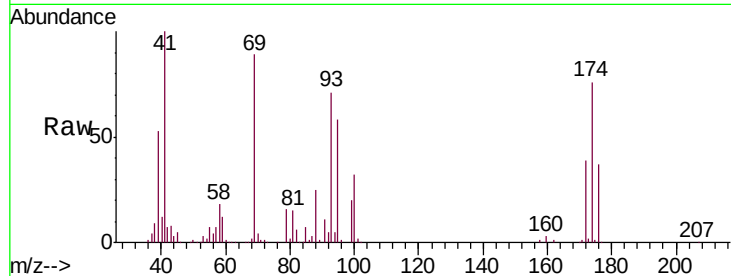




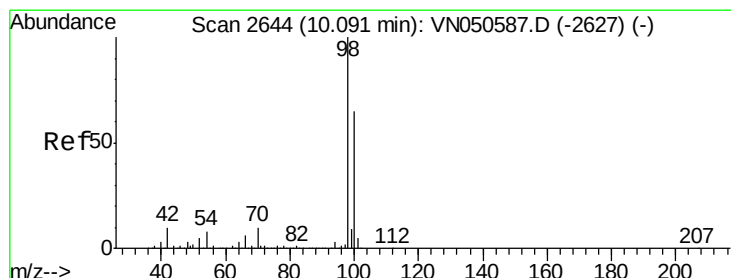
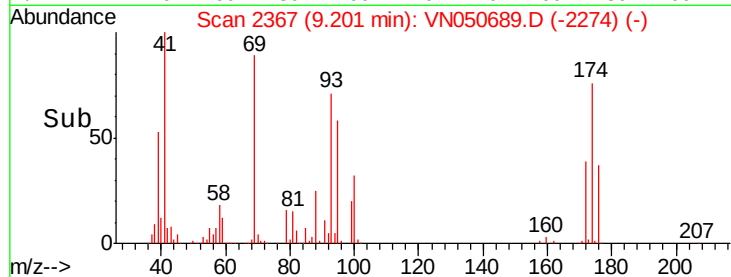
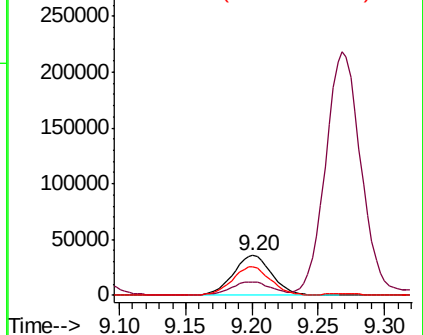
#49
1,4-Dioxane
Concen: 1040.702 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 72452
Ion Ratio Lower Upper
88 100
43 33.1 25.9 38.9
58 71.2 56.5 84.7

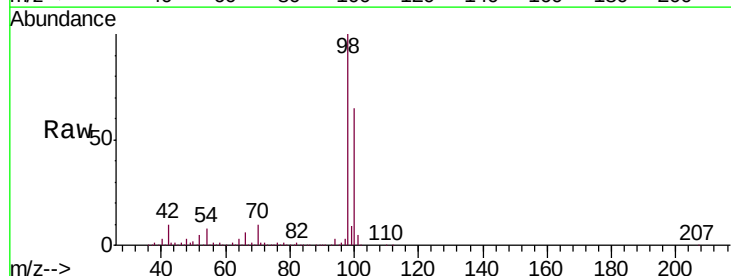


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

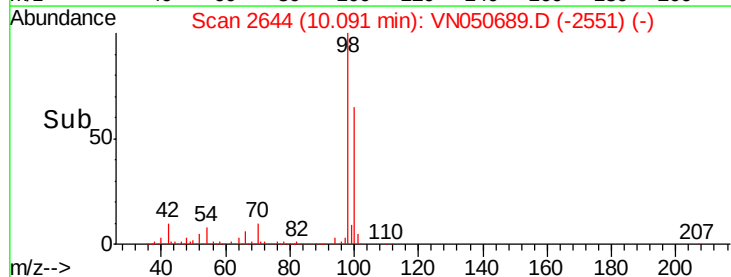
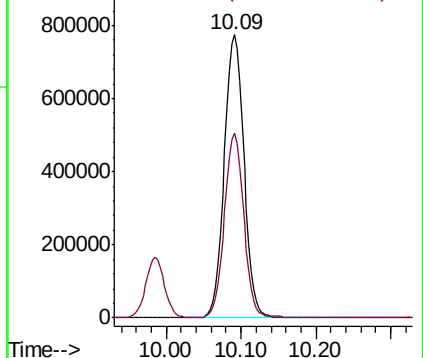


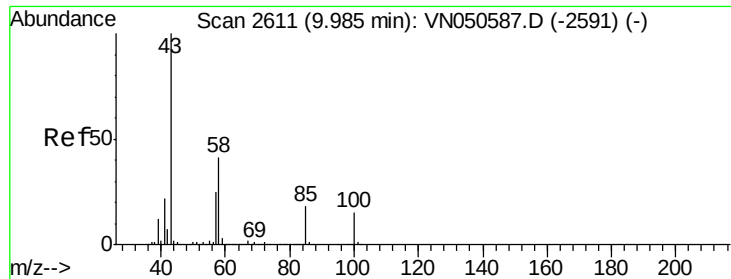
#50
Toluene-d8
Concen: 51.370 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

Tgt Ion: 98 Resp: 1413629
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.8



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: 263.853 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

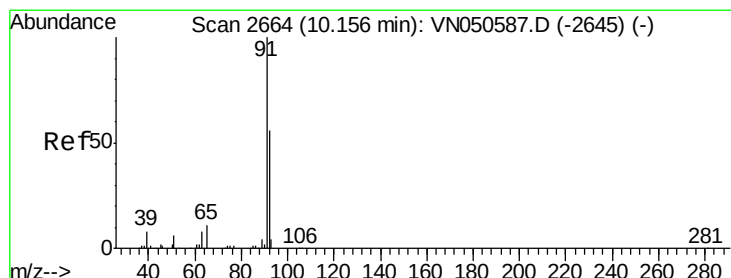
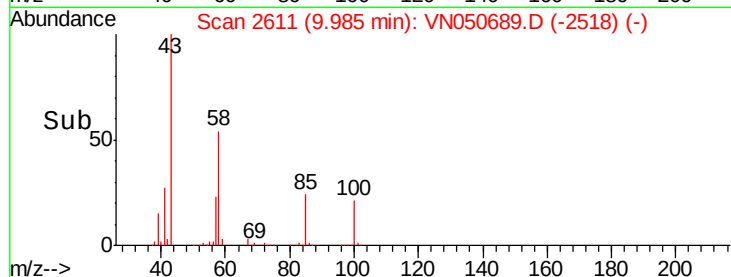
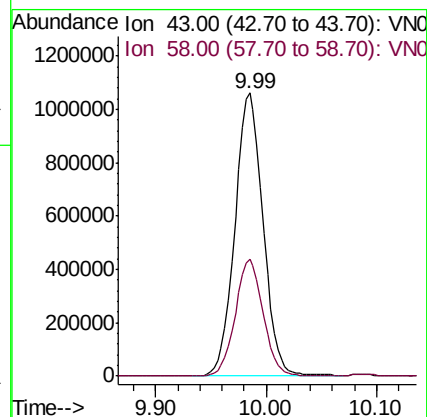
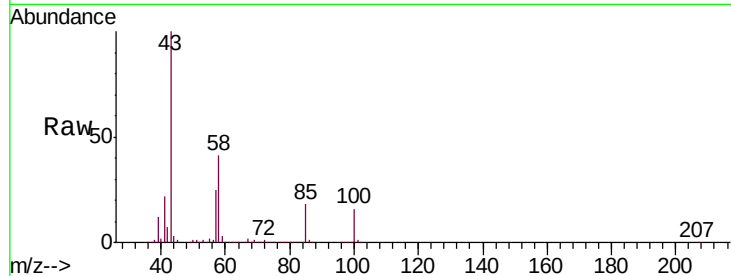
VSTDCCC050

Tgt Ion: 43 Resp: 1874116

Ion Ratio Lower Upper

43 100

58 40.8 32.5 48.7



#52

Toluene

Concen: 53.740 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050689.D

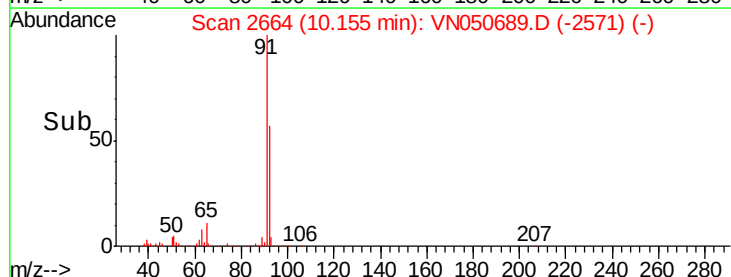
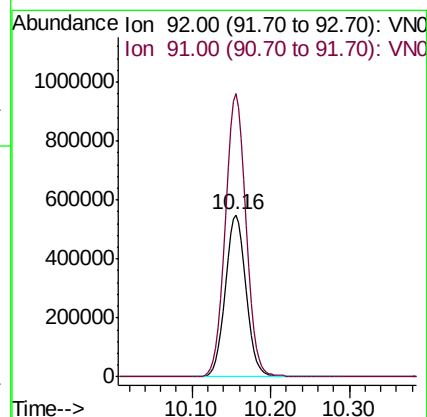
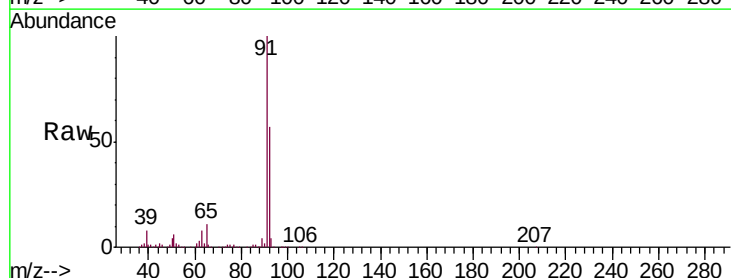
Acq: 16 Aug 2018 9:06

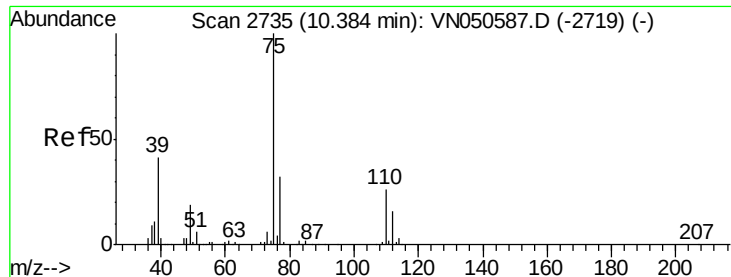
Tgt Ion: 92 Resp: 995179

Ion Ratio Lower Upper

92 100

91 175.0 141.9 212.9





#53

t-1,3-Dichloropropene

Concen: 54.568 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

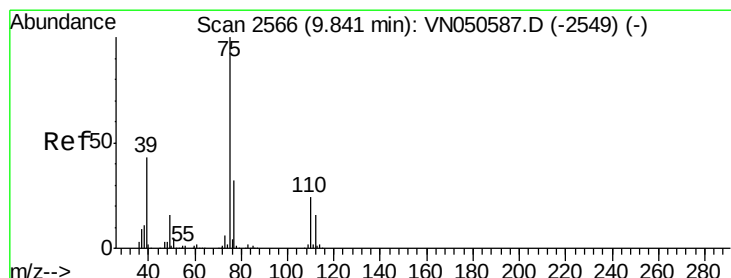
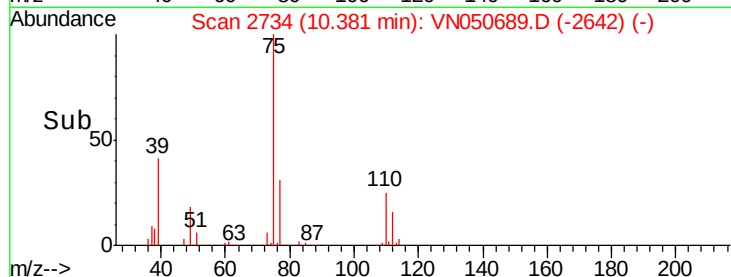
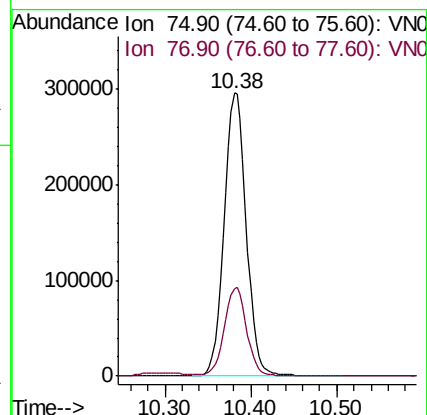
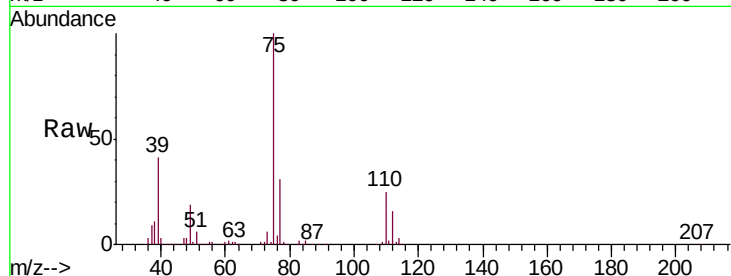
VSTDCCC050

Tgt Ion: 75 Resp: 529674

Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 54.751 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

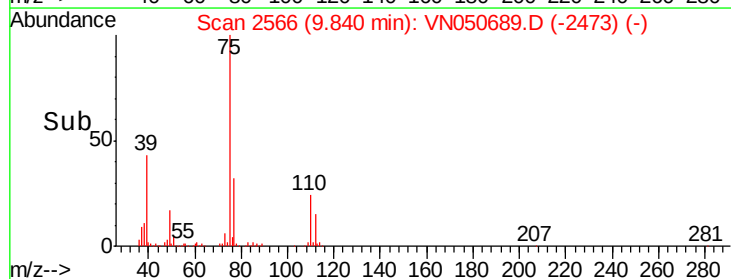
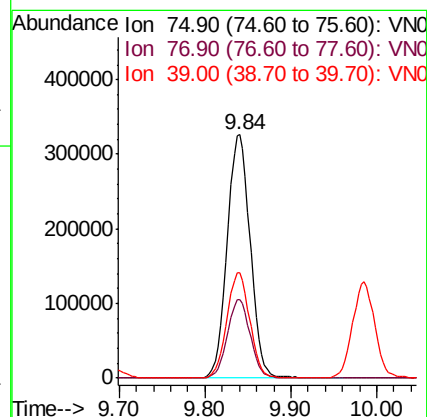
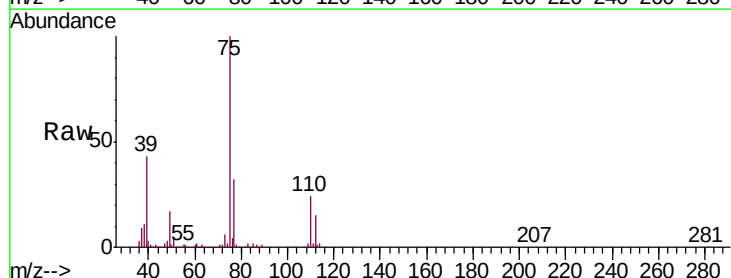
Tgt Ion: 75 Resp: 609671

