

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054428.D
 Acq On : 19 Mar 2019 7:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 19 08:13:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1279560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2018760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1755231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	886634	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	667065	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
35) Dibromofluoromethane	7.59	113	658575	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
50) Toluene-d8	10.09	98	2391227	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	831417	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	558386	46.045	ug/l	98
3) Chloromethane	2.06	50	553966	47.027	ug/l	100
4) Vinyl Chloride	2.19	62	584708	43.428	ug/l	100
5) Bromomethane	2.57	94	374333	40.143	ug/l	97
6) Chloroethane	2.71	64	345292	42.386	ug/l	98
7) Trichlorofluoromethane	3.02	101	735750	41.102	ug/l	99
8) Diethyl Ether	3.41	74	404266	49.558	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	594610	44.327	ug/l	99
10) Methyl Iodide	3.94	142	939832	49.355	ug/l	99
11) Tert butyl alcohol	4.82	59	232364	249.429	ug/l	98
12) 1,1-Dichloroethene	3.73	96	613924	46.183	ug/l	98
13) Acrolein	3.61	56	189040	214.148	ug/l	98
14) Allyl chloride	4.31	41	844419	49.510	ug/l	92
15) Acrylonitrile	4.99	53	1164608	304.340	ug/l	99
16) Acetone	3.82	43	688913	177.061	ug/l	96
17) Carbon Disulfide	4.04	76	1393089	41.804	ug/l	99
18) Methyl Acetate	4.33	43	531257	67.488	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1869075	56.725	ug/l	100
20) Methylene Chloride	4.54	84	706848	55.327	ug/l	94
21) trans-1,2-Dichloroethene	5.03	96	662049	51.980	ug/l	99
22) Diisopropyl ether	5.96	45	1889253	55.501	ug/l	94
23) Vinyl Acetate	5.90	43	6547263	260.868	ug/l	97
24) 1,1-Dichloroethane	5.84	63	1200029	54.905	ug/l	98
25) 2-Butanone	6.84	43	1270319	278.173	ug/l	98
26) 2,2-Dichloropropane	6.82	77	556020	28.928	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	784661	55.222	ug/l	93
28) Bromochloromethane	7.19	49	482720	54.025	ug/l	97
29) Tetrahydrofuran	7.22	42	840187	286.149	ug/l	96
30) Chloroform	7.37	83	1228825	53.879	ug/l	100
31) Cyclohexane	7.65	56	1020035	49.916	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1028424	49.929	ug/l	98
36) 1,1-Dichloropropene	7.79	75	908681	48.877	ug/l	100
37) Ethyl Acetate	6.94	43	563489	52.750	ug/l	97
38) Carbon Tetrachloride	7.77	117	899964	46.161	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054428.D
 Acq On : 19 Mar 2019 7:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Mar 19 08:13:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1018124	44.510	ug/l	98
40) Benzene	8.04	78	2812685	52.870	ug/l	99
41) Methacrylonitrile	7.17	41	315358	51.705	ug/l	96
42) 1,2-Dichloroethane	8.12	62	853434	47.515	ug/l	97
43) Isopropyl Acetate	8.17	43	958259	51.107	ug/l	95
44) Trichloroethene	8.83	130	826057	49.984	ug/l	97
45) 1,2-Dichloropropane	9.12	63	712630	53.946	ug/l	100
46) Dibromomethane	9.21	93	453385	50.796	ug/l	99
47) Bromodichloromethane	9.40	83	901351	50.374	ug/l	99
48) Methyl methacrylate	9.20	41	498604	52.400	ug/l	90
49) 1,4-Dioxane	9.20	88	155135	1152.611	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2759842	278.134	ug/l	94
52) Toluene	10.16	92	1758407	52.128	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	825731	40.731	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1004146	48.157	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	663781	53.892	ug/l	99
56) Ethyl methacrylate	10.43	69	840675	57.241	ug/l #	91
57) 1,3-Dichloropropane	10.71	76	1084227	53.835	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1686097	263.642	ug/l	99
59) 2-Hexanone	10.75	43	1753071	265.514	ug/l	93
60) Dibromochloromethane	10.90	129	718777	51.847	ug/l	99
61) 1,2-Dibromoethane	11.01	107	677577	54.133	ug/l	99
64) Tetrachloroethene	10.63	164	830259	48.924	ug/l	98
65) Chlorobenzene	11.43	112	2025342	52.551	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	737997	52.712	ug/l	99
67) Ethyl Benzene	11.51	91	3271558	51.209	ug/l	98
68) m/p-Xylenes	11.62	106	2596705	103.993	ug/l	98
69) o-Xylene	11.95	106	1304159	53.578	ug/l	97
70) Styrene	11.96	104	2064645	54.083	ug/l	100
71) Bromoform	12.13	173	480575	45.263	ug/l	98
73) Isopropylbenzene	12.25	105	3343367	47.132	ug/l	100
74) N-amyl acetate	12.07	43	801465	50.901	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	779173	51.555	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	935633	71.760	ug/l #	100
77) Bromobenzene	12.53	156	2398433	127.774	ug/l #	31
78) n-propylbenzene	12.59	91	3570131	46.383	ug/l	99
79) 2-Chlorotoluene	12.67	91	2155637	46.578	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	2829545	47.955	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	139557	36.590	ug/l	96
82) 4-Chlorotoluene	12.77	91	2194723	47.492	ug/l	98
83) tert-Butylbenzene	12.99	119	2497100	45.979	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2809540	48.536	ug/l	100
85) sec-Butylbenzene	13.17	105	3156741	44.820	ug/l	100
86) p-Isopropyltoluene	13.29	119	2811737	45.504	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1523297	48.161	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1497628	48.199	ug/l	99
89) n-Butylbenzene	13.62	91	2130078	45.370	ug/l	100
90) Hexachloroethane	13.88	117	414906	40.552	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1543346	49.913	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	118827	50.809	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
Data File : VN054428.D
Acq On : 19 Mar 2019 7:46
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 19 08:13:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

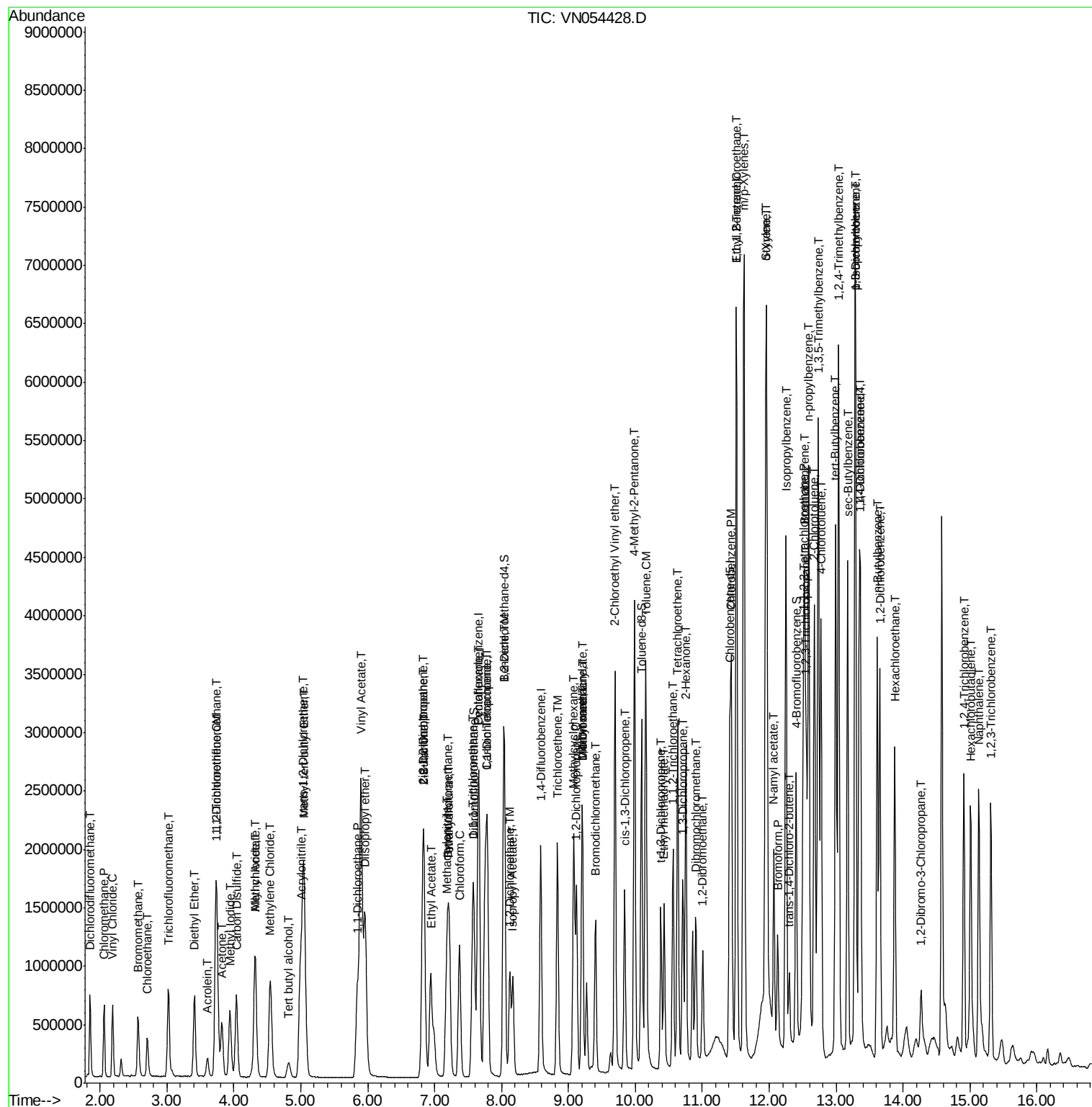
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	891561	47.872	ug/l	99
94) Hexachlorobutadiene	15.01	225	453942	38.543	ug/l	99
95) Naphthalene	15.13	128	2134288	54.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	881573	53.660	ug/l	99

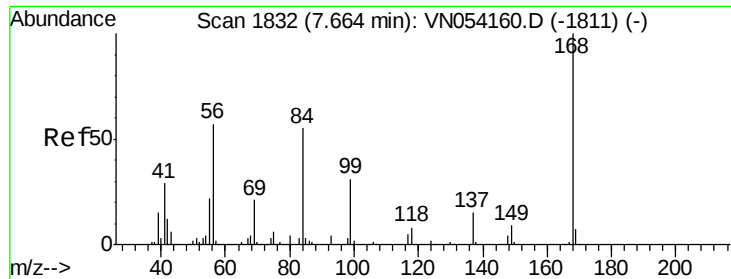
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054428.D
 Acq On : 19 Mar 2019 7:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 19 08:13:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

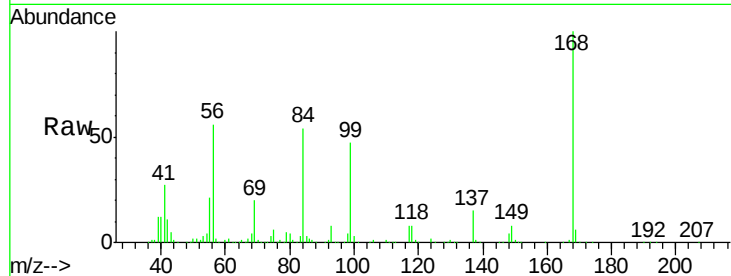
VSTDCCC050EC

Tot Ion:168 Resp: 1279560

Ion Ratio Lower Upper

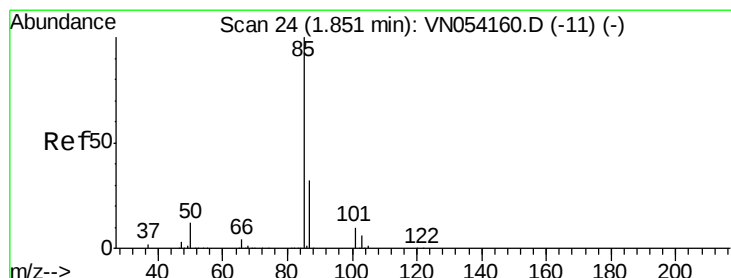
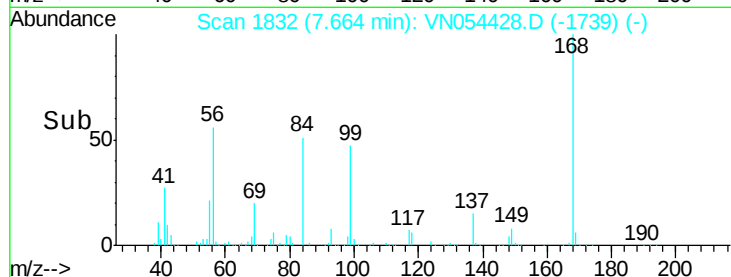
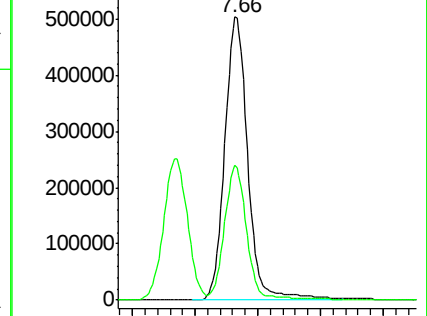
168 100