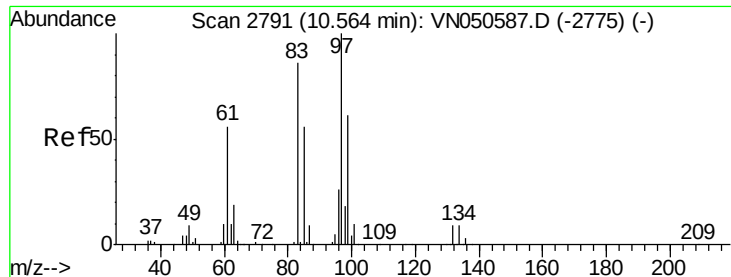
Ion Ratio Lower Upper

75 100

77 32.5 25.6 38.4

39 43.0 34.4 51.6

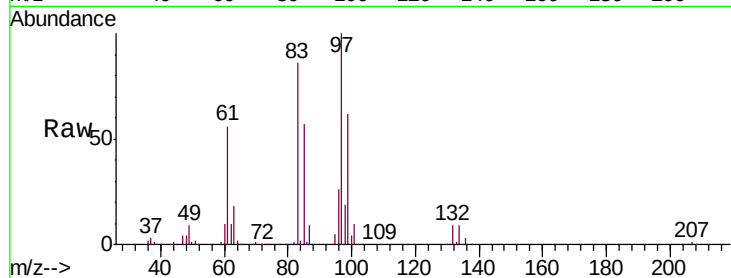




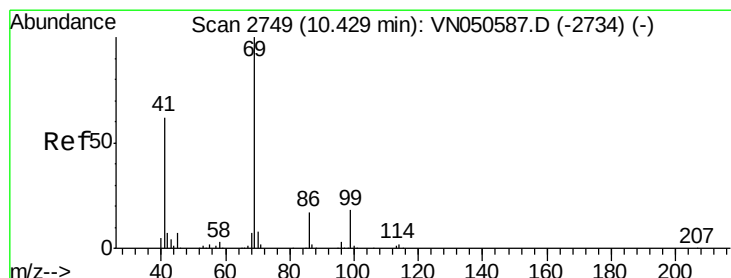
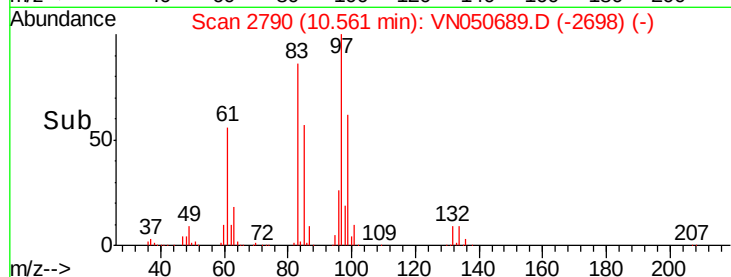
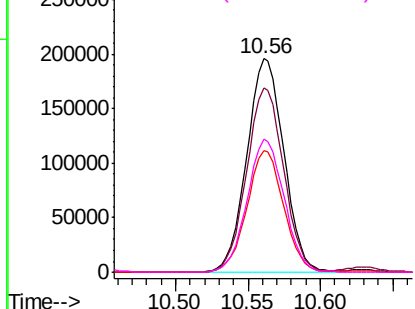
#55
 1,1,2-Trichloroethane
 Concen: 50.431 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	348897
Ion	Ratio	Lower	Upper
97	100		
83	86.3	68.5	102.7
85	57.2	44.6	66.8
99	62.1	49.1	73.7

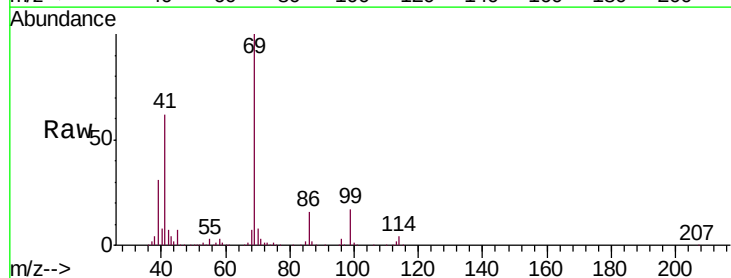


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

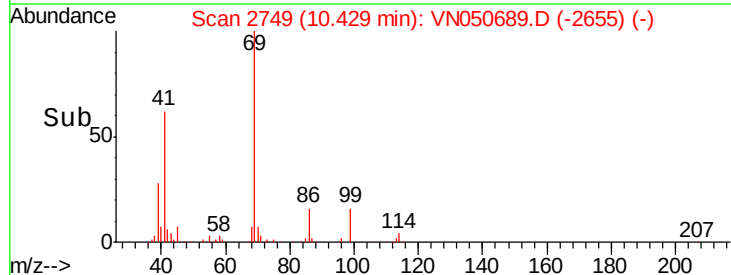
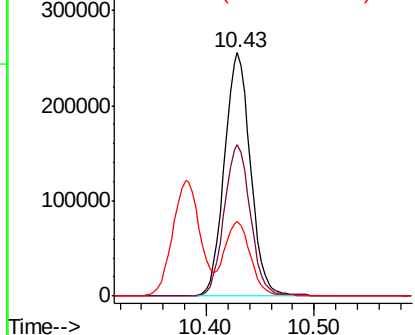


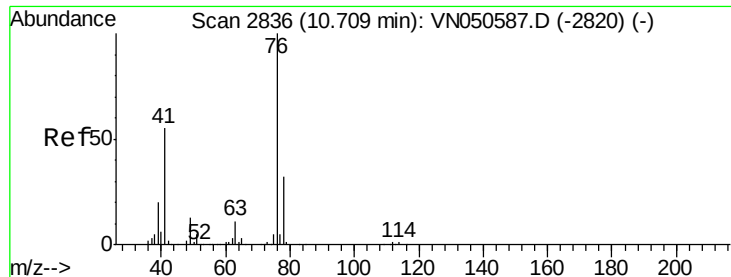
#56
 Ethyl methacrylate
 Concen: 48.878 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Tgt Ion:	69	Resp:	430976
Ion	Ratio	Lower	Upper
69	100		
41	63.0	49.7	74.5
39	31.4	24.2	36.2



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

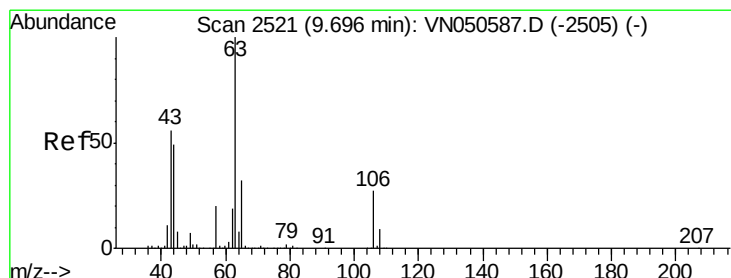
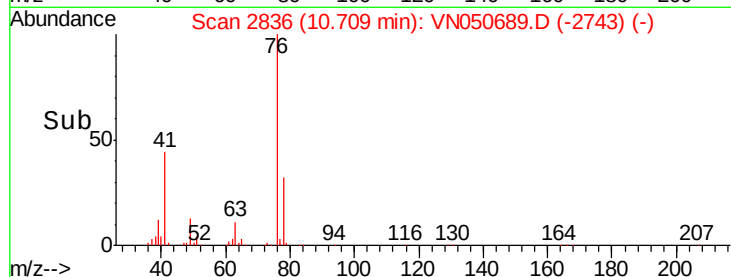
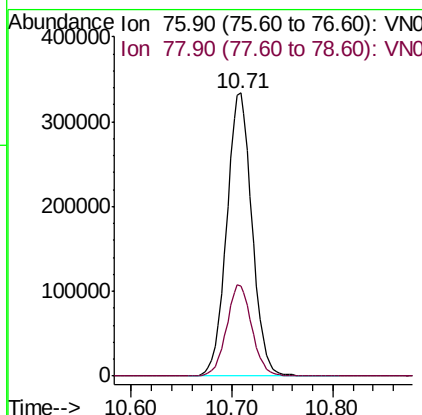
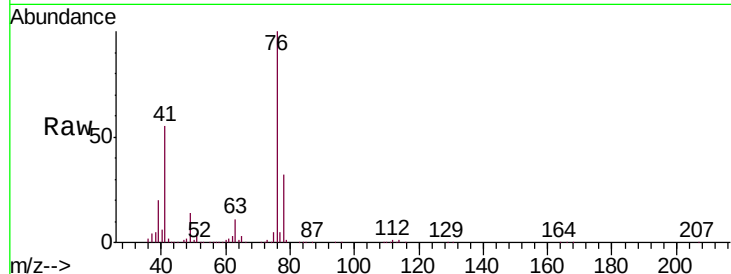




#57
 1,3-Dichloropropane
 Concen: 51.471 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

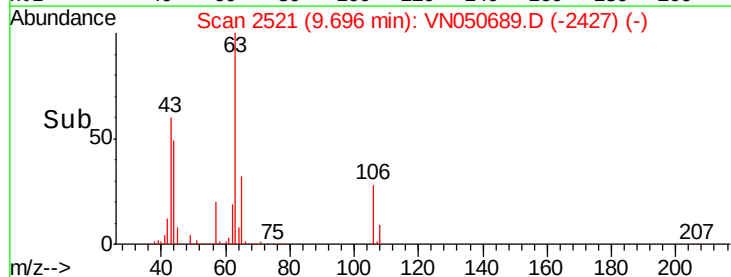
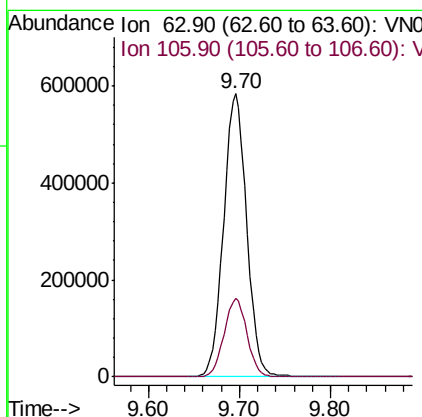
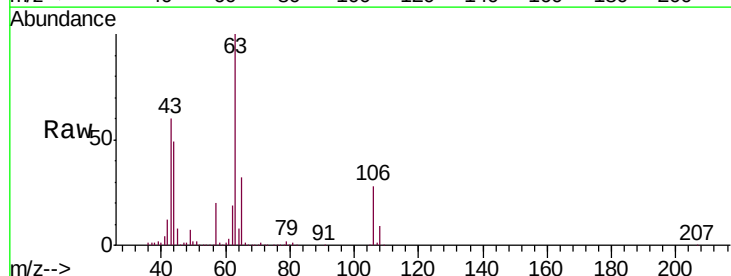
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

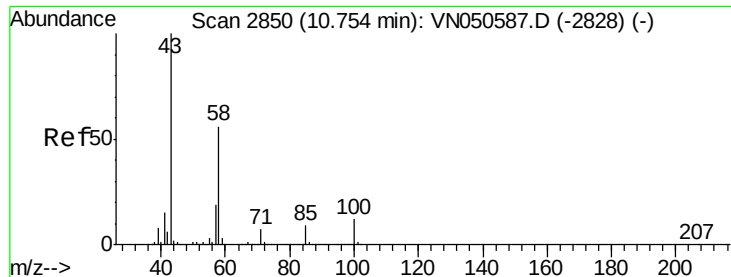
Tgt Ion: 76 Resp: 583774
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.513 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Tgt Ion: 63 Resp: 1028234
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.7 32.5

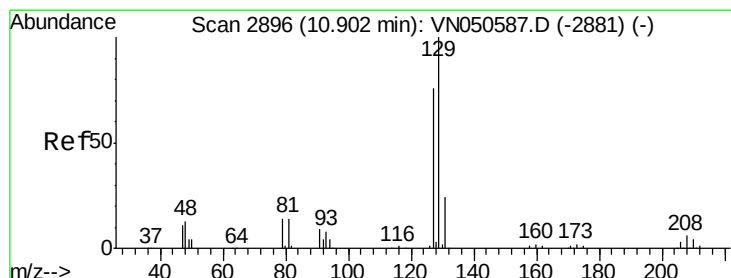
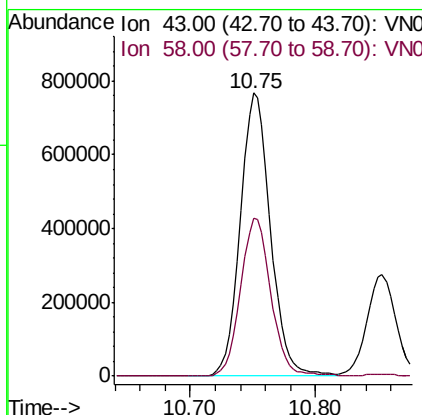
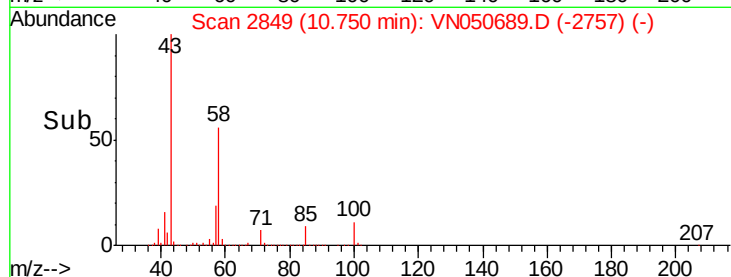
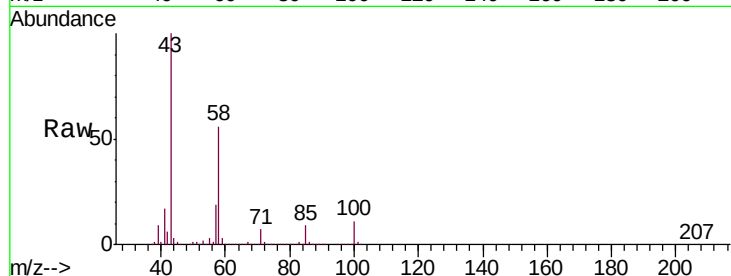




#59
2-Hexanone
Concen: 279.561 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

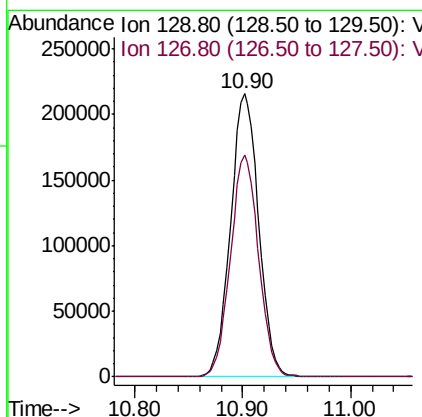
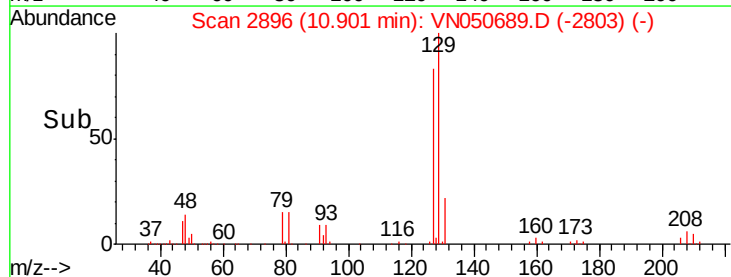
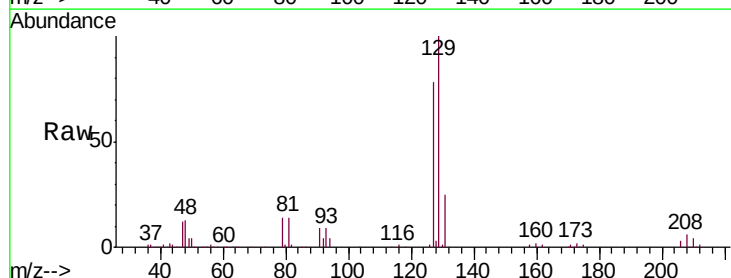
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

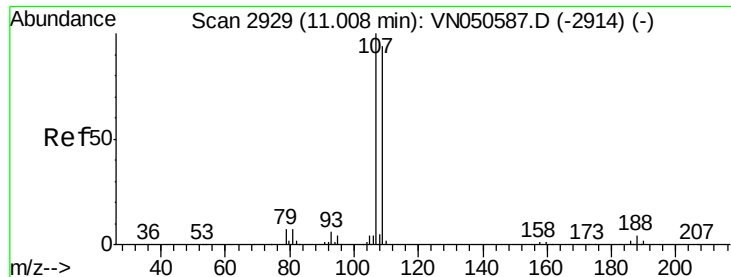
Tgt Ion: 43 Resp: 1281605
Ion Ratio Lower Upper
43 100
58 56.4 28.0 84.0



#60
Dibromochloromethane
Concen: 51.369 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

Tgt Ion: 129 Resp: 392214
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7

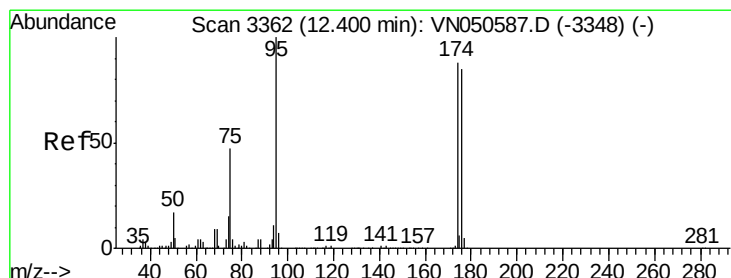
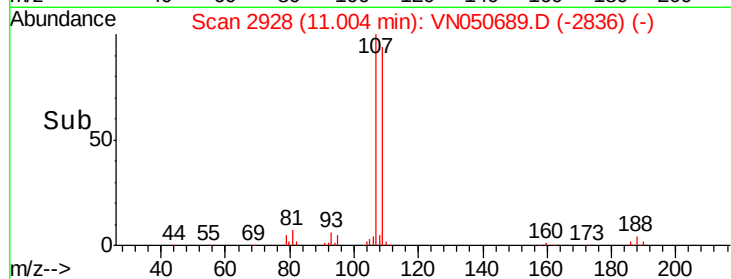
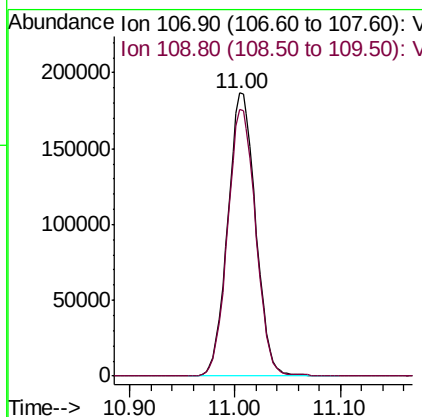
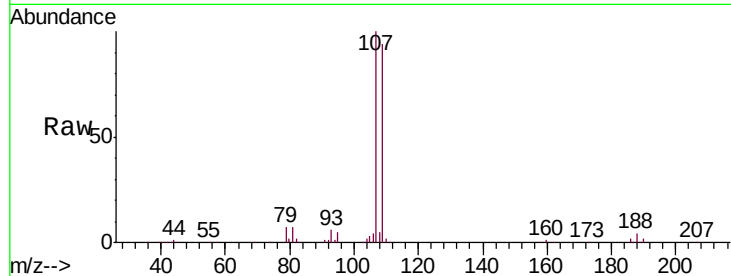




#61
 1,2-Dibromoethane
 Concen: 51.734 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

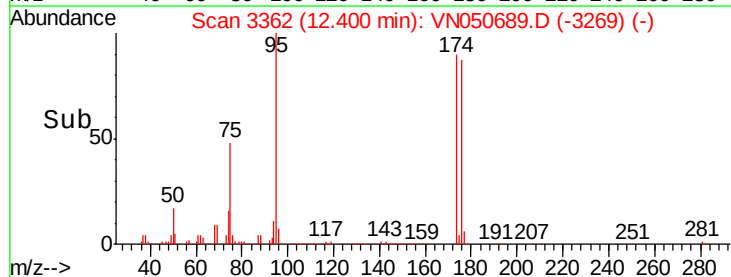
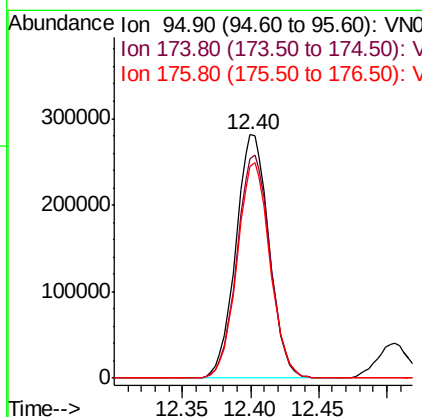
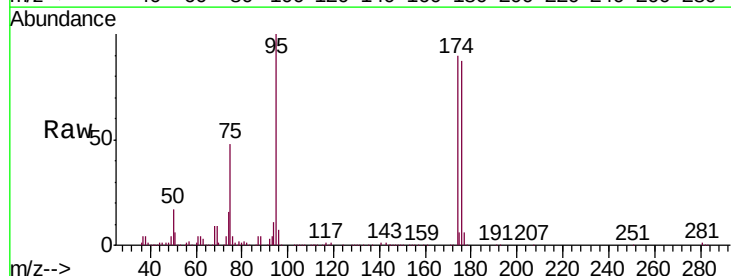
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

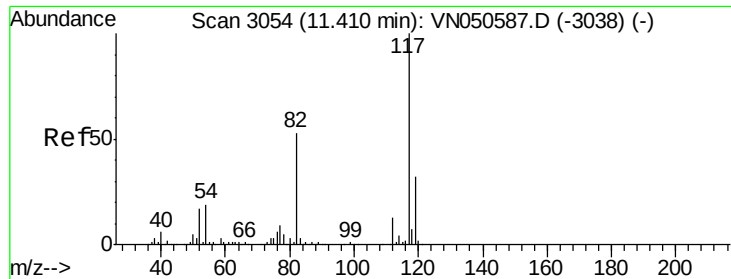
Tgt Ion: 107 Resp: 340845
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 52.323 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Tgt Ion: 95 Resp: 475673
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 177.8
 176 87.5 0.0 175.0

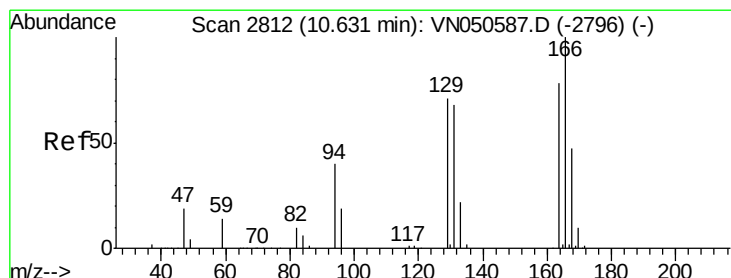
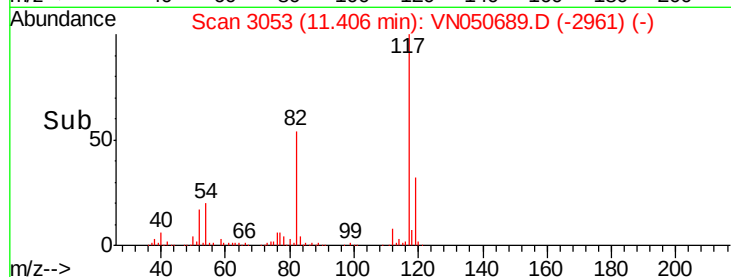
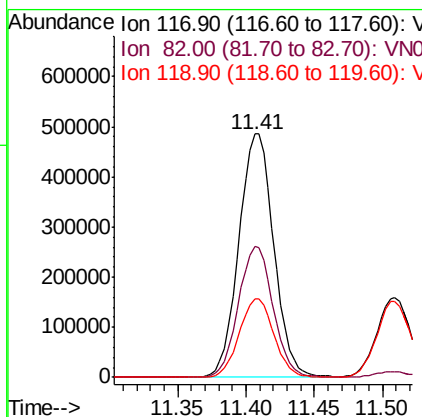
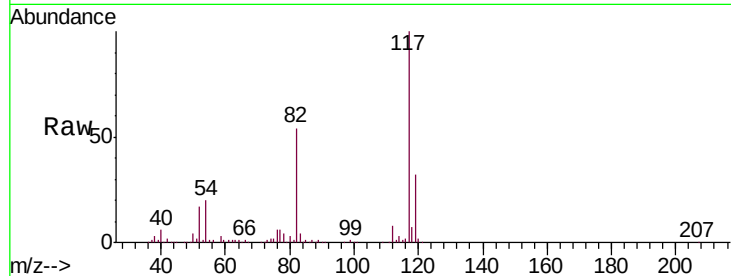




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

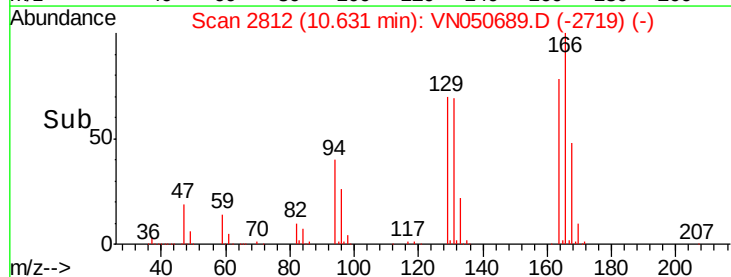
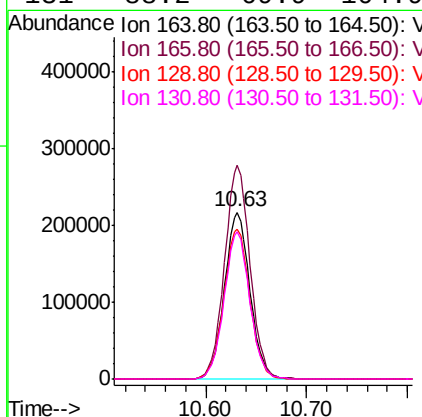
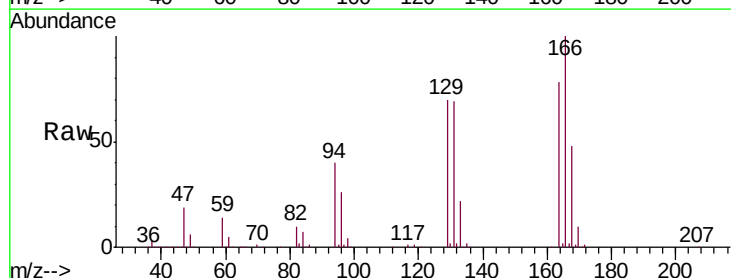
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

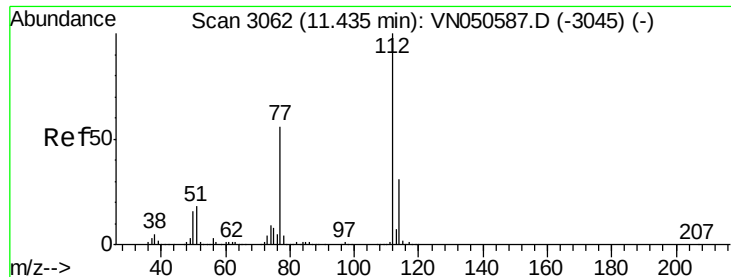
Tgt Ion:117 Resp: 863743
Ion Ratio Lower Upper
117 100
82 53.6 42.4 63.6
119 32.1 25.8 38.8



#64
Tetrachloroethene
Concen: 47.893 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

Tgt Ion:164 Resp: 384173
Ion Ratio Lower Upper
164 100
166 128.2 102.1 153.1
129 90.1 72.7 109.1
131 88.2 69.9 104.9





#65

Chlorobenzene

Concen: 50.340 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

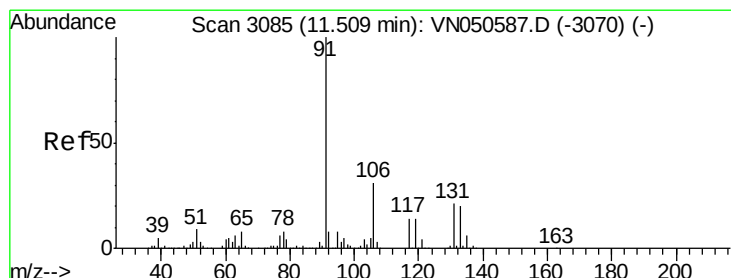
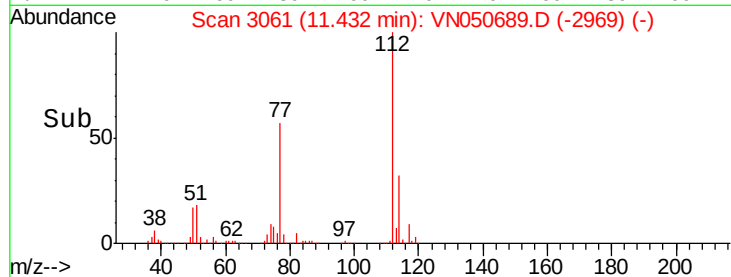
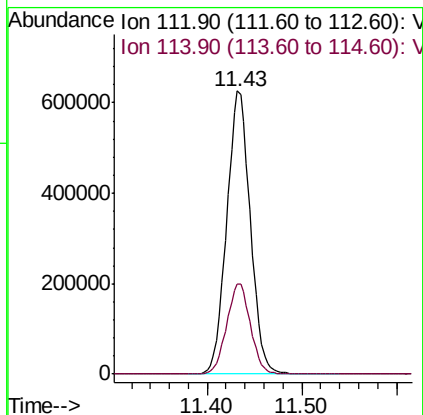
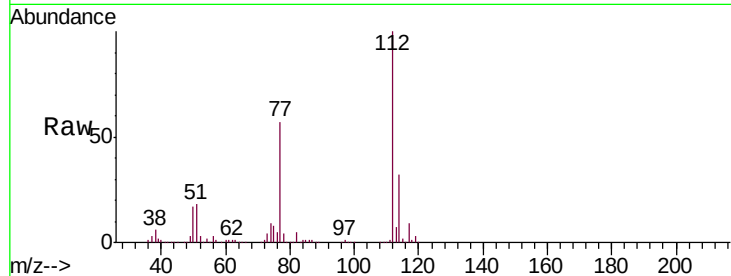
VSTDCCC050

Tgt Ion:112 Resp: 1082115

Ion Ratio Lower Upper

112 100

114 31.9 25.2 37.8



#66

1,1,1,2-Tetrachloroethane

Concen: 49.160 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

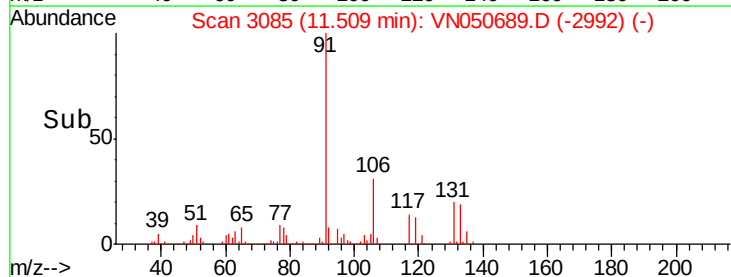
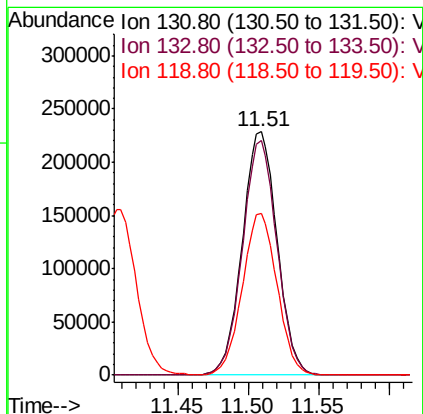
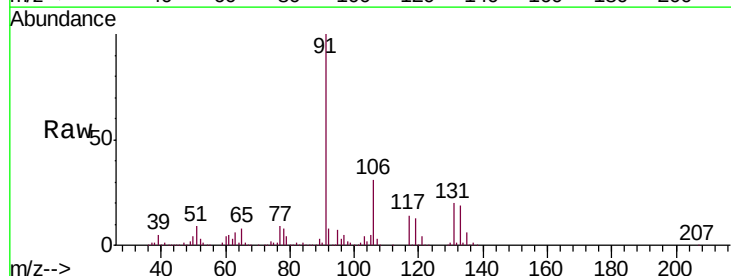
Tgt Ion:131 Resp: 396135