99 47.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.045 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054428.D

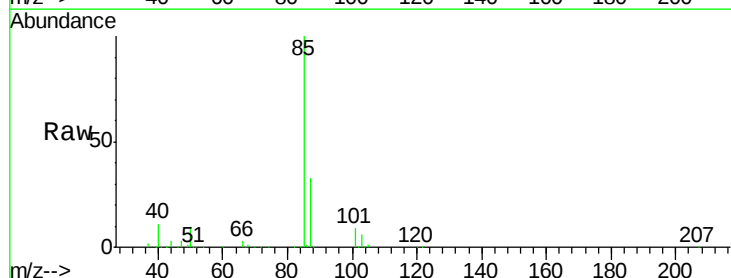
Acq: 19 Mar 2019 7:46

Tgt Ion: 85 Resp: 558386

Ion Ratio Lower Upper

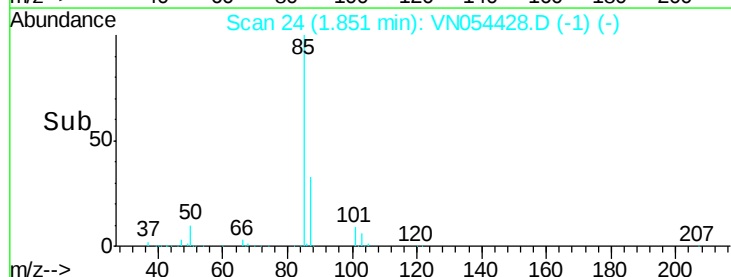
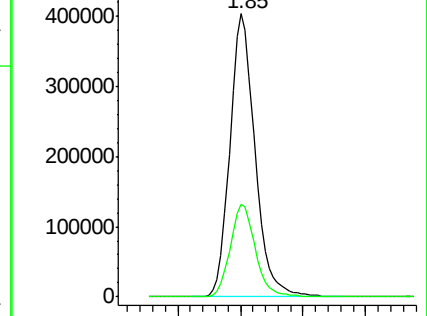
85 100

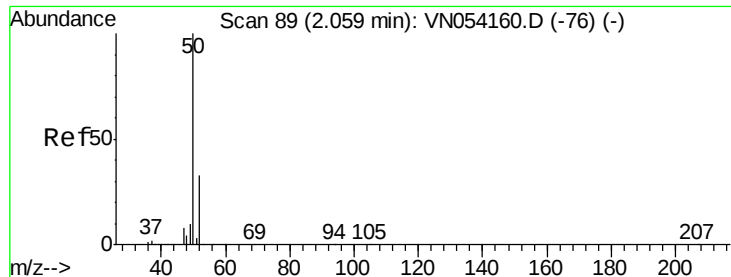
87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.027 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

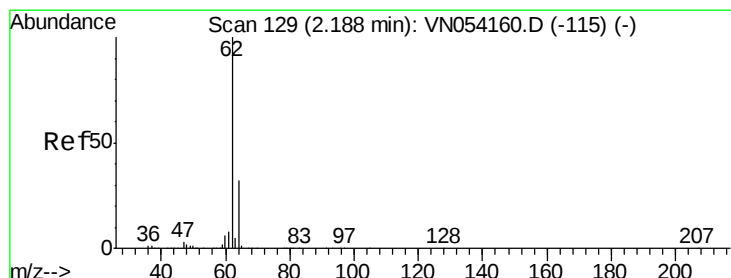
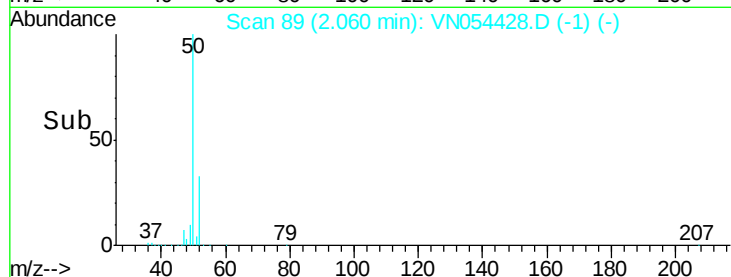
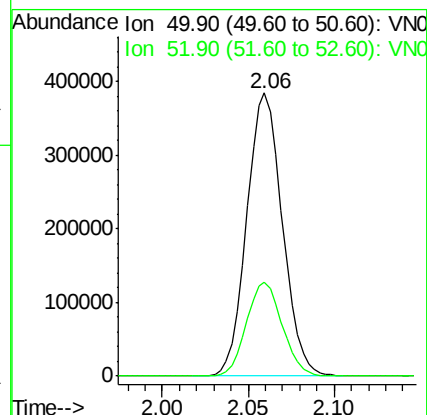
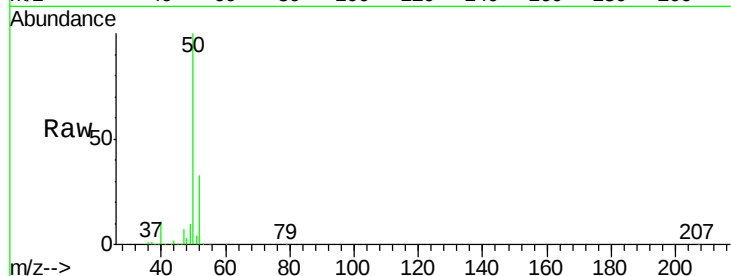
VSTDCCC050EC

Tot Ion: 50 Resp: 553966

Ion Ratio Lower Upper

50 100

52 33.2 26.4 39.6



#4

Vinyl Chloride

Concen: 43.428 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054428.D

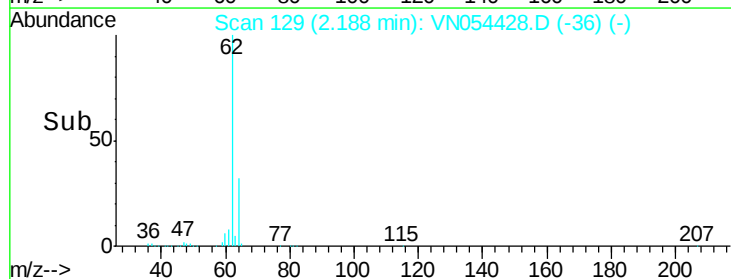
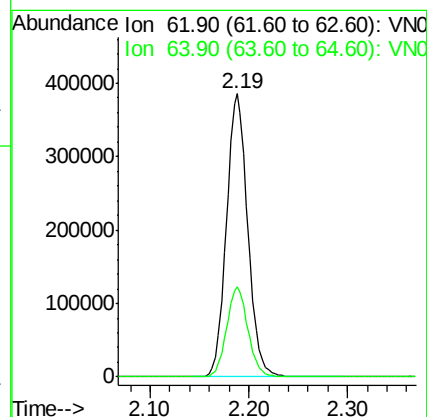
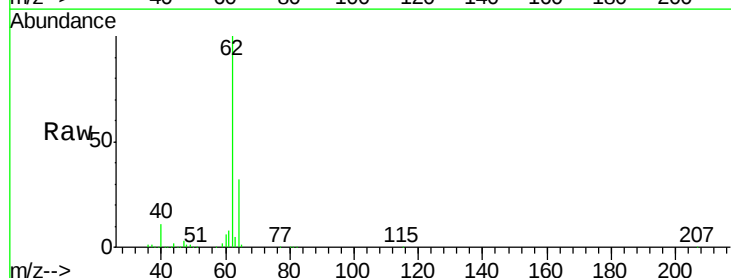
Acq: 19 Mar 2019 7:46

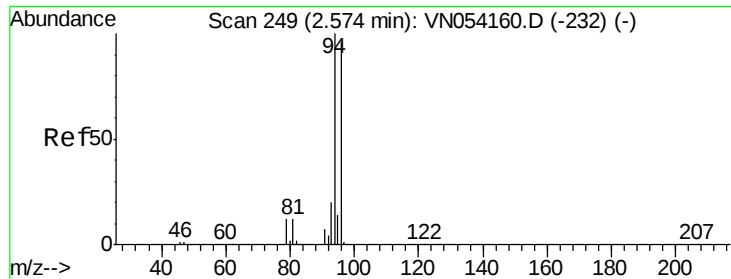
Tgt Ion: 62 Resp: 584708

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3

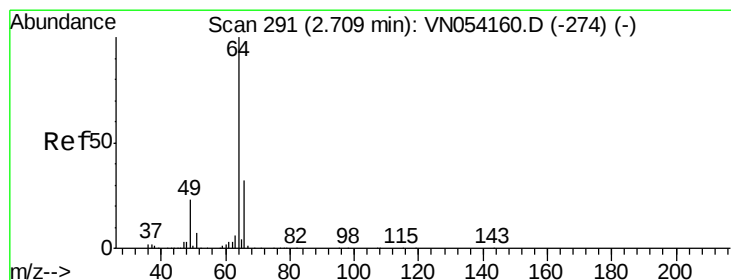
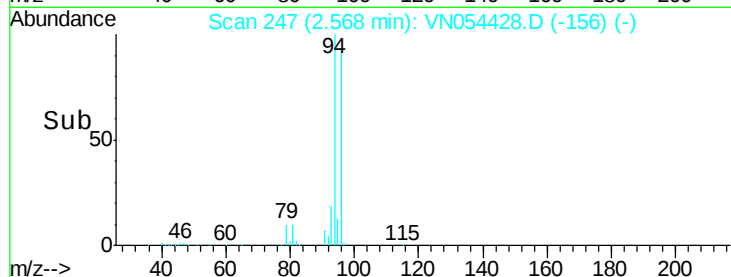
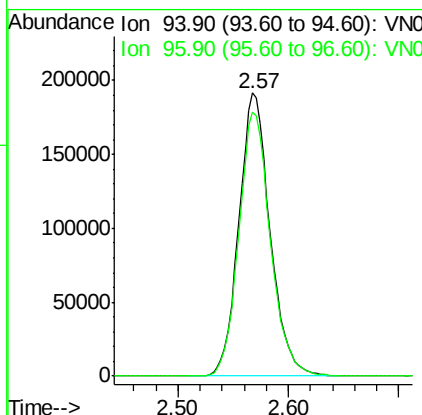
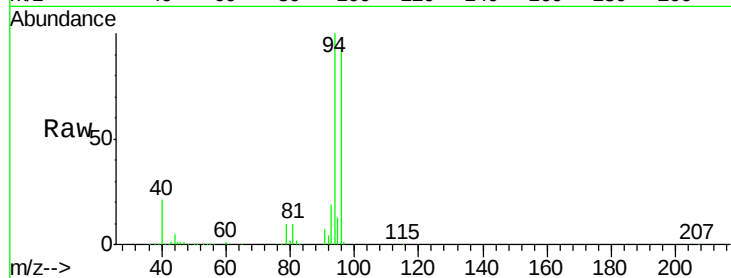




#5
Bromomethane
Concen: 40.143 ug/l
RT: 2.57 min Scan# 247
Delta R.T. -0.01 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

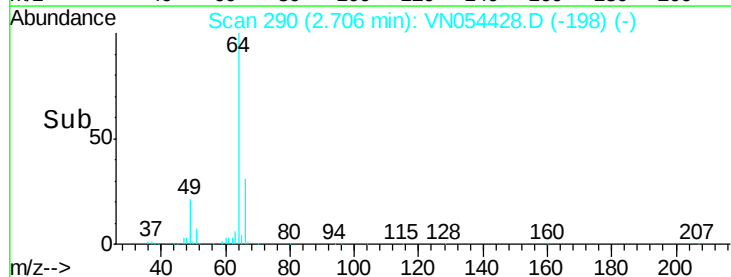
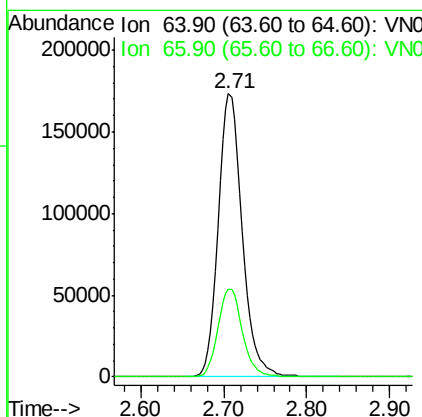
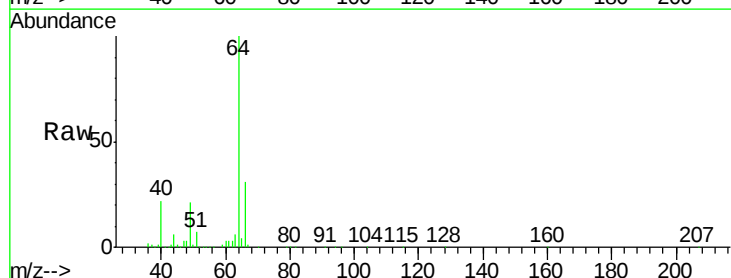
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