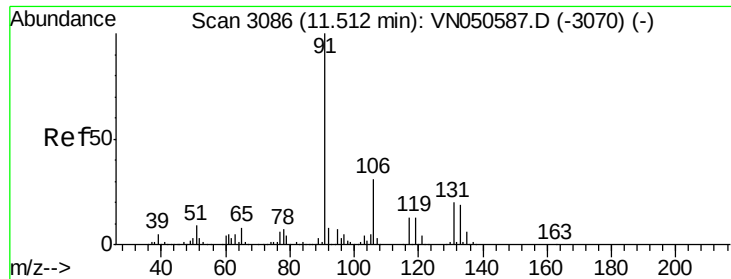
Ion Ratio Lower Upper

131 100

133 95.4 47.6 142.9

119 66.2 33.1 99.3





#67

Ethyl Benzene

Concen: 53.969 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

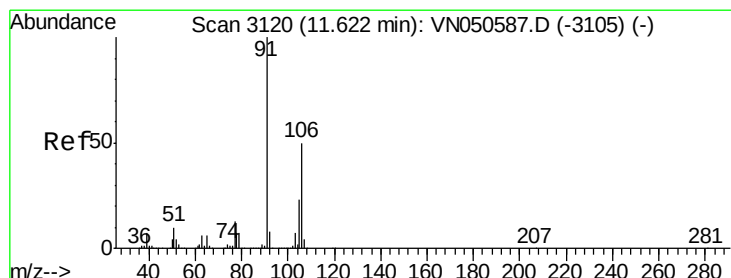
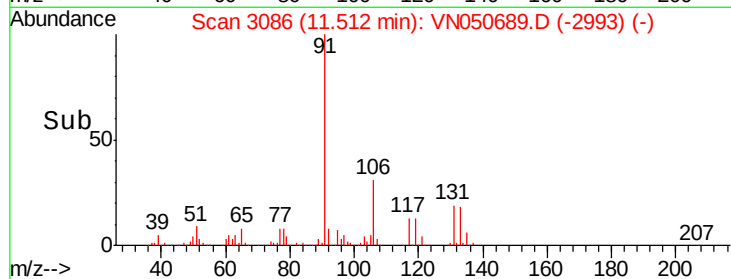
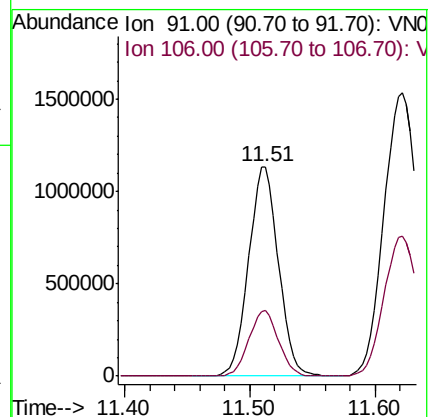
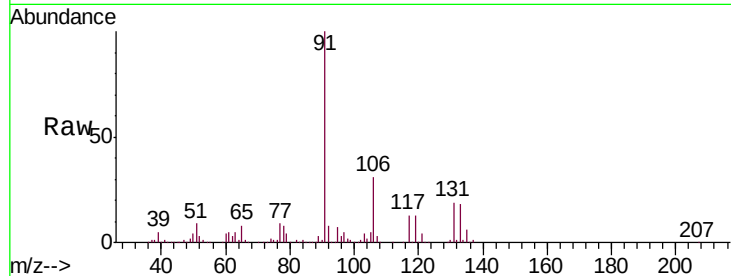
VSTDCCC050

Tgt Ion: 91 Resp: 1873254

Ion Ratio Lower Upper

91 100

106 31.1 24.8 37.2



#68

m/p-Xylenes

Concen: 110.381 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050689.D

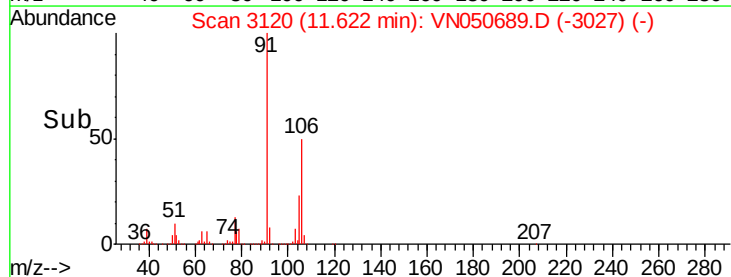
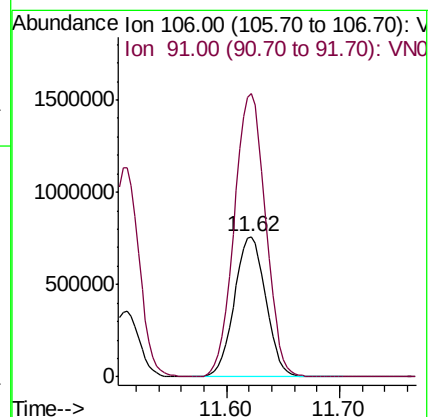
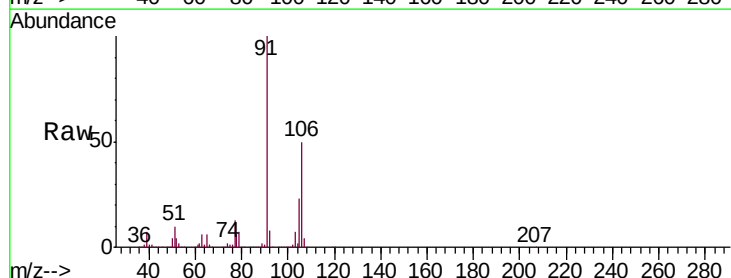
Acq: 16 Aug 2018 9:06

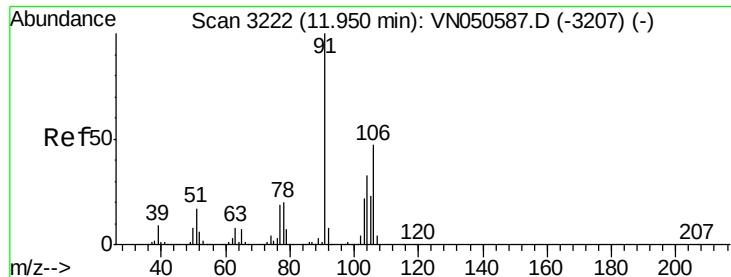
Tgt Ion: 106 Resp: 1465355

Ion Ratio Lower Upper

106 100

91 202.1 161.5 242.3

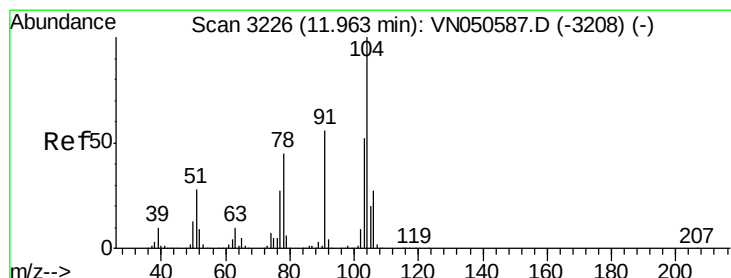
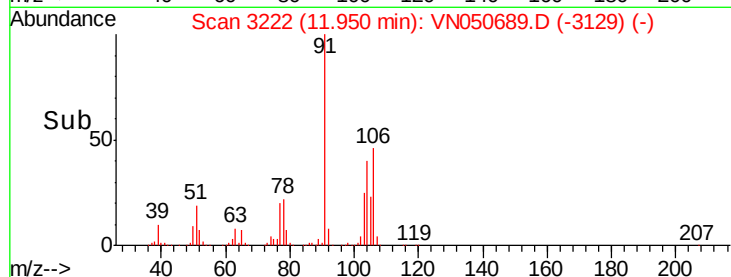
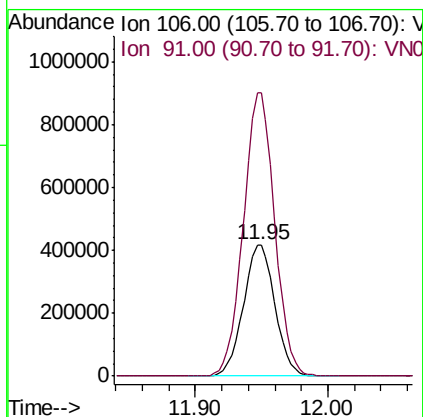
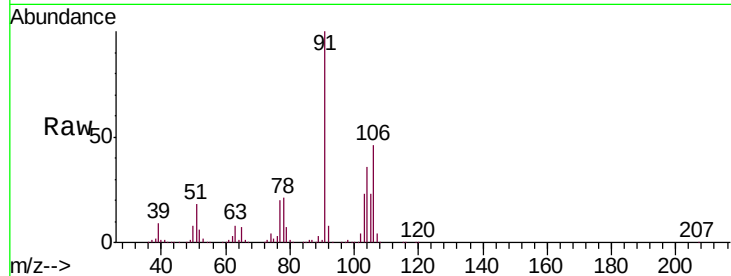




#69
o-Xylene
Concen: 54.168 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

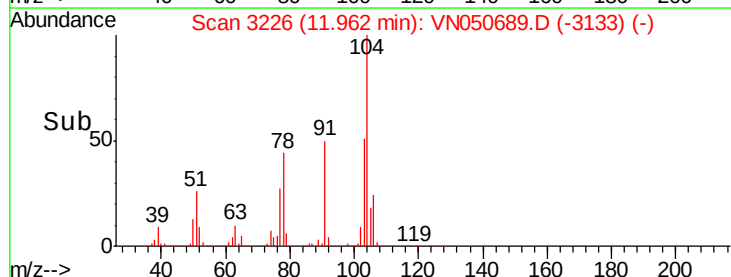
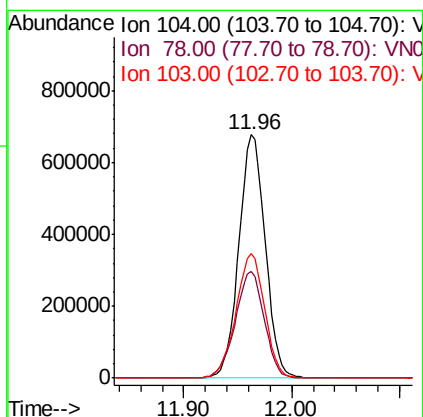
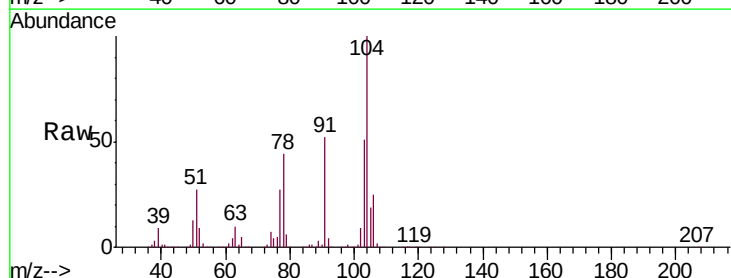
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

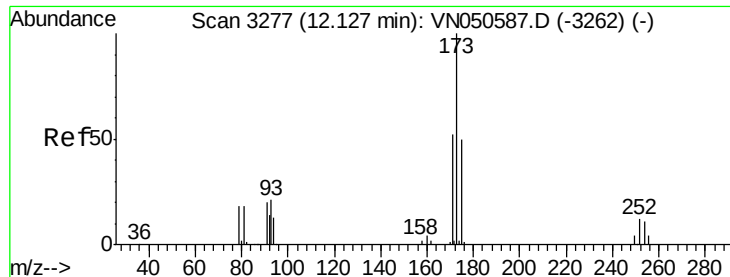
Tgt Ion:106 Resp: 685670
Ion Ratio Lower Upper
106 100
91 214.8 106.8 320.4



#70
Styrene
Concen: 51.364 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

Tgt Ion:104 Resp: 1156895
Ion Ratio Lower Upper
104 100
78 48.1 39.1 58.7
103 55.5 44.9 67.3





#71

Bromoform

Concen: 50.642 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

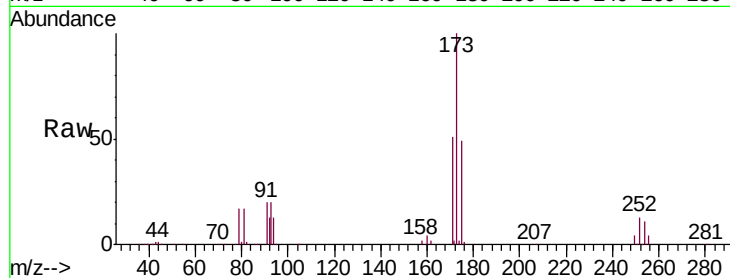
Tgt Ion:173 Resp: 270597

Ion Ratio Lower Upper

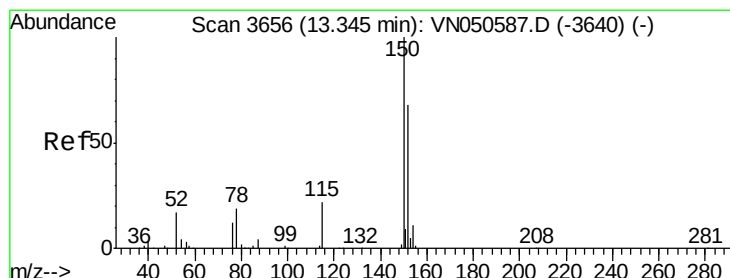
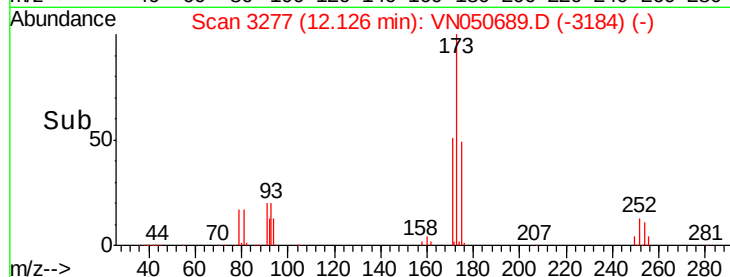
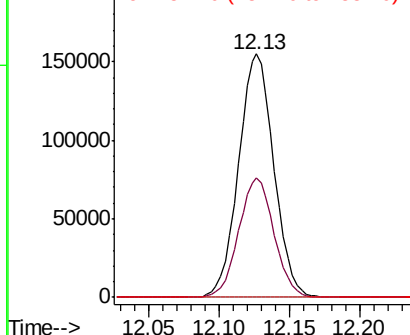
173 100

175 49.0 24.4 73.2

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

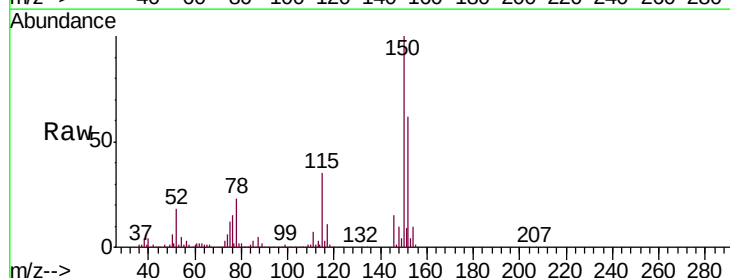
Tgt Ion:152 Resp: 468017

Ion Ratio Lower Upper

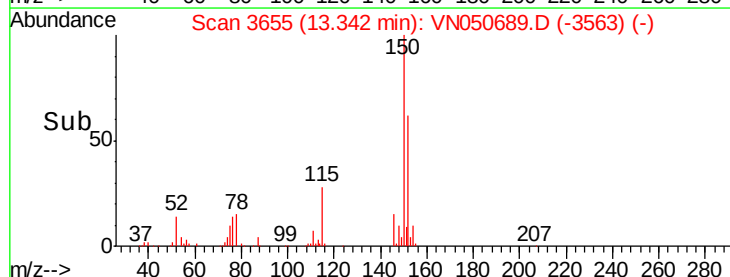
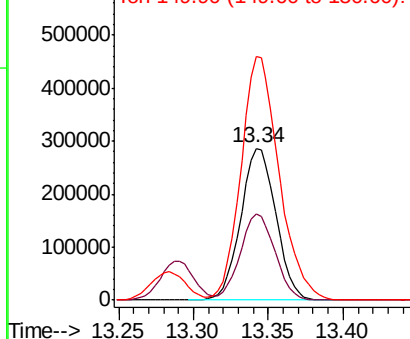
152 100

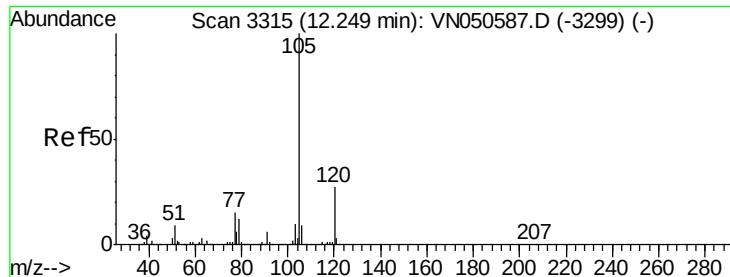
115 55.9 28.1 84.2

150 174.1 0.0 347.8



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





#73

Isopropylbenzene

Concen: 50.662 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

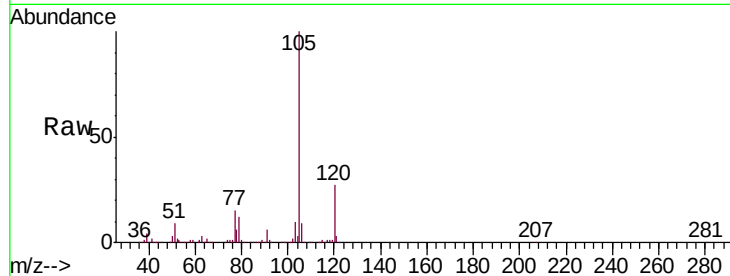
VSTDCCC050

Tgt Ion:105 Resp: 1852524

Ion Ratio Lower Upper

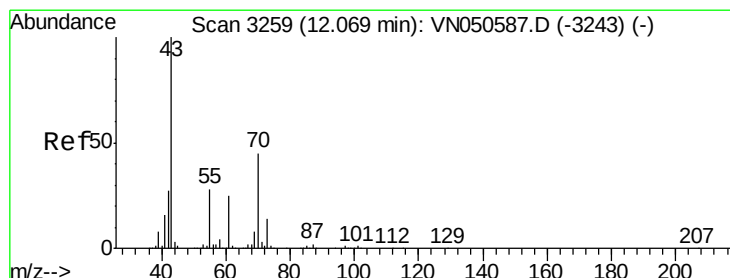
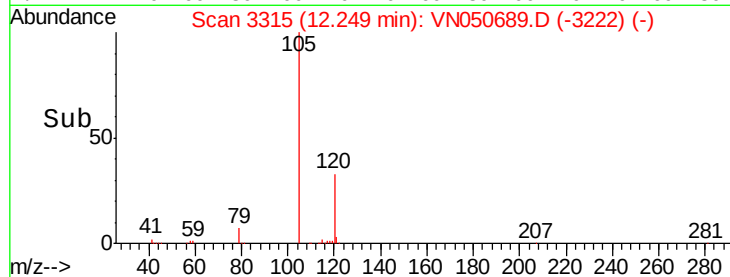
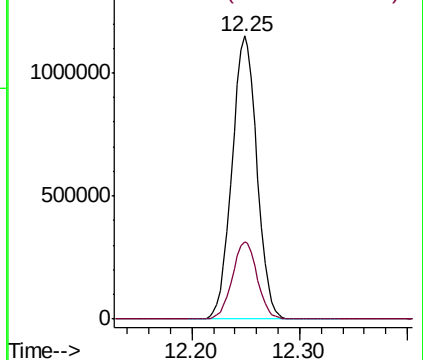
105 100

120 27.2 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 48.554 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Tgt Ion: 43 Resp: 461910

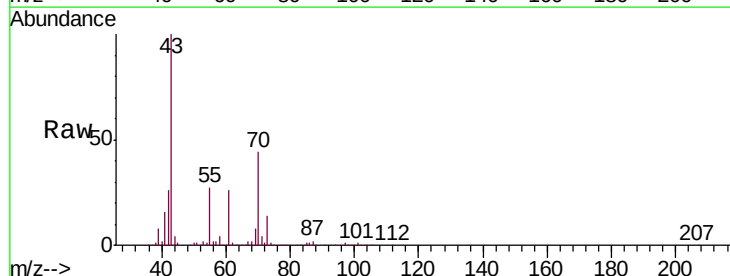
Ion Ratio Lower Upper

43 100

70 44.6 35.9 53.9

55 27.6 22.2 33.4

61 25.4 20.0 30.0

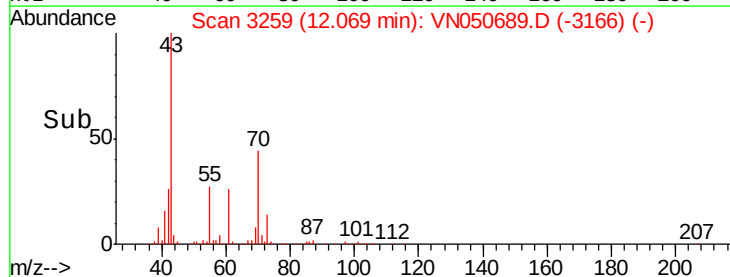
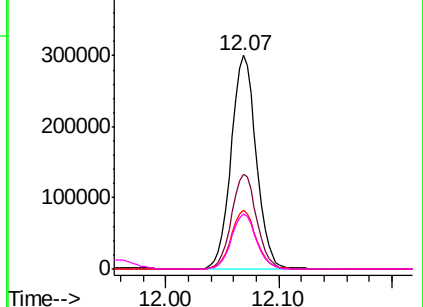


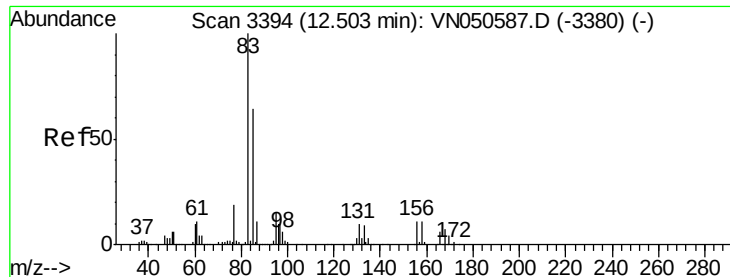
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.033 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

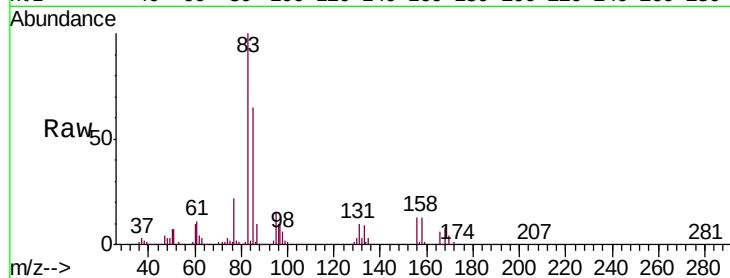
Tgt Ion: 83 Resp: 432839

Ion Ratio Lower Upper

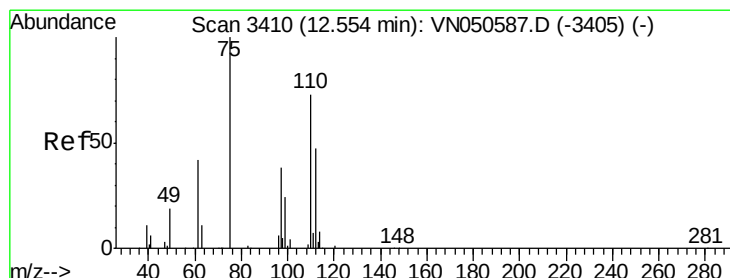
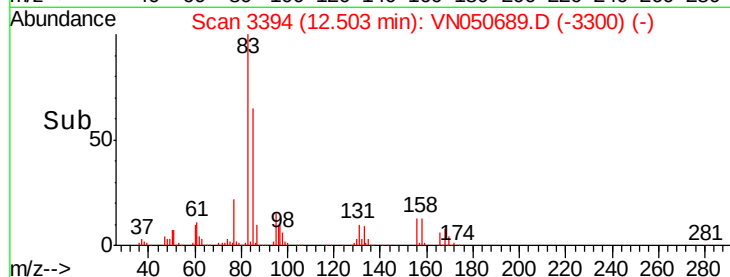
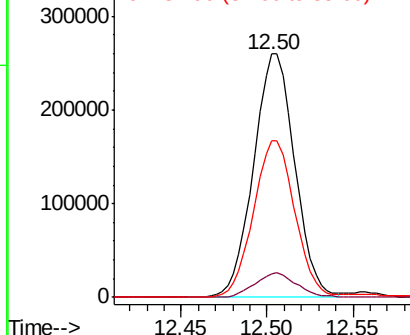
83 100

131 10.2 5.3 15.9

85 64.6 32.1 96.5



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



#76

1,2,3-Trichloropropane

Concen: 69.827 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050689.D

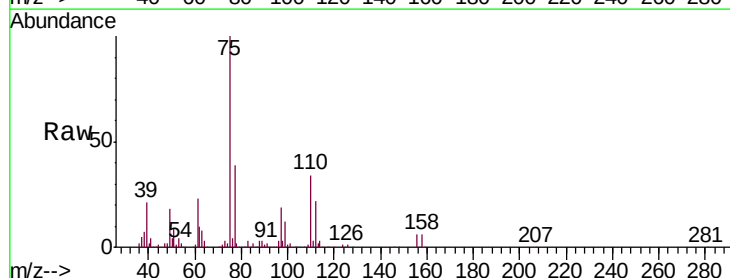
Acq: 16 Aug 2018 9:06

Tgt Ion: 75 Resp: 524932

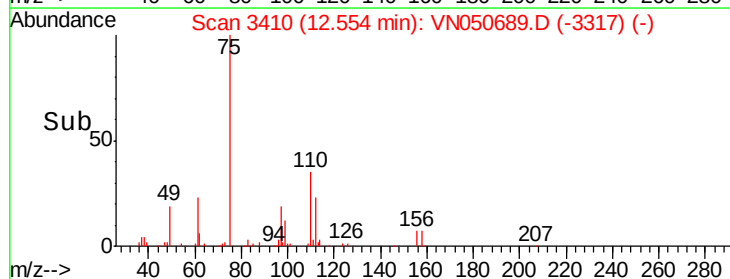
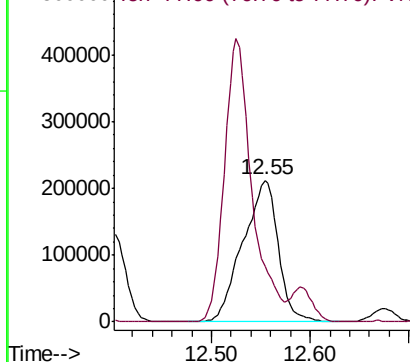
Ion Ratio Lower Upper

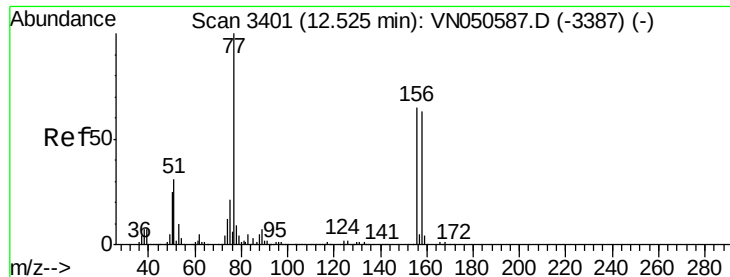
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 47.379 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

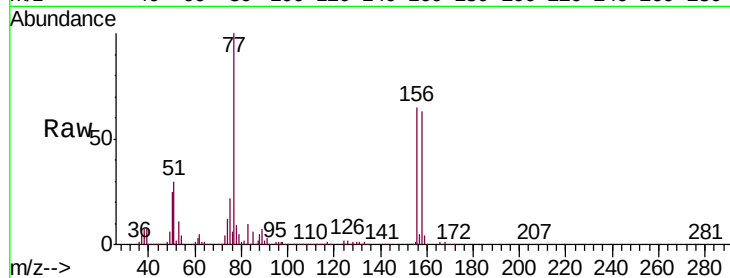
Tgt Ion:156 Resp: 470371

Ion Ratio Lower Upper

156 100

77 177.4 89.0 267.1

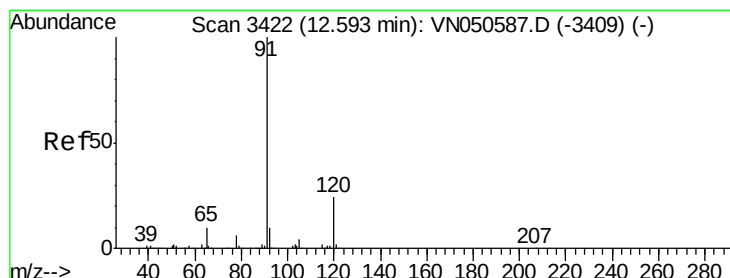
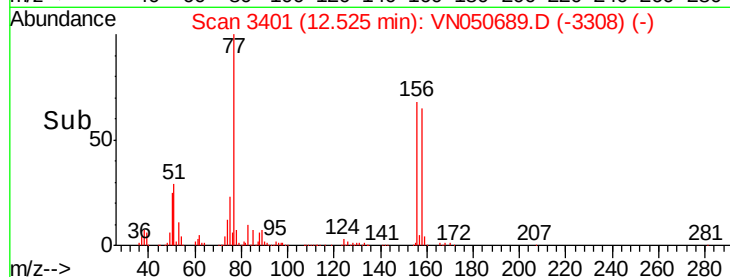
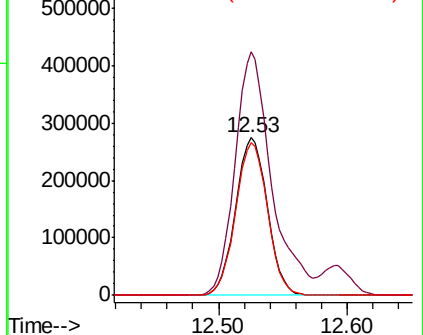
158 97.1 48.5 145.6



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: 52.932 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050689.D

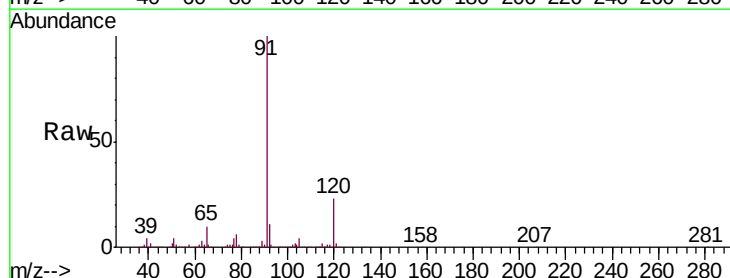
Acq: 16 Aug 2018 9:06

Tgt Ion: 91 Resp: 2158305

Ion Ratio Lower Upper

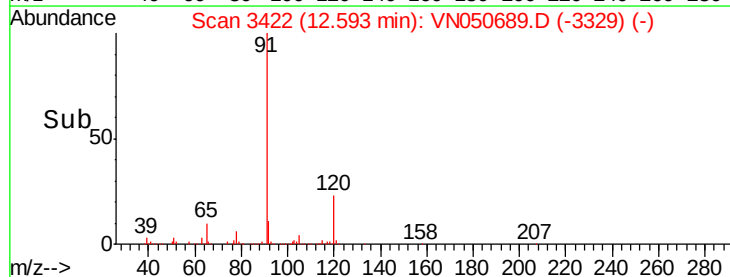
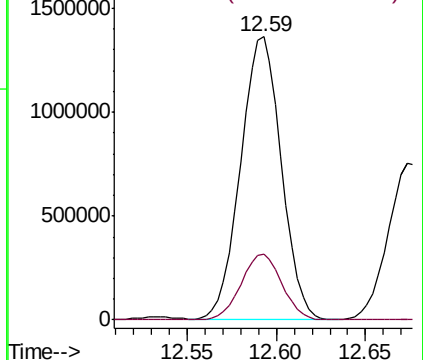
91 100