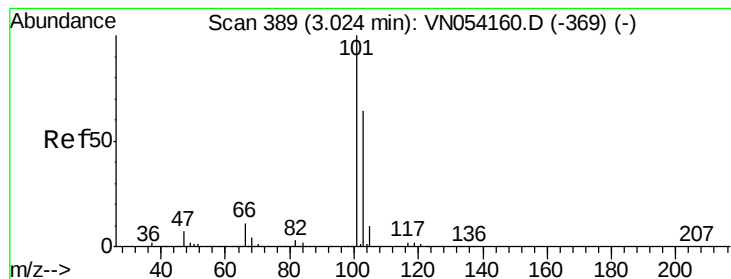
Tot Ion: 94 Resp: 374333
Ion Ratio Lower Upper
94 100
96 93.4 77.0 115.4



#6
Chloroethane
Concen: 42.386 ug/l
RT: 2.71 min Scan# 290
Delta R.T. -0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion: 64 Resp: 345292
Ion Ratio Lower Upper
64 100
66 31.1 25.7 38.5



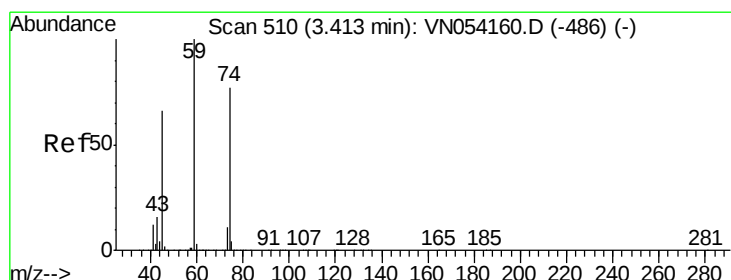
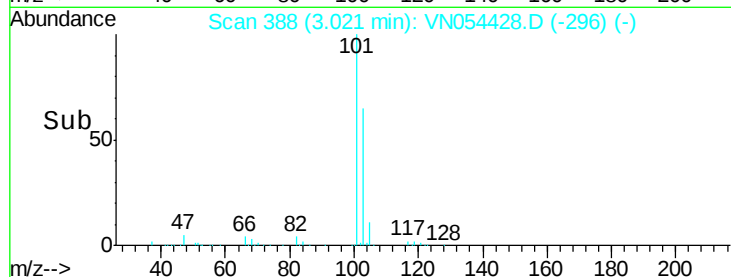
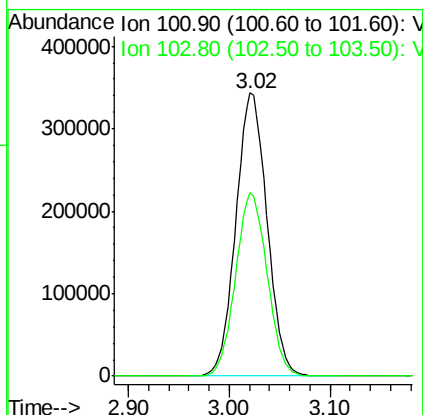
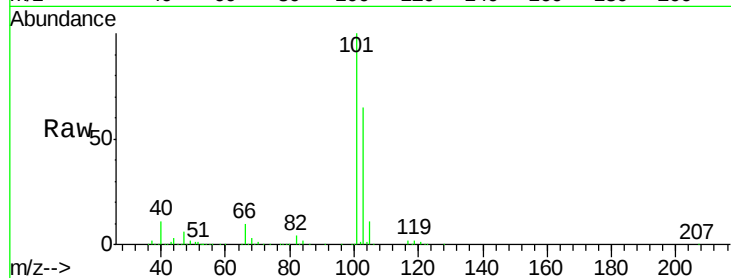


#7

Trichlorofluoromethane
 Concen: 41.102 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054428.D
 Acq: 19 Mar 2019 7:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

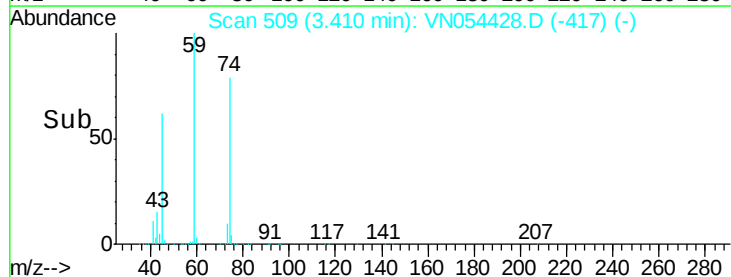
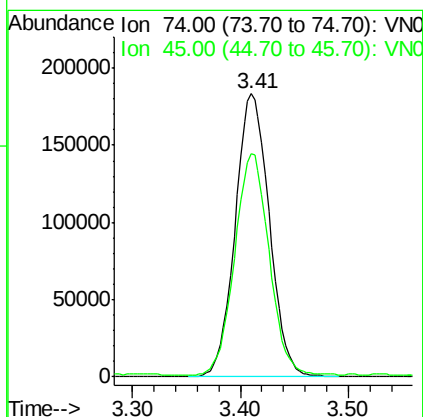
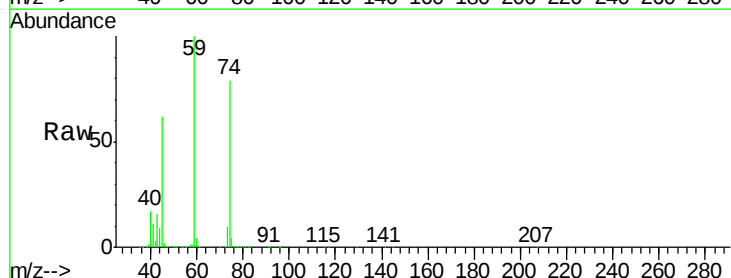
Tot Ion:101 Resp: 735750
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.4 77.2

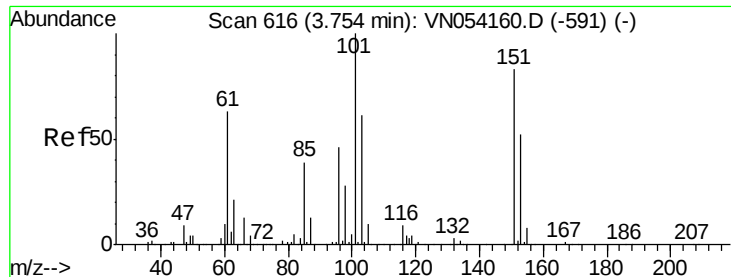


#8

Diethyl Ether
 Concen: 49.558 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054428.D
 Acq: 19 Mar 2019 7:46

Tgt Ion: 74 Resp: 404266
 Ion Ratio Lower Upper
 74 100
 45 78.9 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.327 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

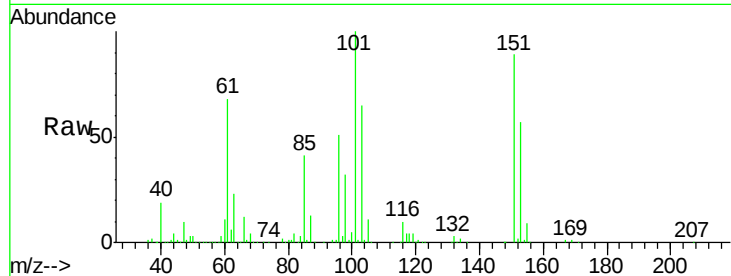
Tot Ion:101 Resp: 594610

Ion Ratio Lower Upper

101 100

85 39.9 32.4 48.6

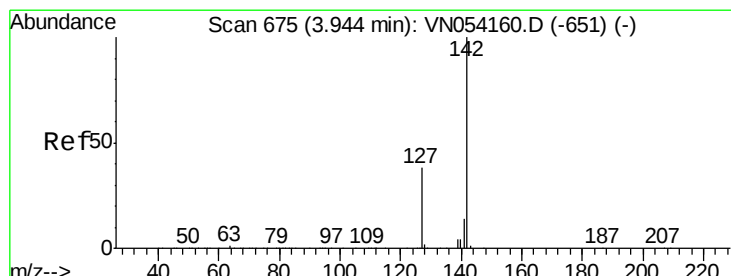
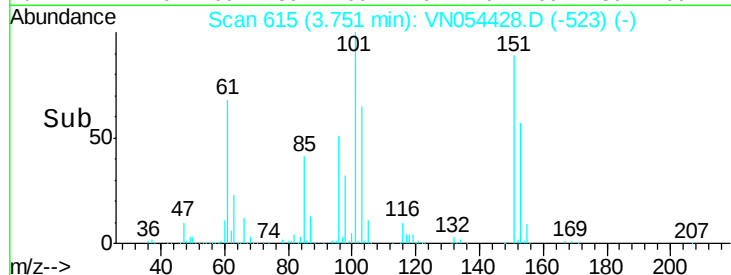
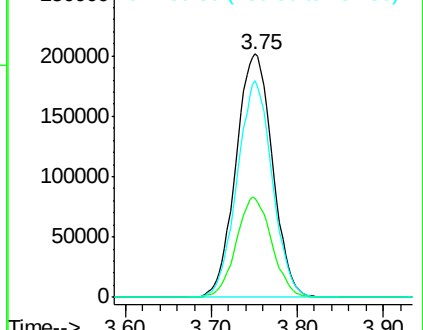
151 85.5 68.2 102.2



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: 49.355 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

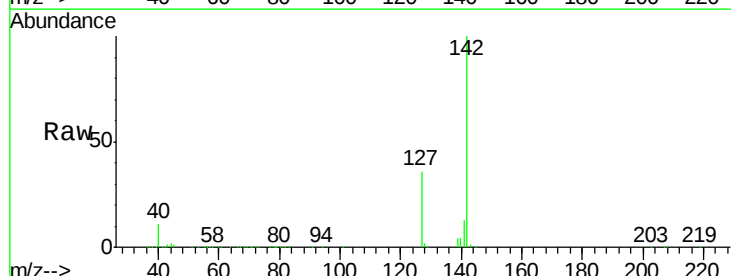
Tgt Ion:142 Resp: 939832

Ion Ratio Lower Upper

142 100

127 37.0 30.3 45.5

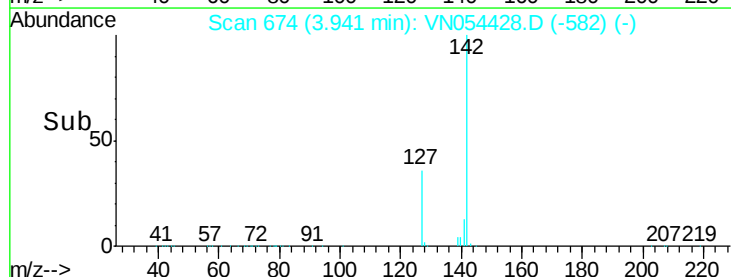
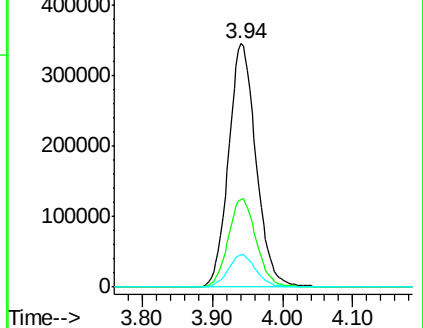
141 13.6 11.2 16.8