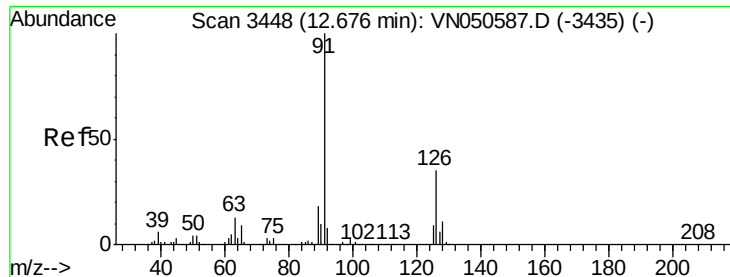
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.725 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

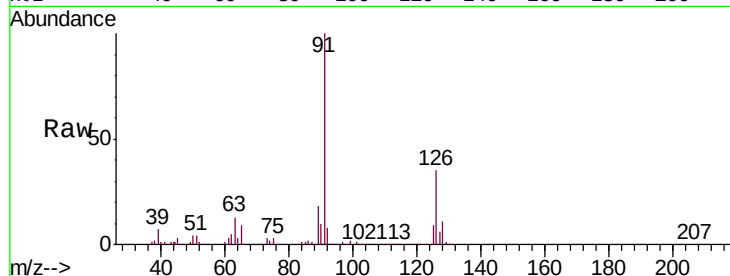
VSTDCCC050

Tgt Ion: 91 Resp: 1264087

Ion Ratio Lower Upper

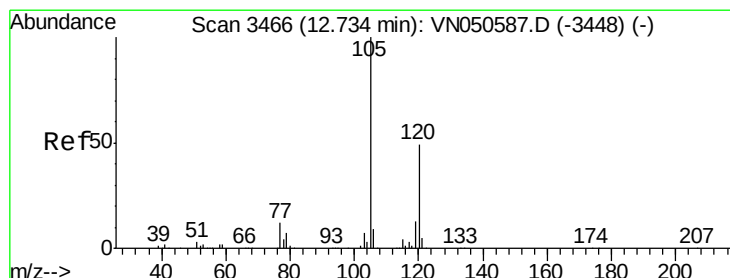
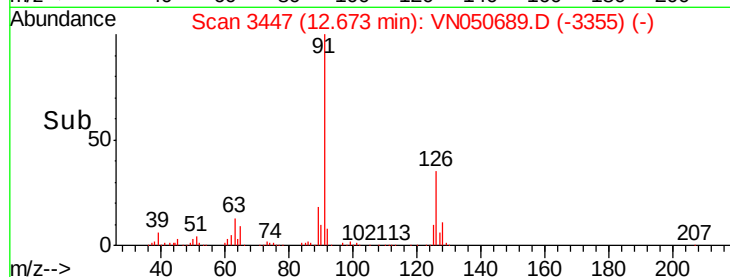
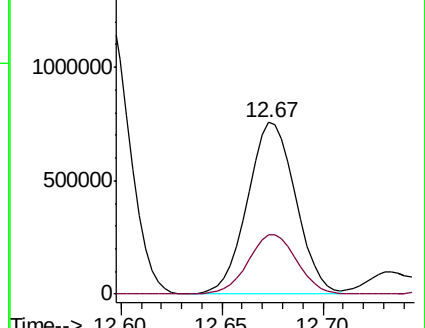
91 100

126 35.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050587.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.813 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050689.D

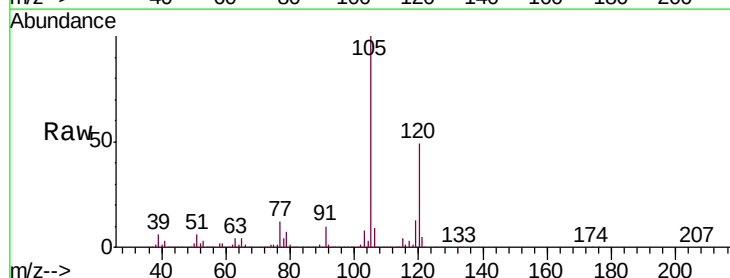
Acq: 16 Aug 2018 9:06

Tgt Ion: 105 Resp: 1546234

Ion Ratio Lower Upper

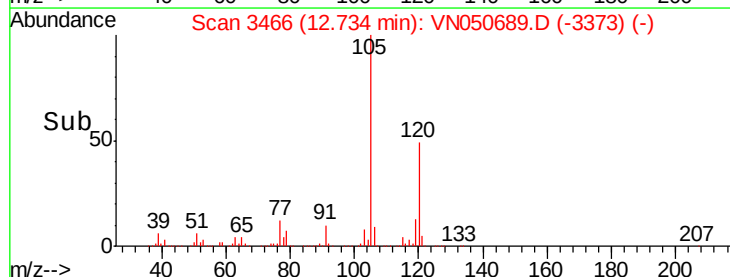
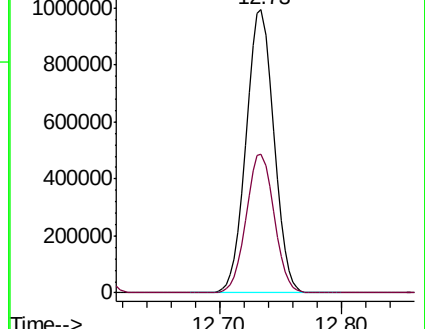
105 100

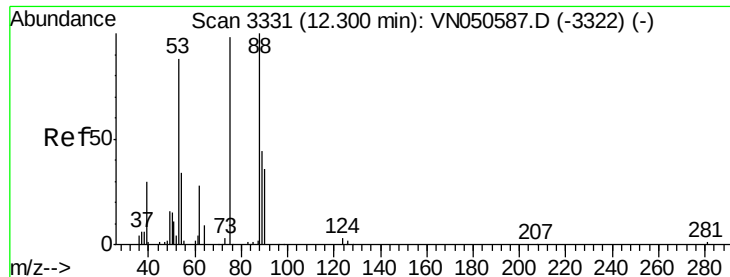
120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN050587.D (-3448) (-)

Ion 120.00 (119.70 to 120.70): VN050587.D (-3448) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.623 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

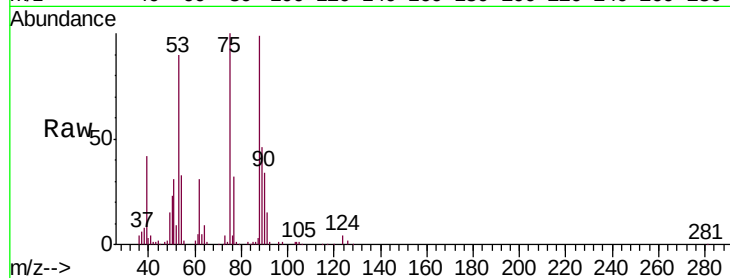
Tgt Ion: 75 Resp: 112884

Ion Ratio Lower Upper

75 100

53 88.3 72.2 108.2

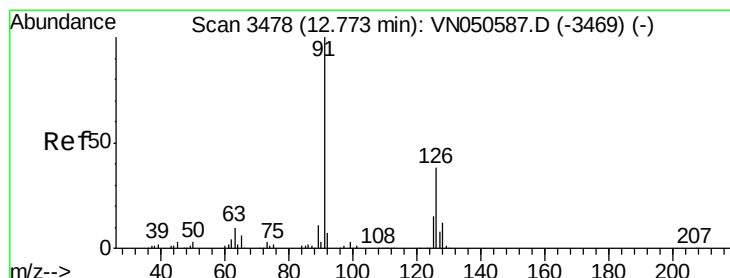
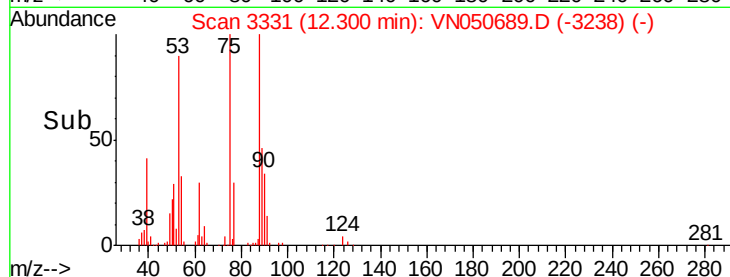
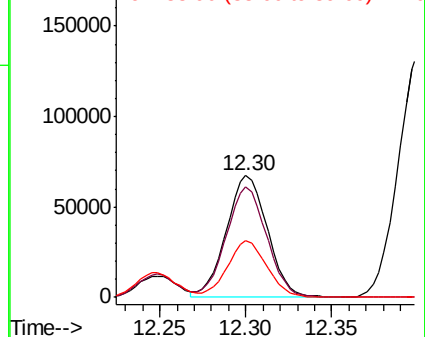
89 44.6 36.3 54.5



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: 51.636 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050689.D

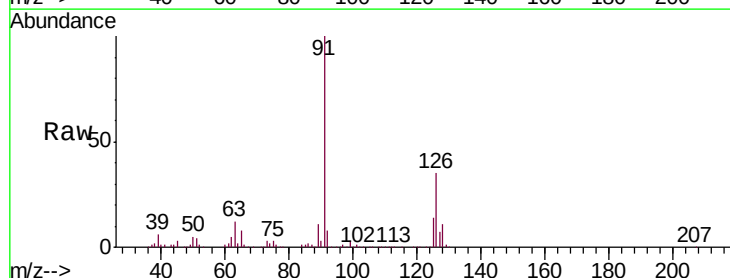
Acq: 16 Aug 2018 9:06

Tgt Ion: 91 Resp: 1297173

Ion Ratio Lower Upper

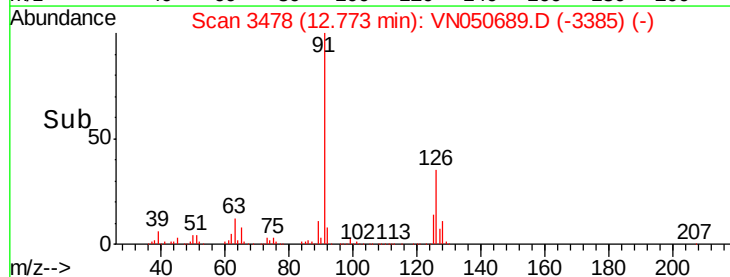
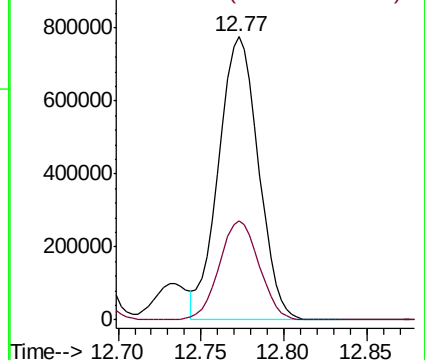
91 100

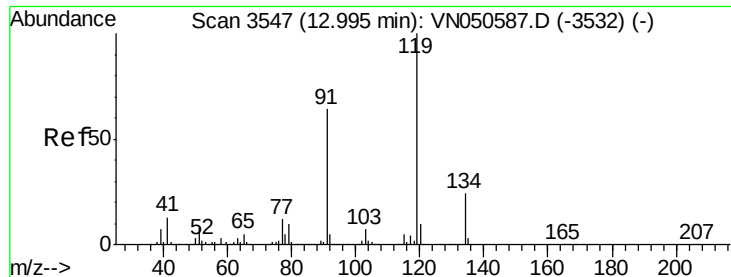
126 34.8 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

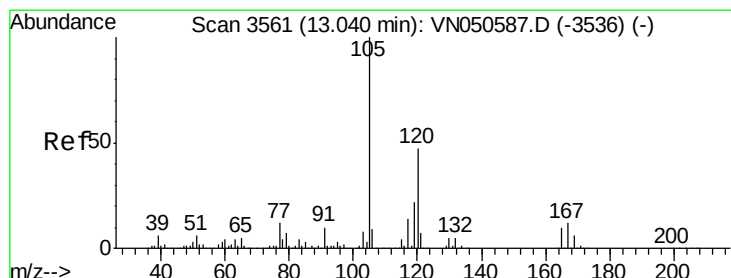
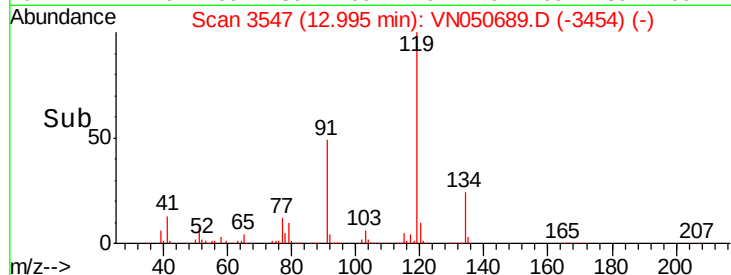
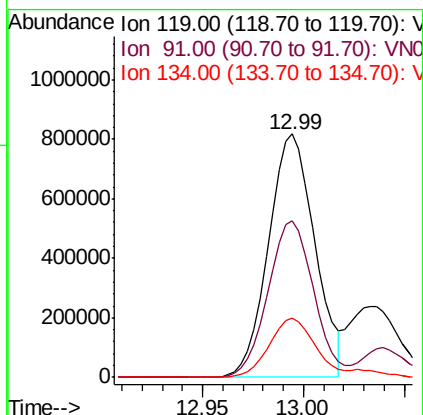
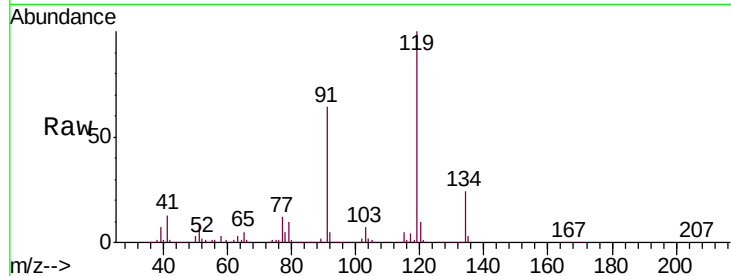




#83
 tert-Butylbenzene
 Concen: 51.255 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

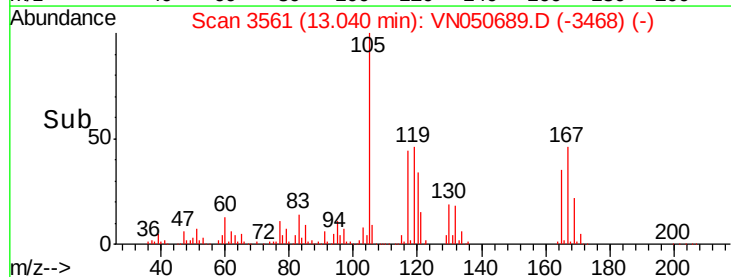
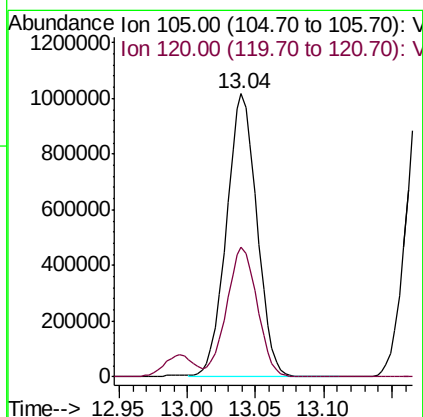
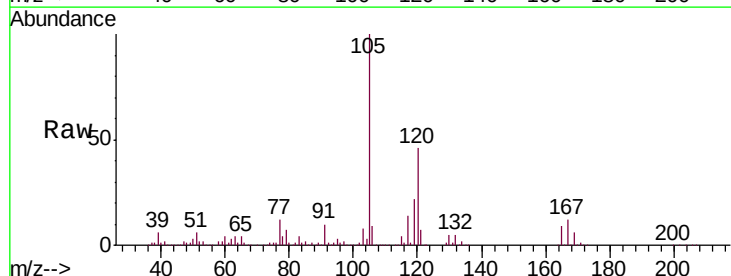
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