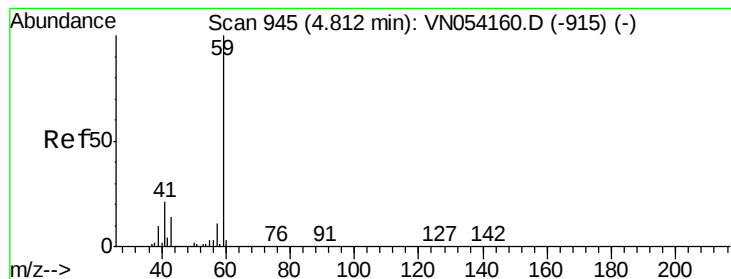


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



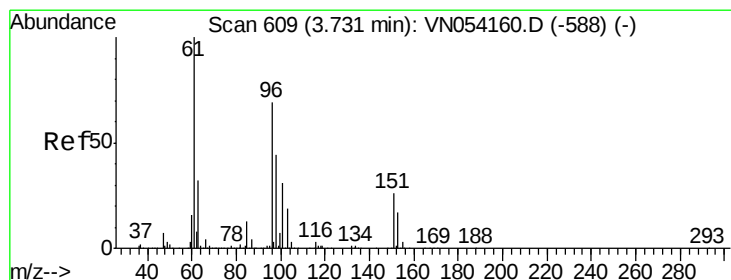
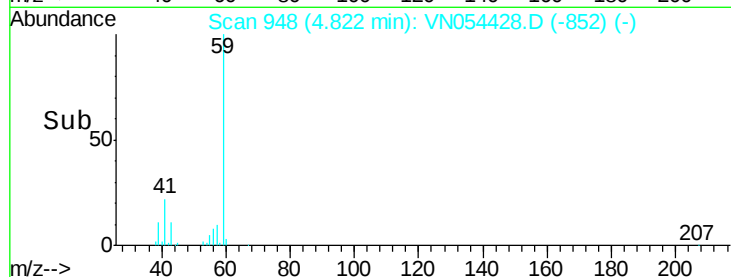
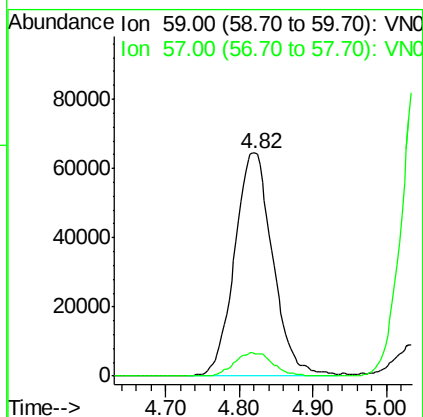
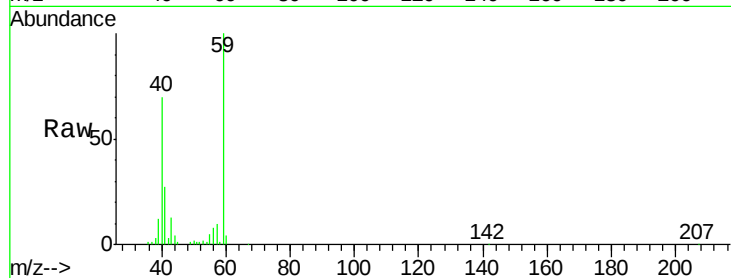


#11

Tert butyl alcohol
Concen: 249.429 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.01 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

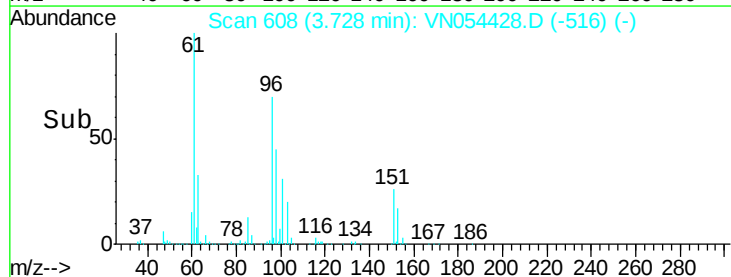
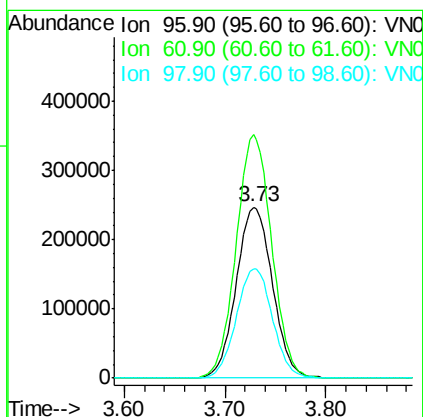
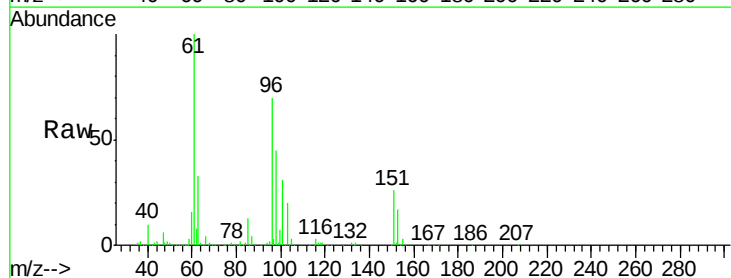
Tot Ion: 59 Resp: 232364
Ion Ratio Lower Upper
59 100
57 10.7 9.0 13.6



#12

1,1-Dichloroethene
Concen: 46.183 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion: 96 Resp: 613924
Ion Ratio Lower Upper
96 100
61 142.2 116.5 174.7
98 64.0 51.0 76.4





#13

Acrolein

Concen: 214.148 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

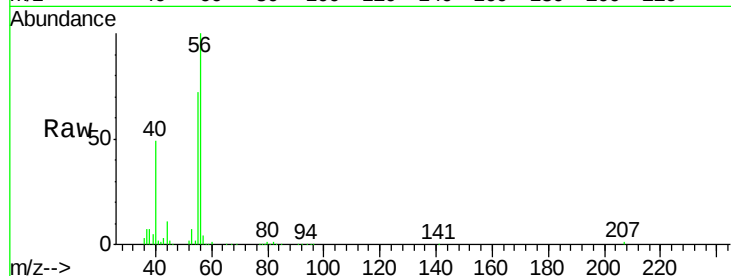
VSTDCCC050EC

Tot Ion: 56 Resp: 189040

Ion Ratio Lower Upper

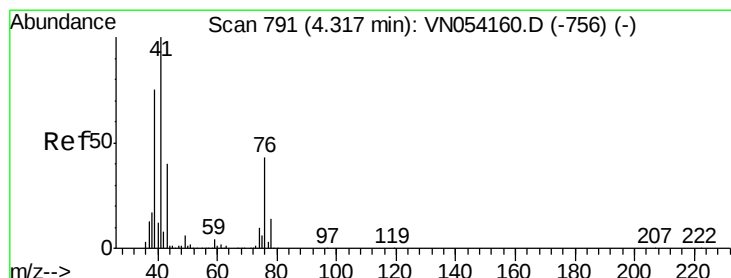
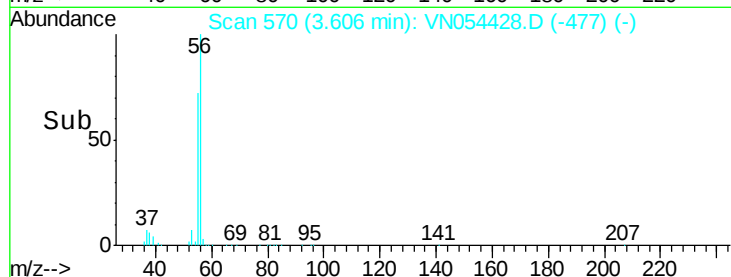
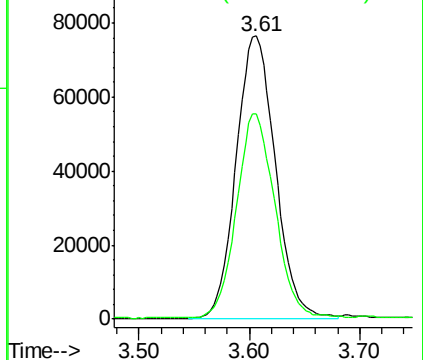
56 100

55 69.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.510 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

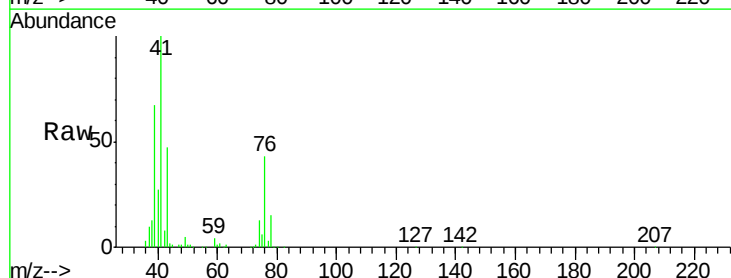
Tgt Ion: 41 Resp: 844419

Ion Ratio Lower Upper

41 100

39 64.2 58.2 87.4

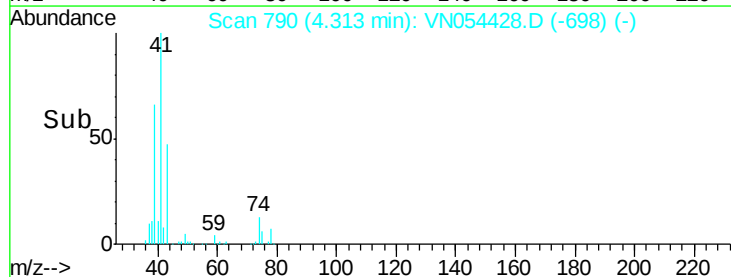
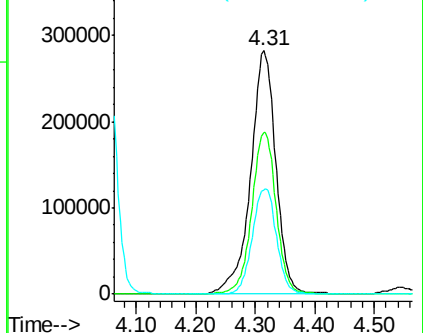
76 41.2 31.7 47.5

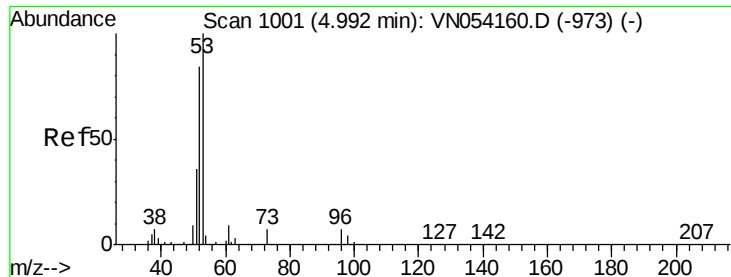


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 304.340 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

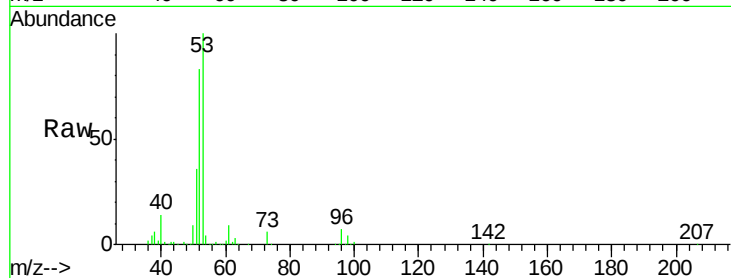
Tot Ion: 53 Resp: 1164608

Ion Ratio Lower Upper

53 100

52 82.2 66.4 99.6

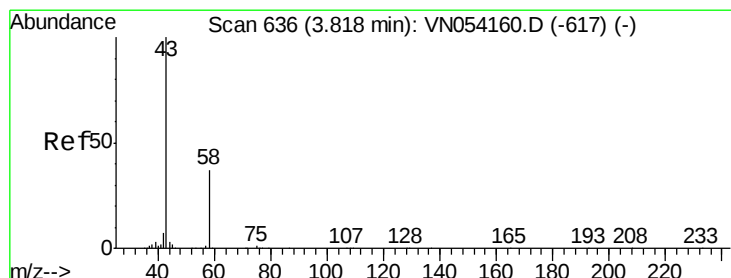
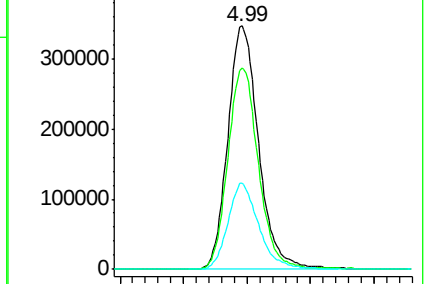
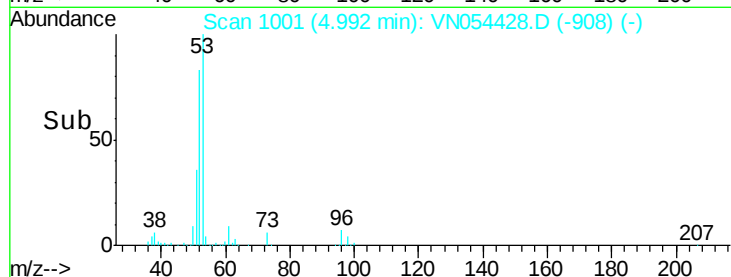
51 35.6 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054428.D (-543) (-)

Ion 52.00 (51.70 to 52.70): VN054428.D (-543) (-)

Ion 51.00 (50.70 to 51.70): VN054428.D (-543) (-)