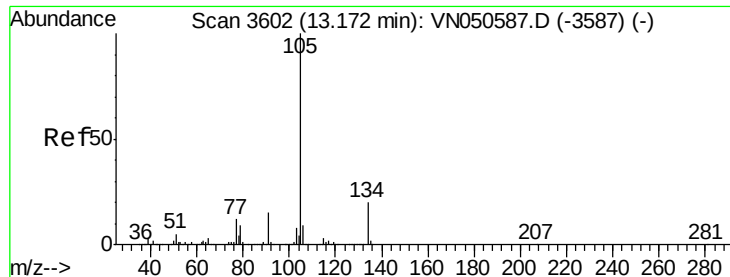
Tgt Ion:119 Resp: 1302589
 Ion Ratio Lower Upper
 119 100
 91 63.3 32.2 96.6
 134 26.5 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 53.652 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Tgt Ion:105 Resp: 1576585
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.2 69.5





#85

sec-Butylbenzene

Concen: 53.262 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

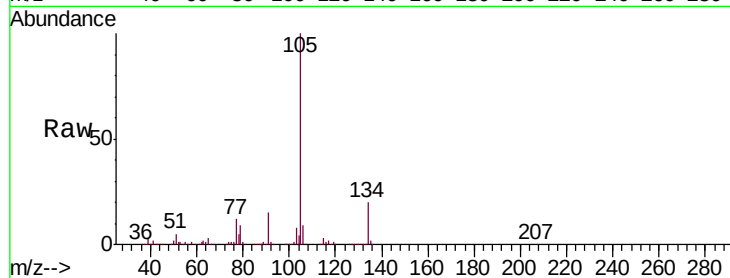
VSTDCCC050

Tgt Ion:105 Resp: 1768903

Ion Ratio Lower Upper

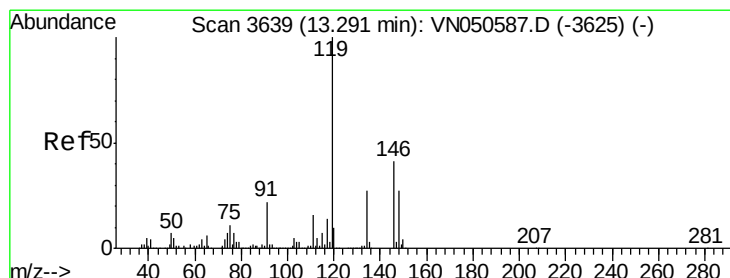
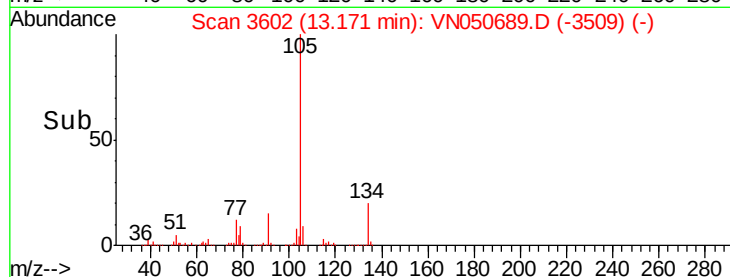
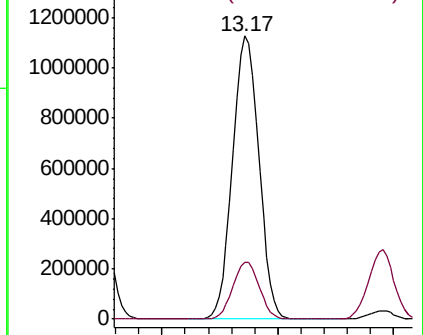
105 100

134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.434 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

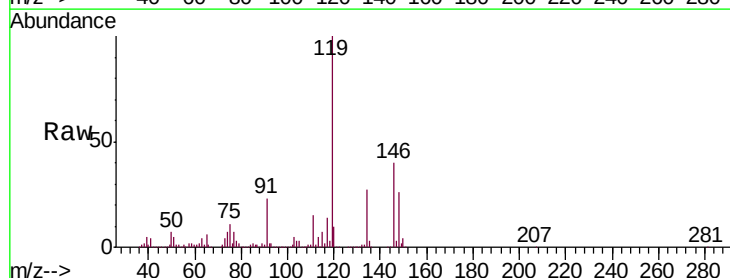
Tgt Ion:119 Resp: 1559980

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

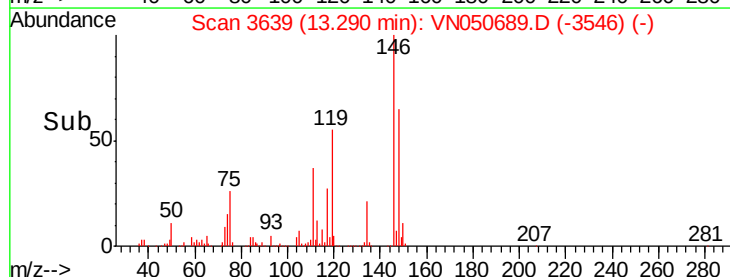
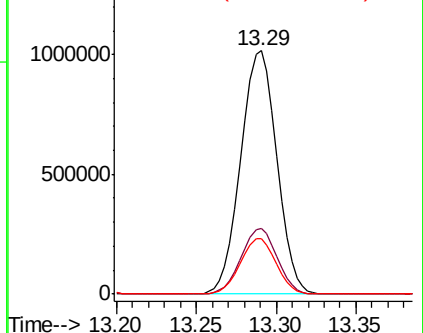
91 22.4 11.2 33.6

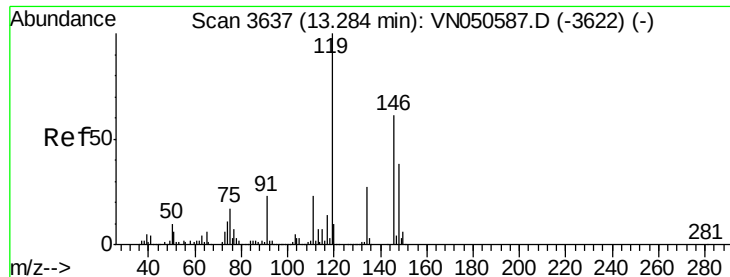


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

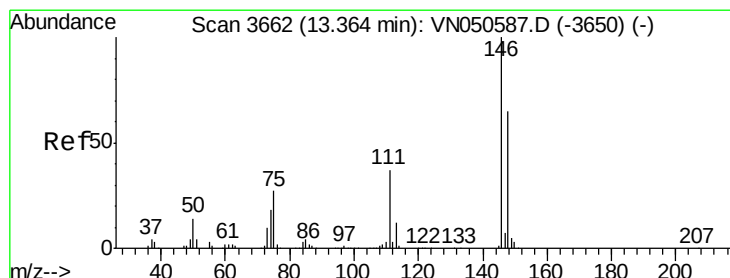
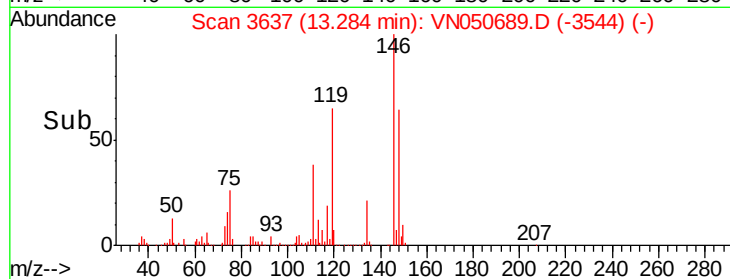
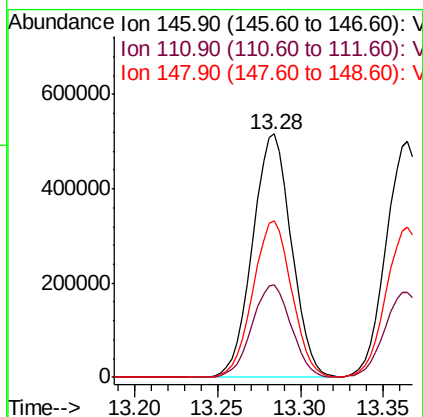
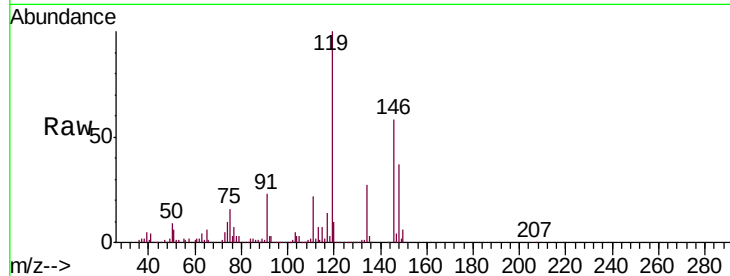




#87
 1,3-Dichlorobenzene
 Concen: 49.798 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

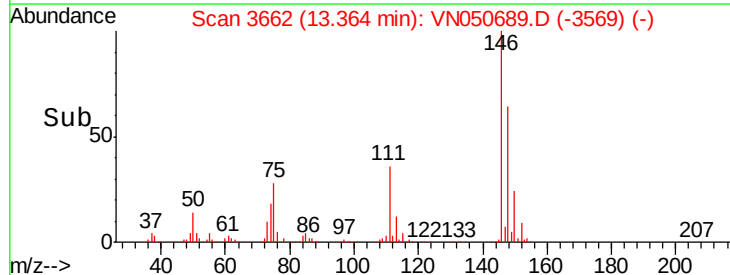
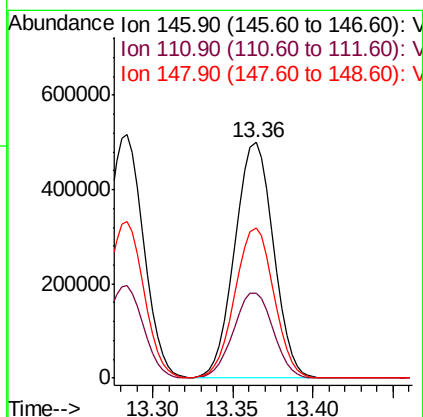
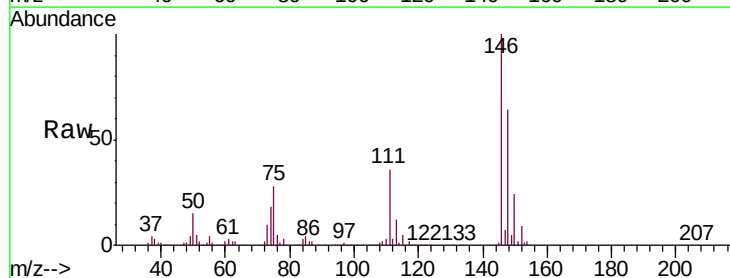
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

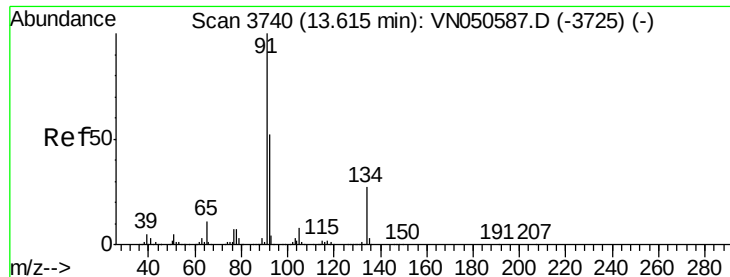
Tgt Ion:146 Resp: 841614
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.2 57.6
 148 64.2 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 49.033 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Tgt Ion:146 Resp: 822479
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.8 56.4
 148 64.3 32.3 96.8

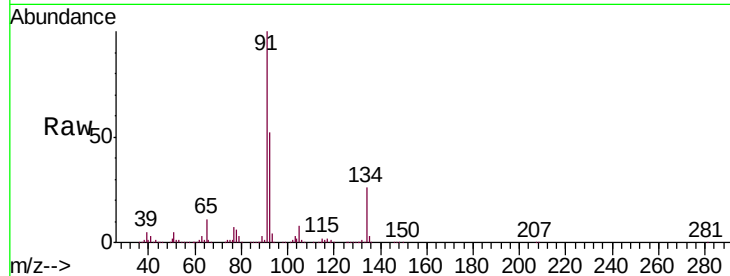




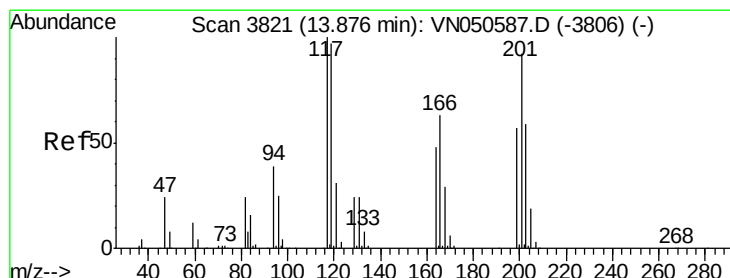
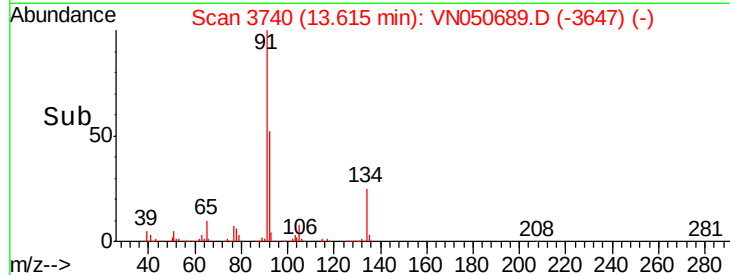
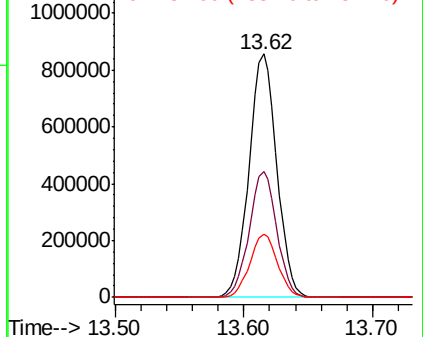
#89
n-Butylbenzene
Concen: 56.495 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1283812
Ion Ratio Lower Upper
91 100
92 51.4 26.3 78.8
134 26.1 13.3 39.9

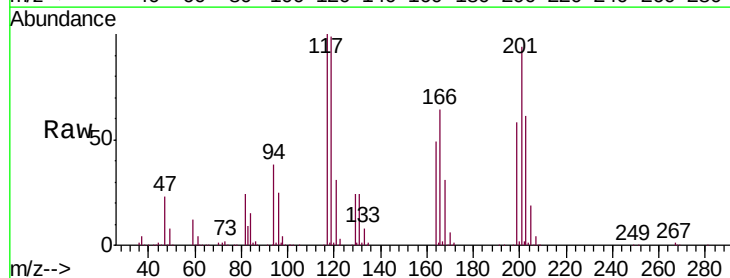


Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3725) (-)
Ion 92.00 (91.70 to 92.70): VN050587.D (-3725) (-)
Ion 134.00 (133.70 to 134.70): VN050587.D (-3725) (-)

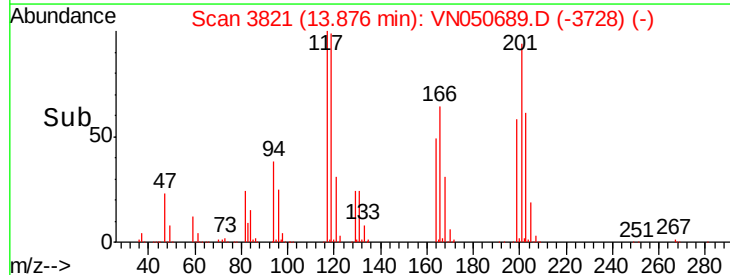
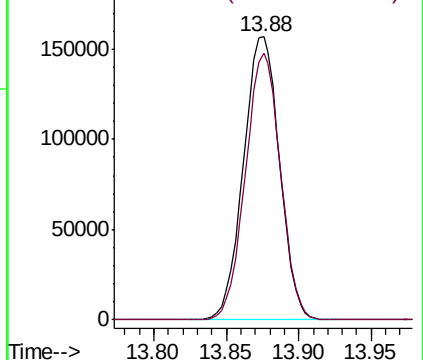