#16

Acetone

Concen: 177.061 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054428.D

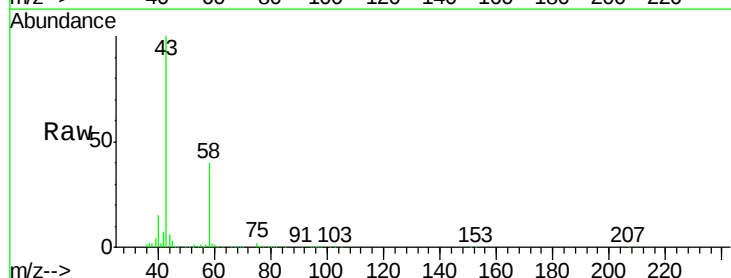
Acq: 19 Mar 2019 7:46

Tgt Ion: 43 Resp: 688913

Ion Ratio Lower Upper

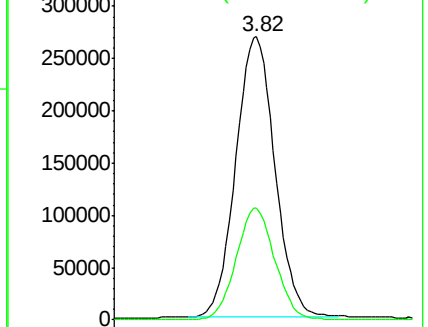
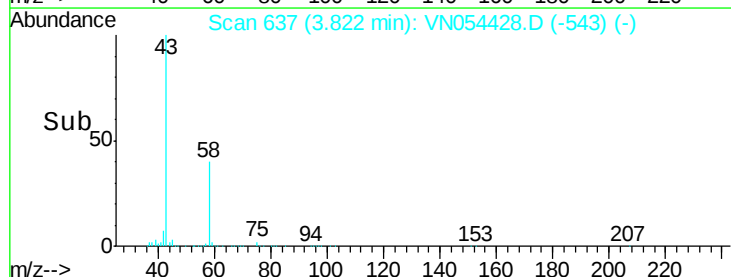
43 100

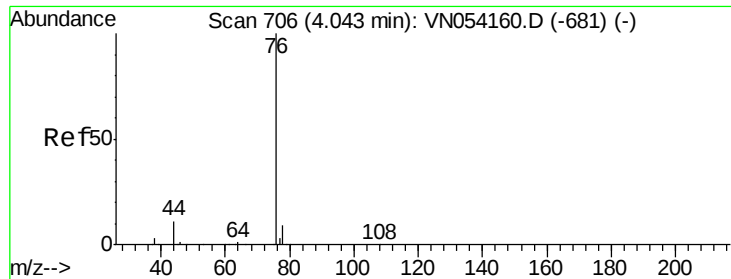
58 39.7 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054428.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN054428.D (-543) (-)





#17

Carbon Disulfide

Concen: 41.804 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

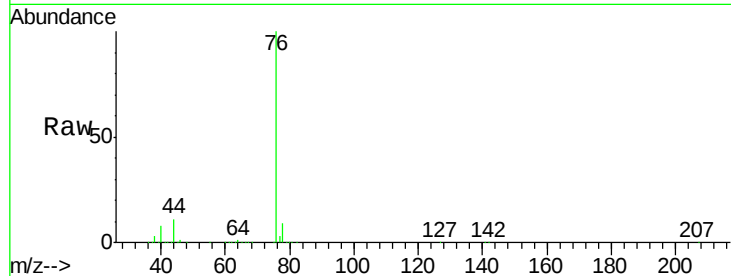
VSTDCCC050EC

Tot Ion: 76 Resp: 1393089

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN054428.D (-613) (-)

Ion 77.90 (77.60 to 78.60): VN054428.D (-613) (-)

4.04

600000

500000

400000

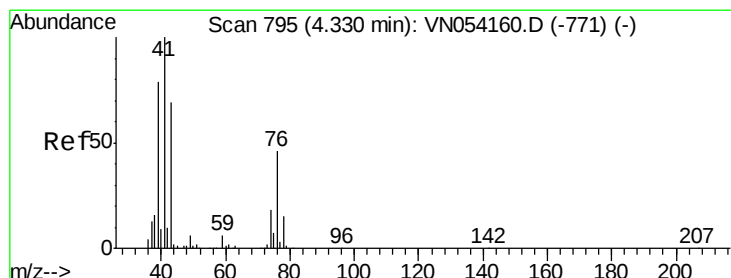
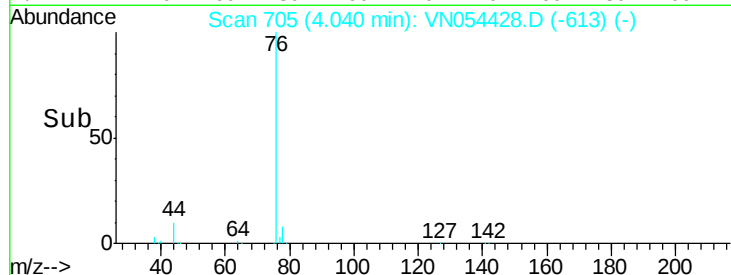
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 67.488 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054428.D

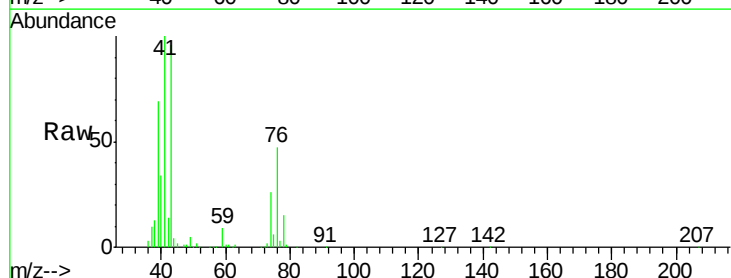
Acq: 19 Mar 2019 7:46

Tgt Ion: 43 Resp: 531257

Ion Ratio Lower Upper

43 100

74 27.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN054428.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN054428.D (-702) (-)

4.33

200000

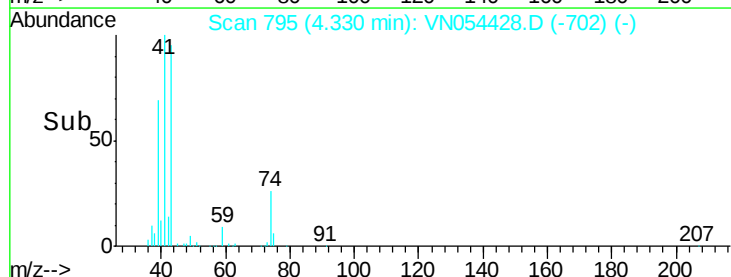
150000

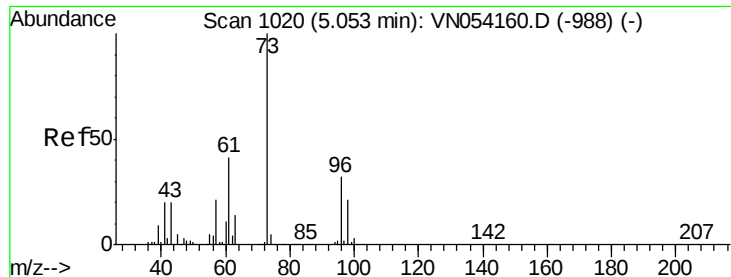
100000

50000

0

Time--> 4.20 4.30 4.40

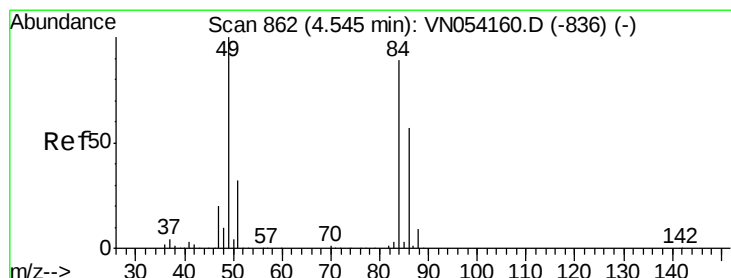
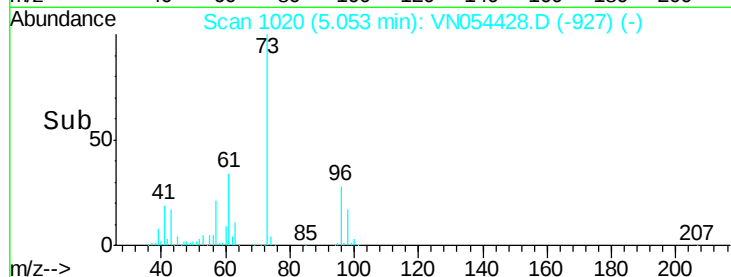
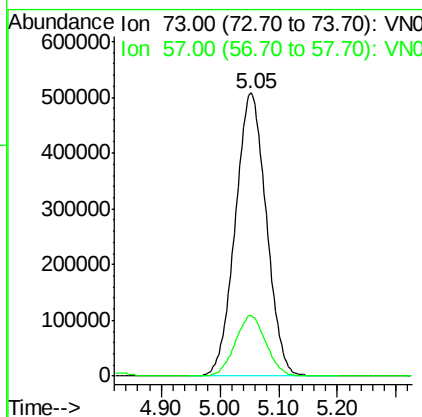
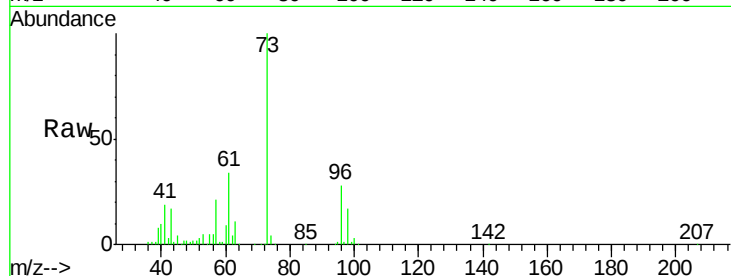




#19
Methvl tert-butvl Ether
Concen: 56.725 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

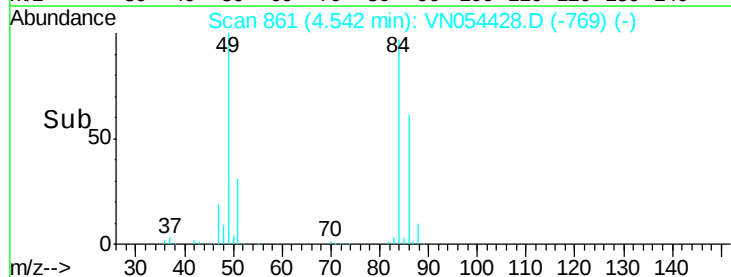
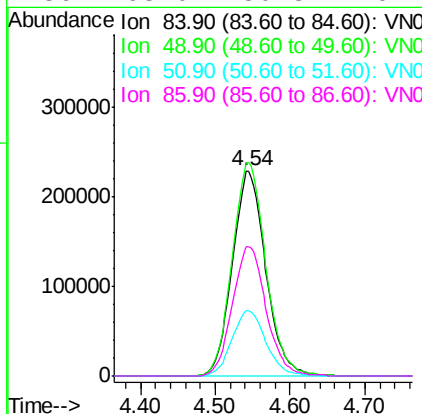
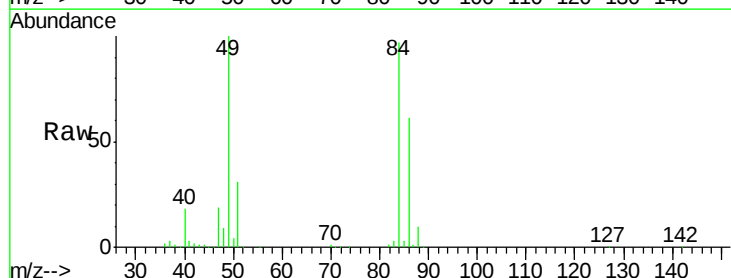
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1869075
Ion Ratio Lower Upper
73 100
57 21.2 16.8 25.2



#20
Methylene Chloride
Concen: 55.327 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion: 84 Resp: 706848
Ion Ratio Lower Upper
84 100
49 103.4 89.7 134.5
51 31.6 28.2 42.4
86 63.0 50.8 76.2

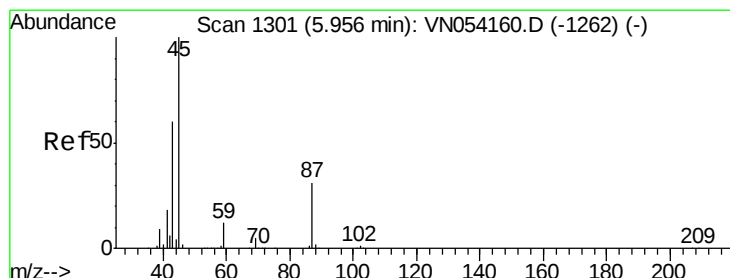
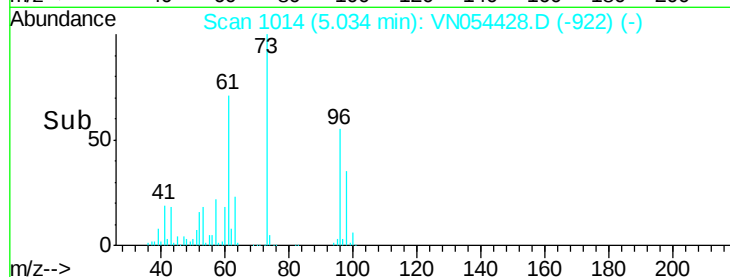
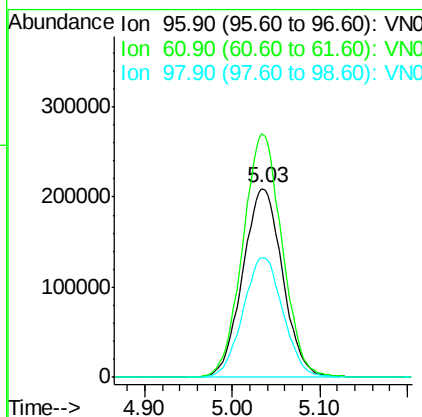
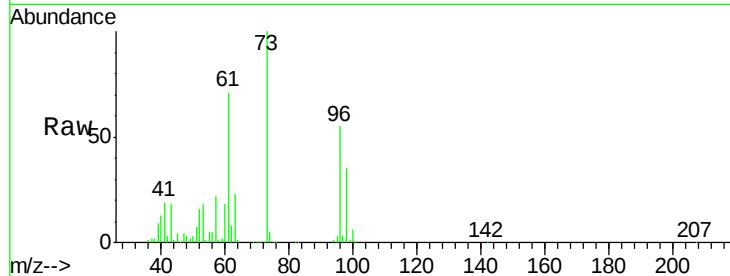




#21
trans-1,2-Dichloroethene
Concen: 51.980 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

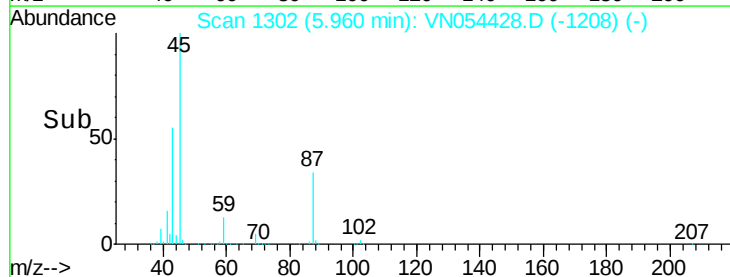
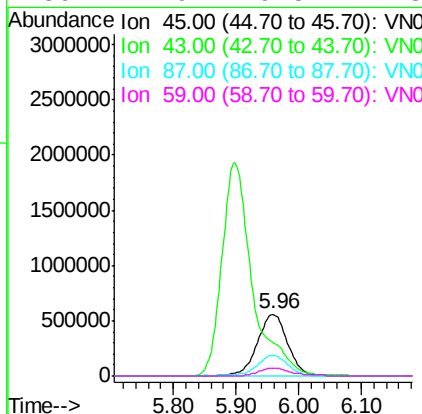
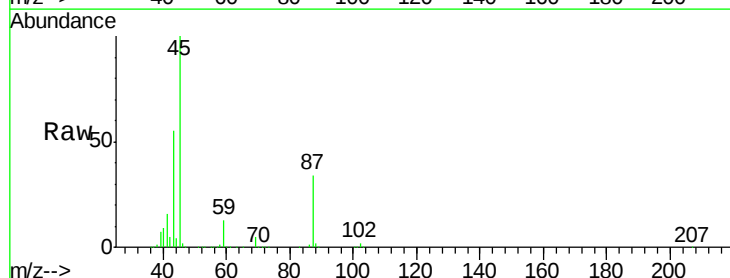
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

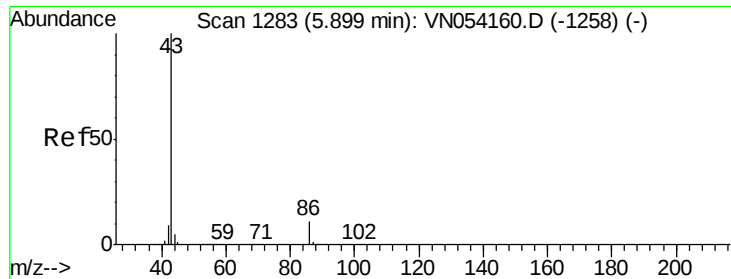
Tot Ion: 96 Resp: 662049
Ion Ratio Lower Upper
96 100
61 129.1 102.8 154.2
98 63.3 50.0 75.0



#22
Diisopropyl ether
Concen: 55.501 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion: 45 Resp: 1889253
Ion Ratio Lower Upper
45 100
43 55.0 48.2 72.2
87 33.9 24.9 37.3
59 12.9 9.5 14.3





#23

Vinyl Acetate

Concen: 260.868 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

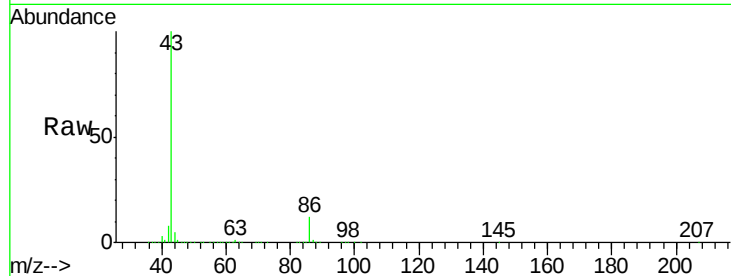
VSTDCCC050EC

Tot Ion: 43 Resp: 6547263

Ion Ratio Lower Upper

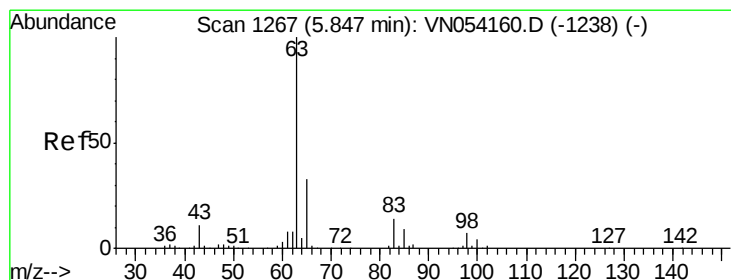
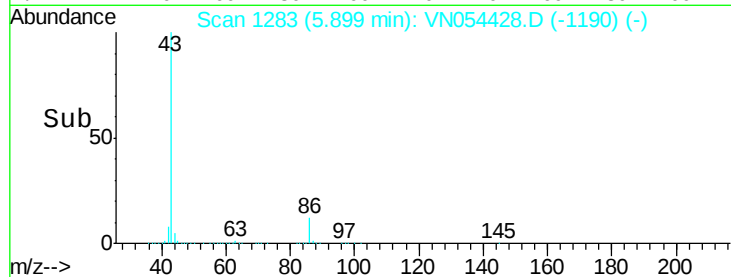
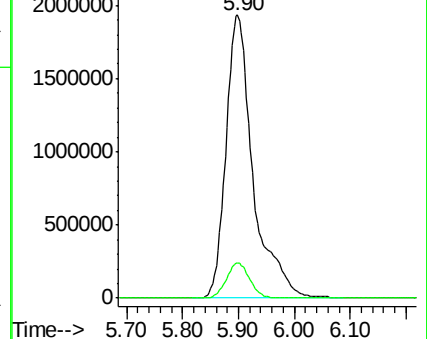
43 100

86 12.5 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 54.905 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

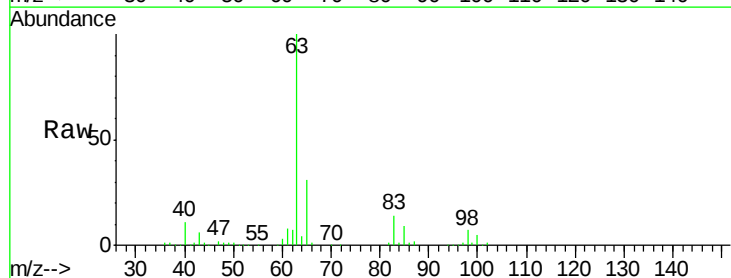
Tgt Ion: 63 Resp: 1200029

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

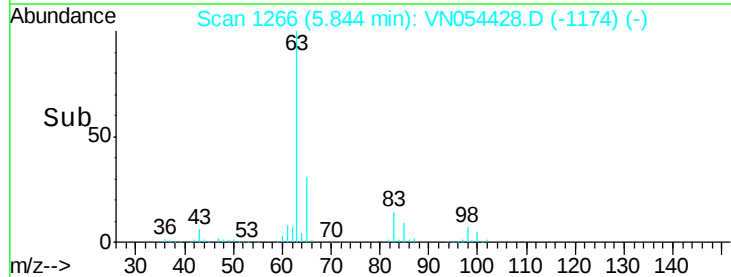
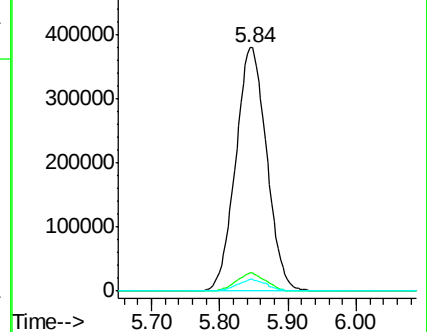
100 4.7 2.0 6.0

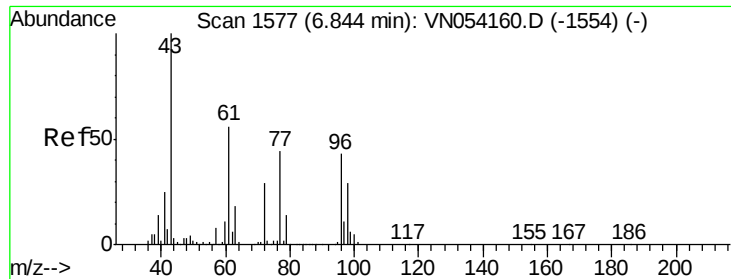


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

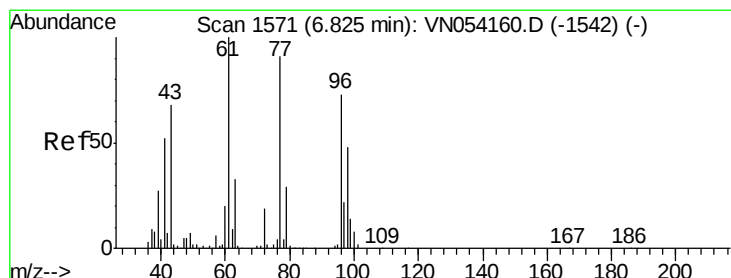
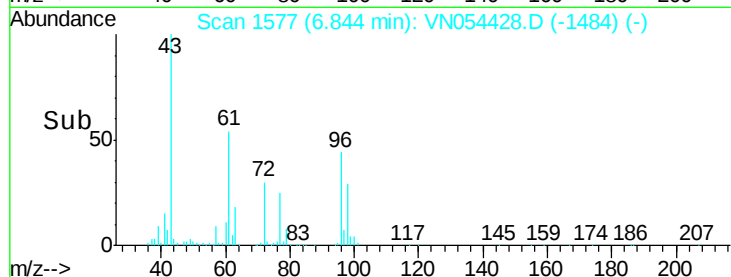
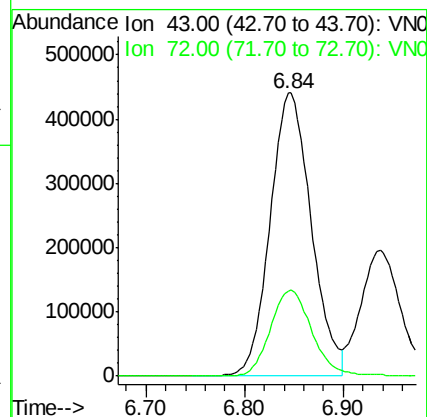
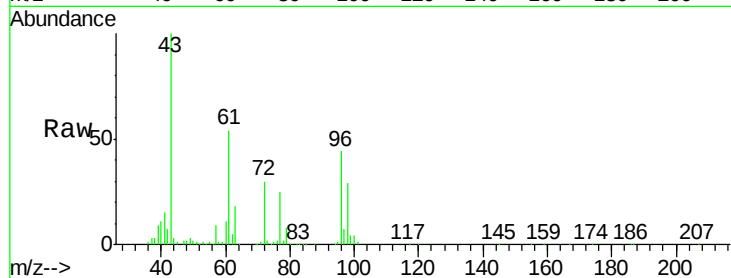