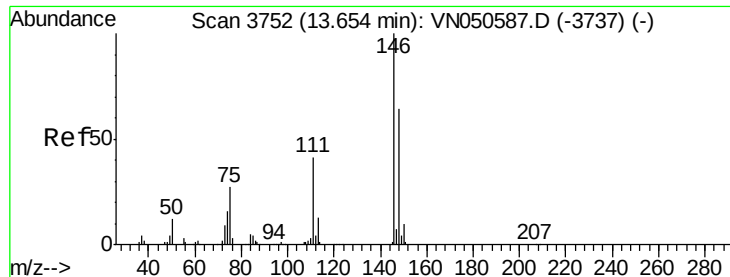
#90
Hexachloroethane
Concen: 47.973 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050689.D
Acq: 16 Aug 2018 9:06

Tgt Ion: 117 Resp: 271465
Ion Ratio Lower Upper
117 100
201 91.5 45.5 136.5



Abundance Ion 116.80 (116.50 to 117.50): VN050587.D (-3806) (-)
Ion 200.70 (200.40 to 201.40): VN050587.D (-3806) (-)

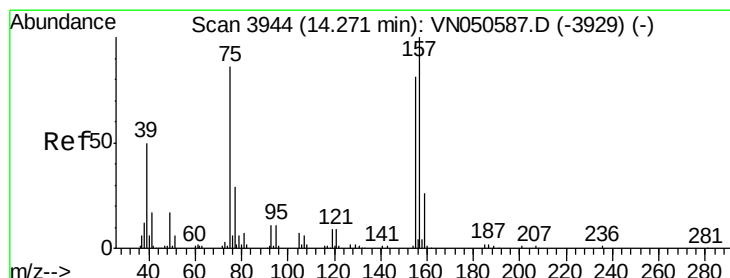
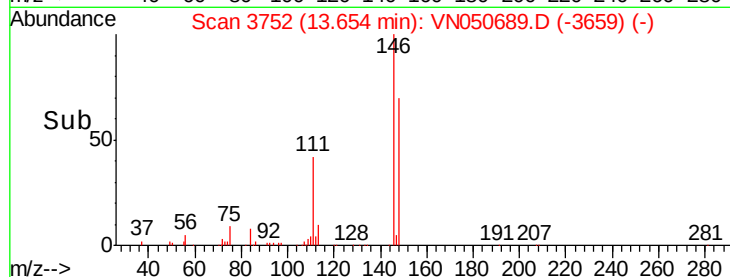
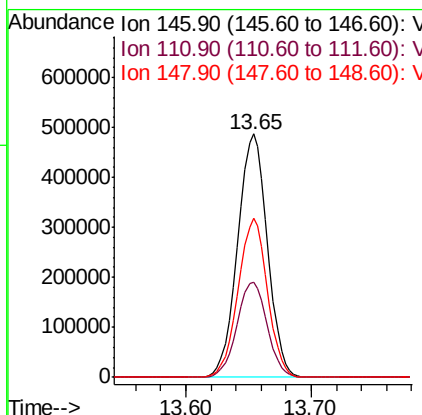
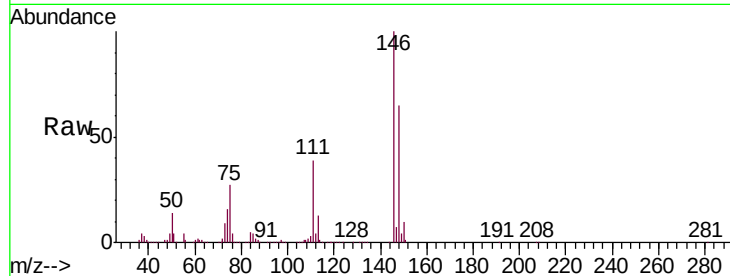




#91
 1,2-Dichlorobenzene
 Concen: 48.659 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

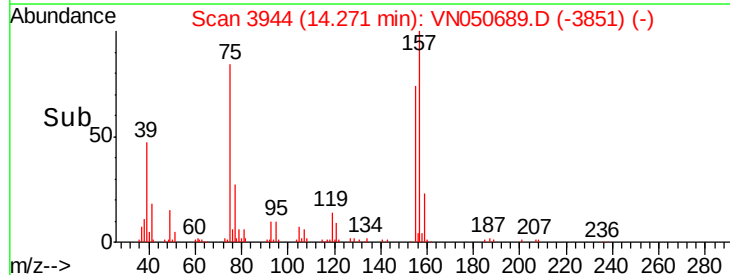
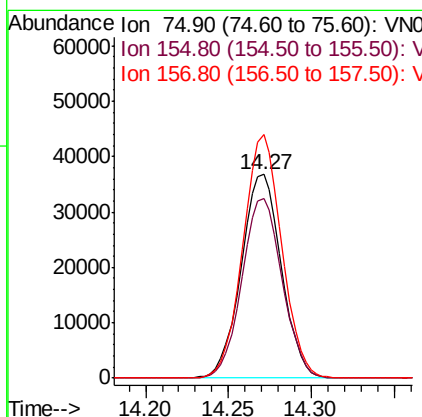
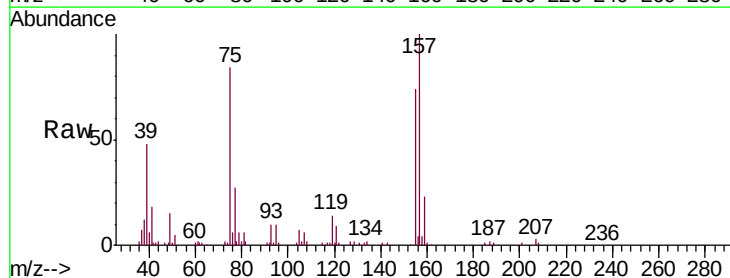
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

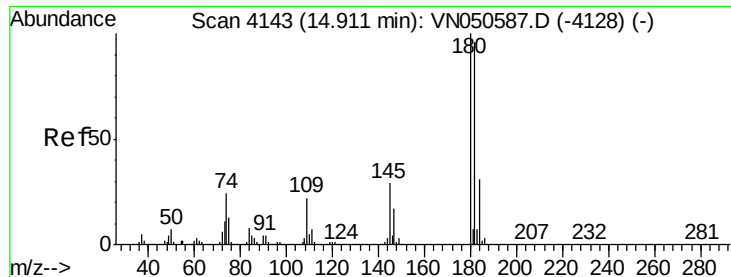
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.4	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.472 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.4	46.6	139.8
157	115.3	58.1	174.2

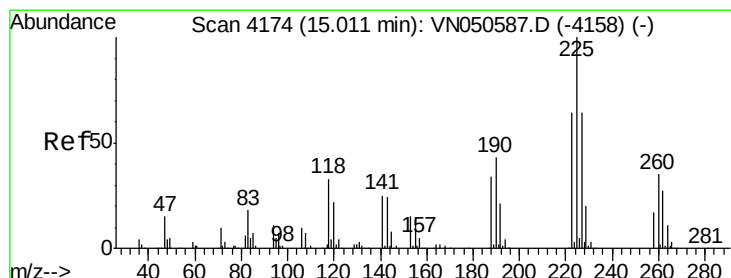
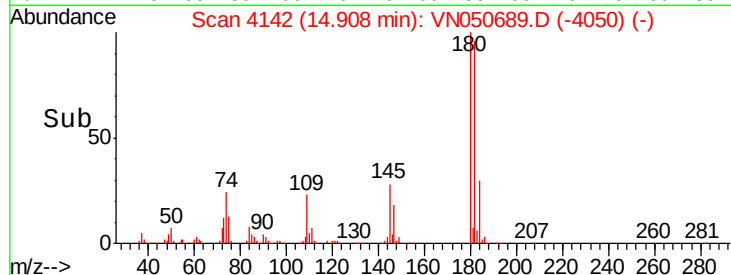
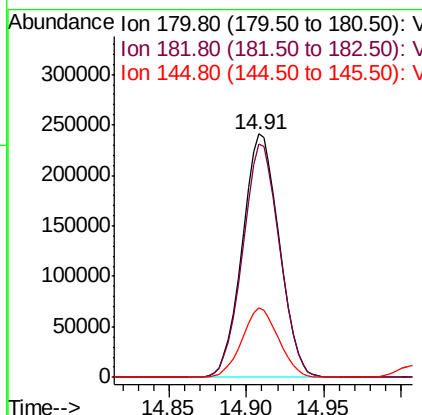
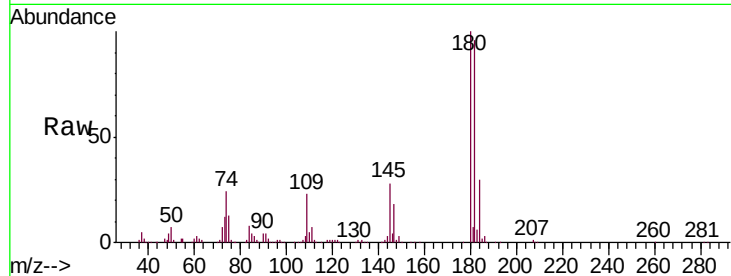




#93
 1,2,4-Trichlorobenzene
 Concen: 47.425 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

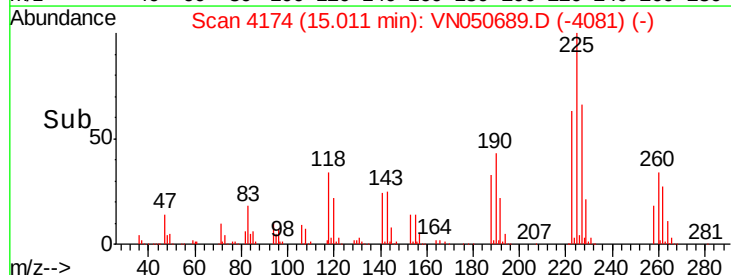
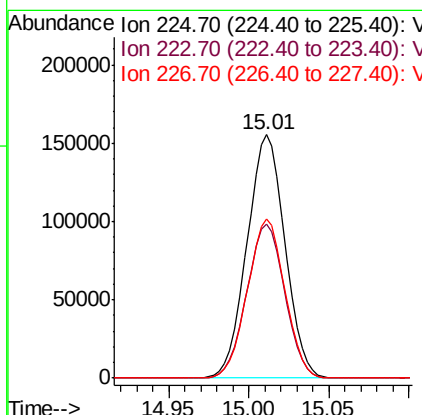
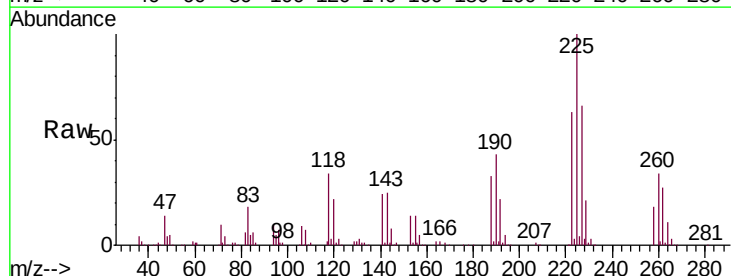
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

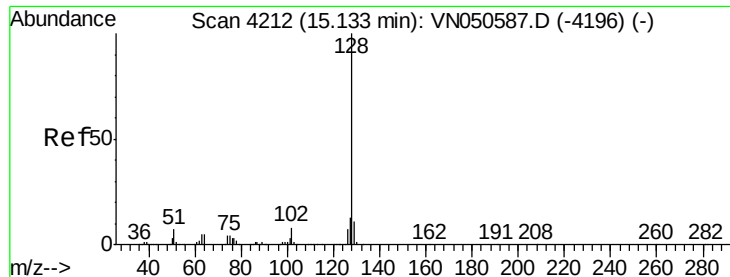
Tgt Ion:180 Resp: 400070
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.9 143.7
 145 28.3 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 50.037 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050689.D
 Acq: 16 Aug 2018 9:06

Tgt Ion:225 Resp: 252951
 Ion Ratio Lower Upper
 225 100
 223 63.4 32.1 96.3
 227 64.7 32.0 96.2





#95

Naphthalene

Concen: 43.330 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

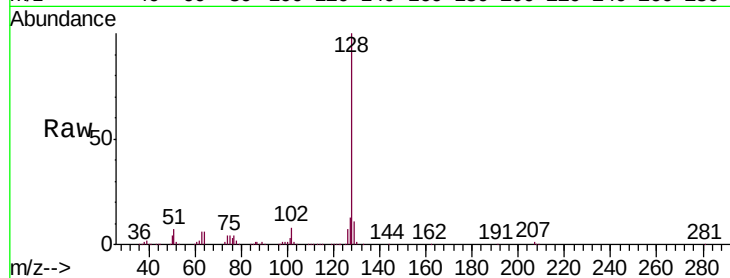
Tgt Ion:128 Resp: 769963

Ion Ratio Lower Upper

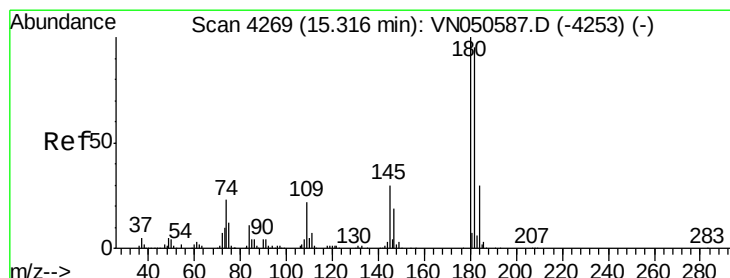
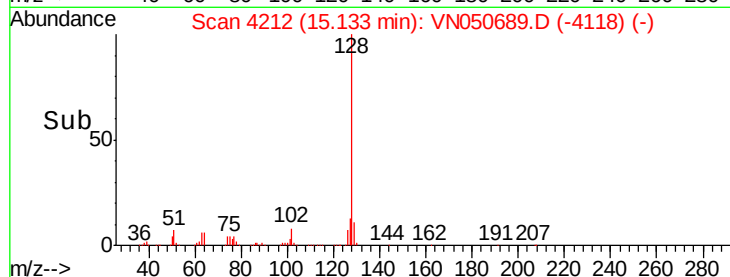
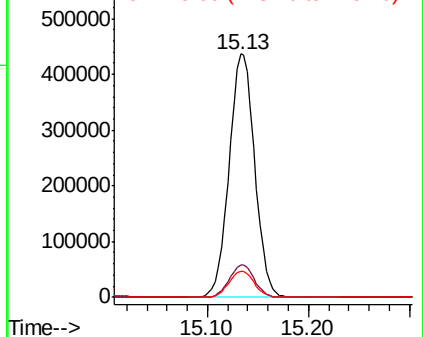
128 100

127 13.1 10.3 15.5

129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.137 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.00 min

Lab File: VN050689.D

Acq: 16 Aug 2018 9:06

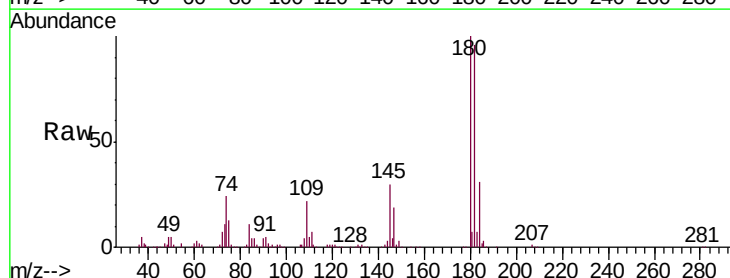
Tgt Ion:180 Resp: 379887

Ion Ratio Lower Upper

180 100

182 96.4 47.3 141.8

145 30.1 14.6 44.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