#25
2-Butanone
Concen: 278.173 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

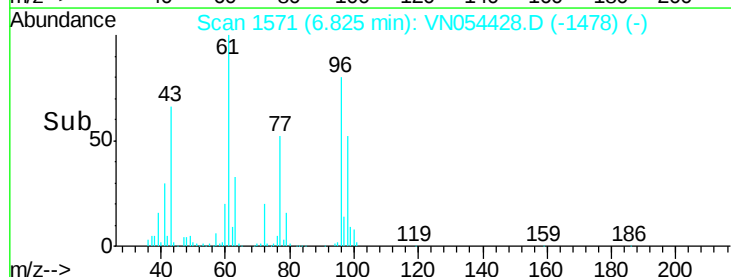
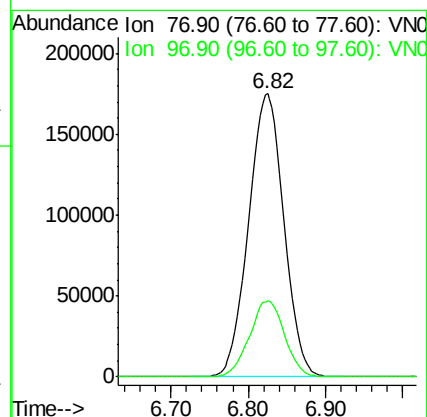
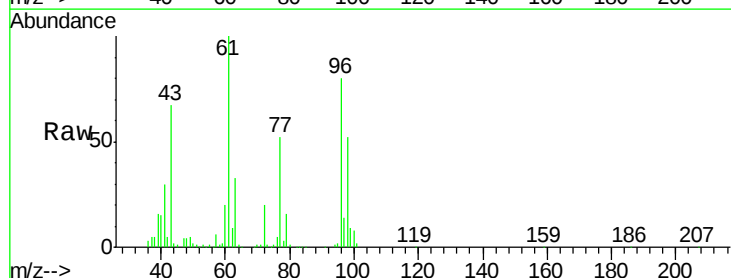
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1270319
Ion Ratio Lower Upper
43 100
72 30.1 23.0 34.6



#26
2,2-Dichloropropane
Concen: 28.928 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion: 77 Resp: 556020
Ion Ratio Lower Upper
77 100
97 26.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 55.222 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

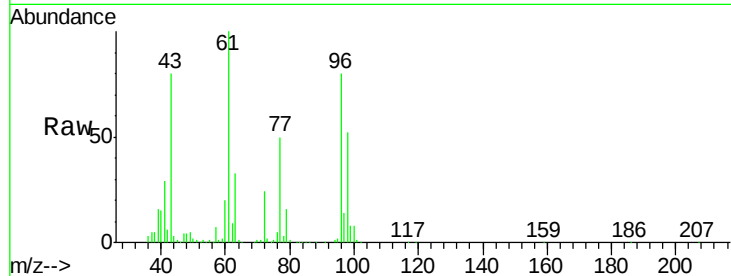
Tot Ion: 96 Resp: 784661

Ion Ratio Lower Upper

96 100

61 125.0 0.0 273.0

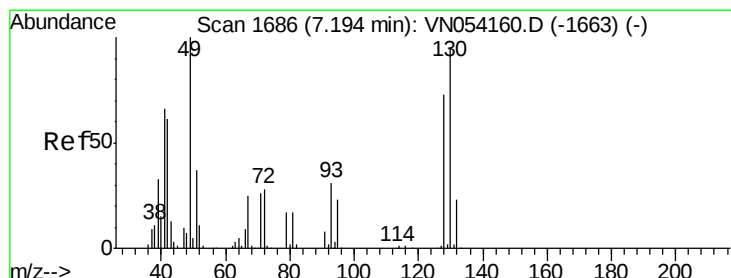
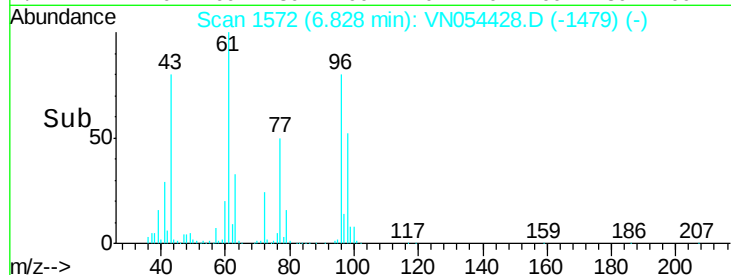
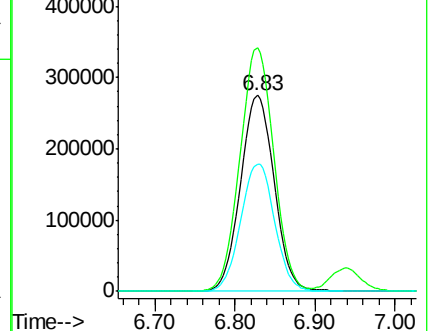
98 65.4 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN054428.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN054428.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN054428.D (-1479) (-)



#28

Bromochloromethane

Concen: 54.025 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

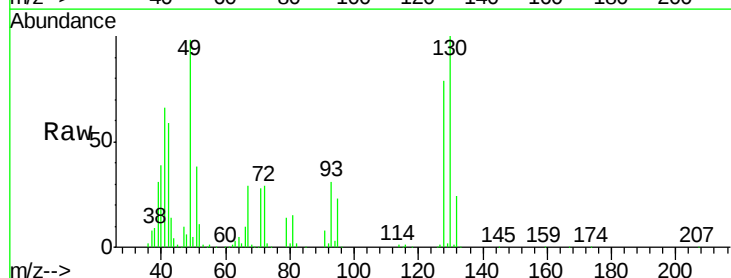
Tgt Ion: 49 Resp: 482720

Ion Ratio Lower Upper

49 100

129 2.6 0.0 4.6

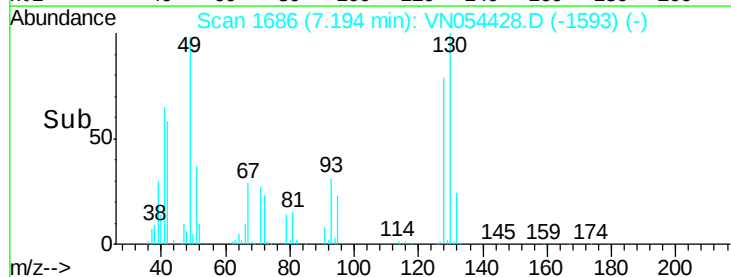
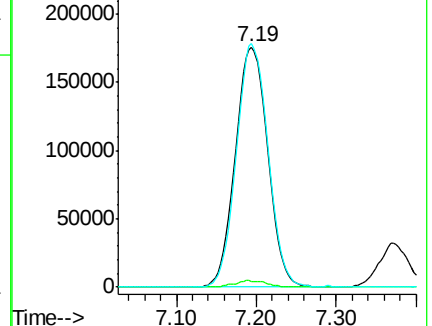
130 99.0 76.7 115.1

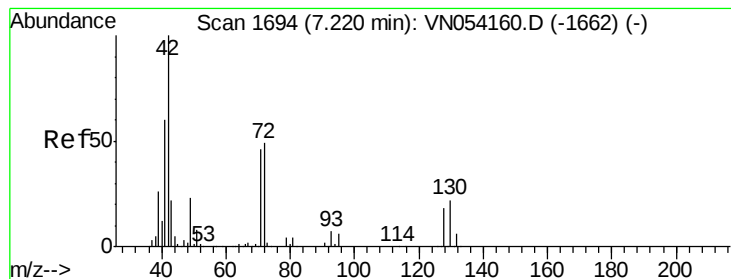


Abundance Ion 48.90 (48.60 to 49.60): VN054428.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN054428.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN054428.D (-1593) (-)





#29

Tetrahydrofuran

Concen: 286.149 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

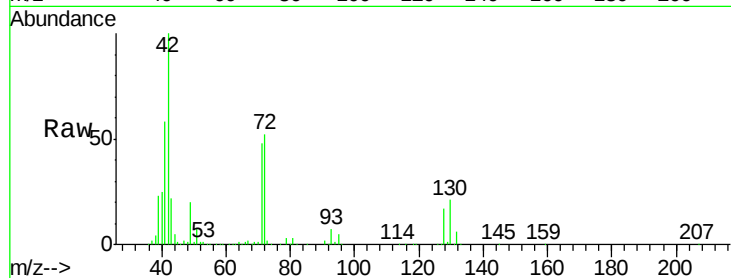
Tot Ion: 42 Resp: 840187

Ion Ratio Lower Upper

42 100

72 50.2 37.8 56.6

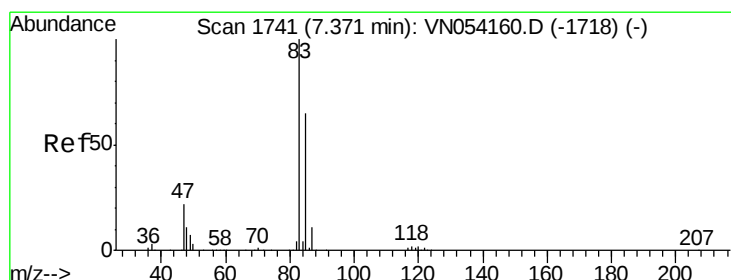
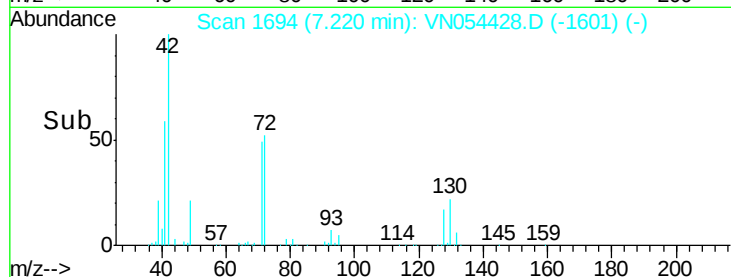
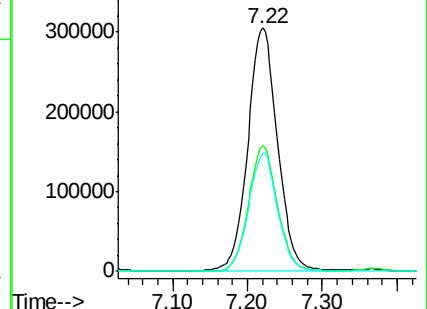
71 47.6 36.2 54.2



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 53.879 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN054428.D

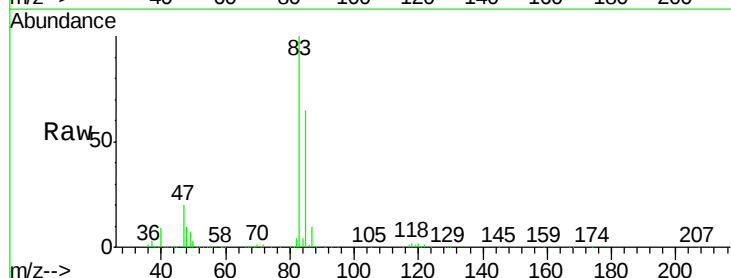
Acq: 19 Mar 2019 7:46

Tgt Ion: 83 Resp: 1228825

Ion Ratio Lower Upper

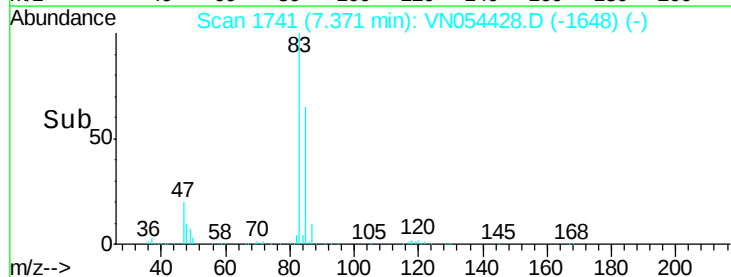
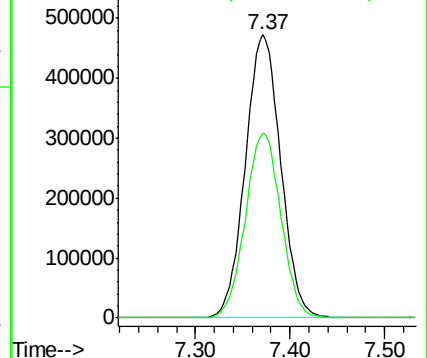
83 100

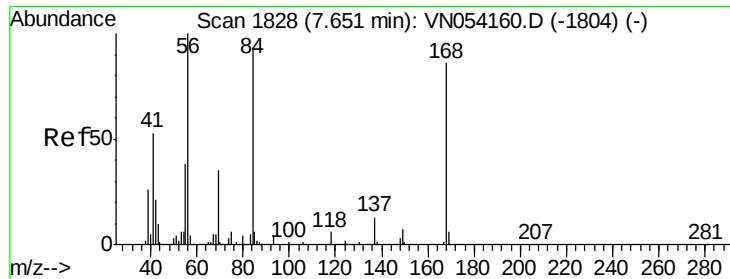
85 65.3 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

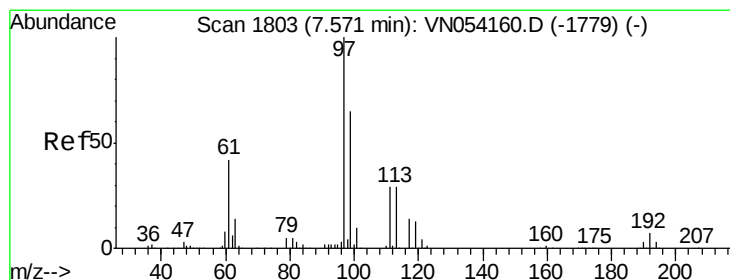
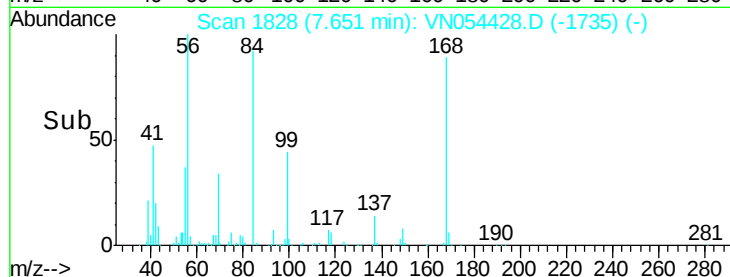
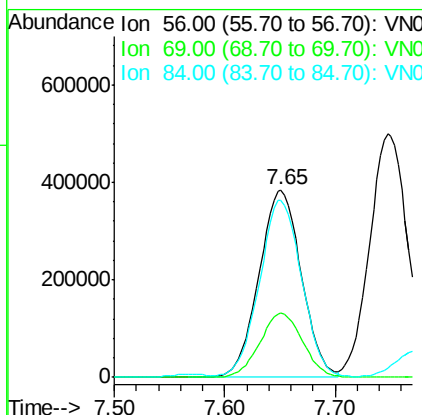
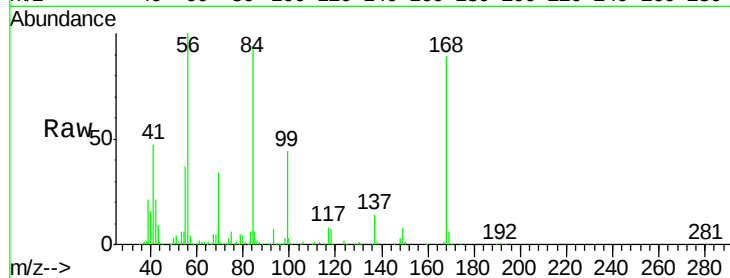




#31
Cyclohexane
Concen: 49.916 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

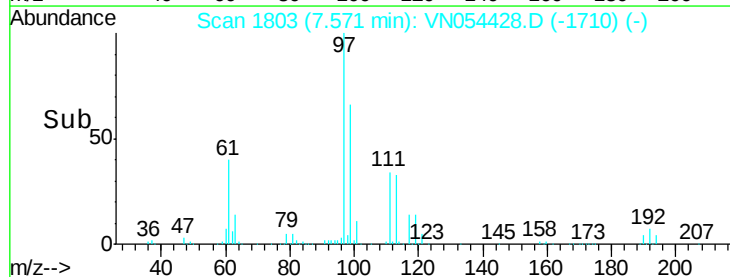
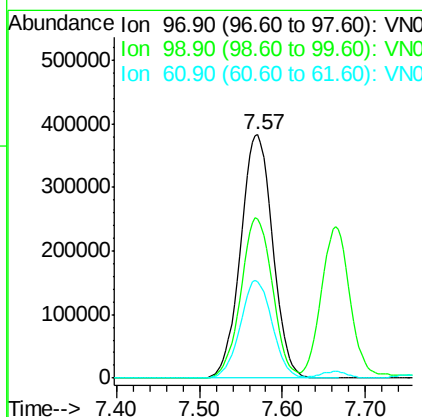
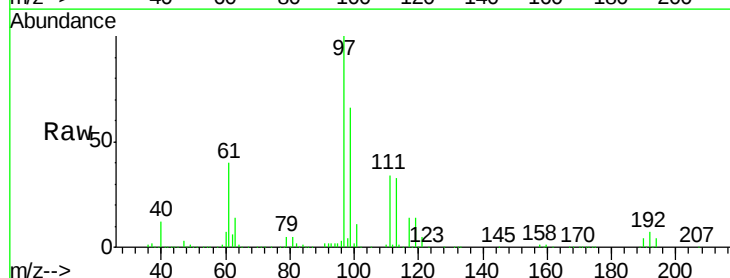
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

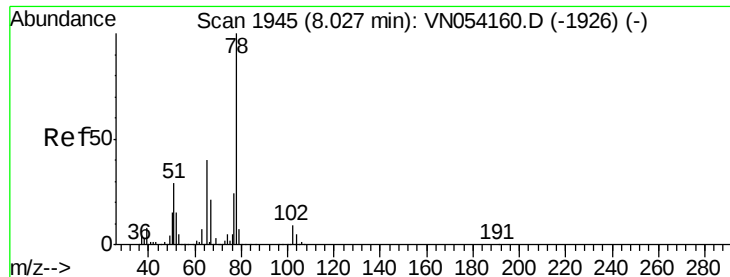
Tot Ion: 56 Resp: 1020035
Ion Ratio Lower Upper
56 100
69 34.3 27.8 41.6
84 93.0 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 49.929 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion: 97 Resp: 1028424
Ion Ratio Lower Upper
97 100
99 65.0 51.5 77.3
61 39.9 33.6 50.4

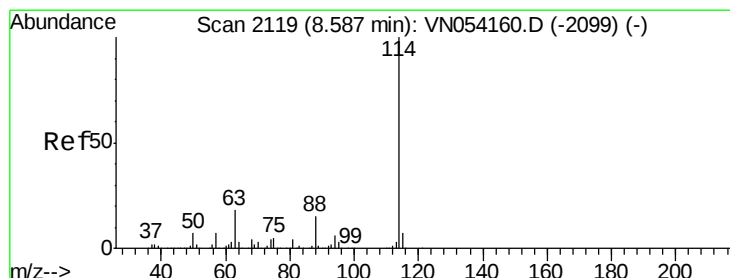
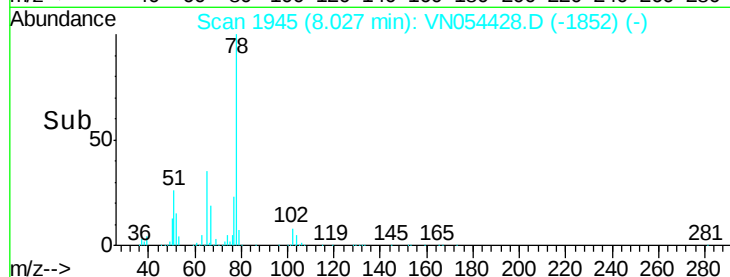
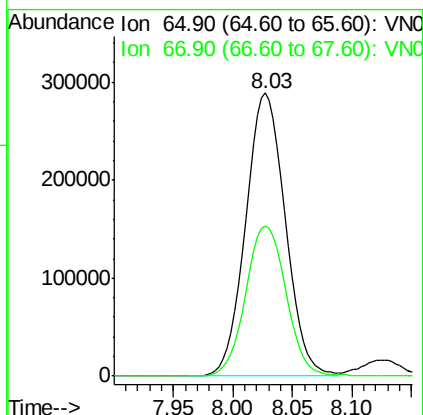
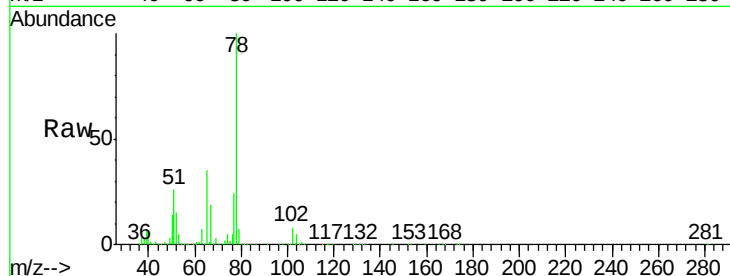




#33
 1,2-Dichloroethane-d4
 Concen: 49.089 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054428.D
 Acq: 19 Mar 2019 7:46

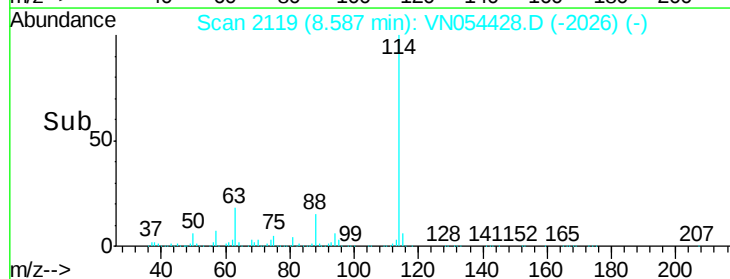
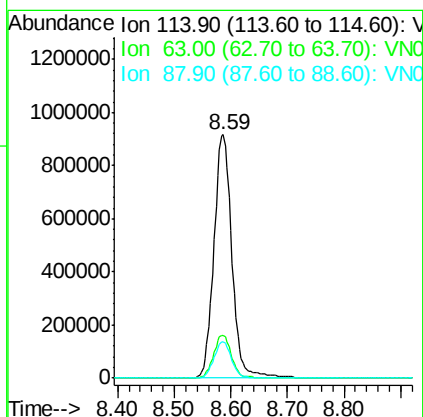
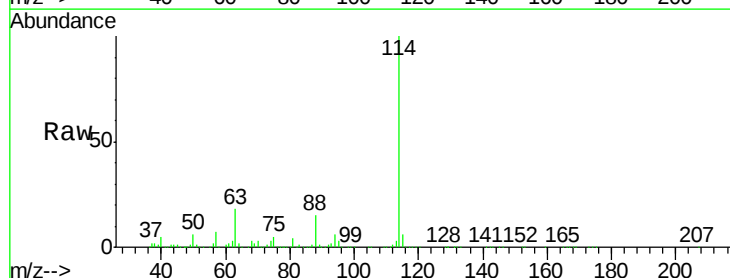
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

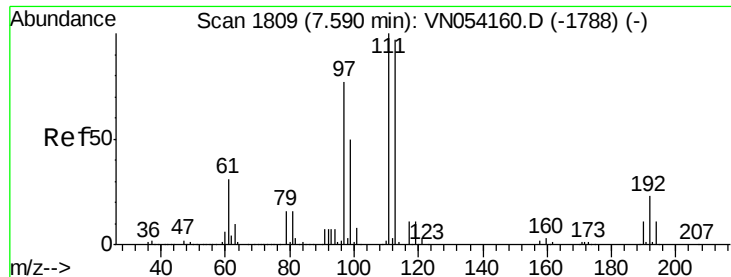
Tot Ion: 65 Resp: 667065
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054428.D
 Acq: 19 Mar 2019 7:46

Tgt Ion: 114 Resp: 2018760
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.2
 88 14.9 0.0 30.2

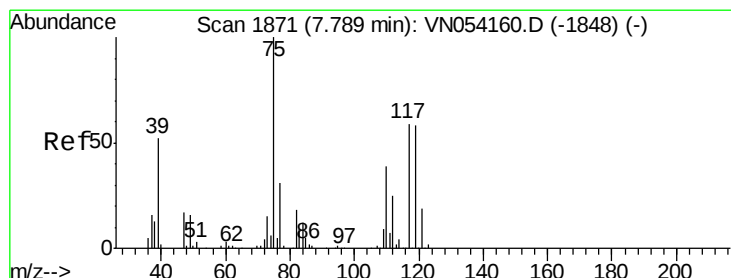
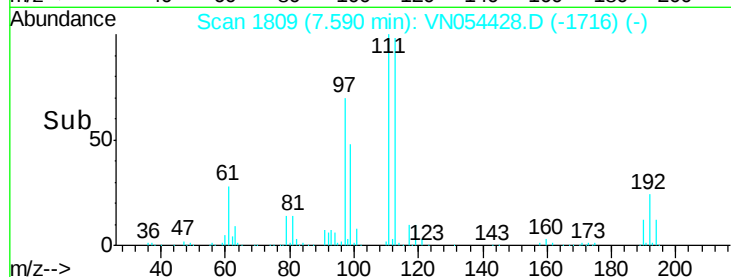
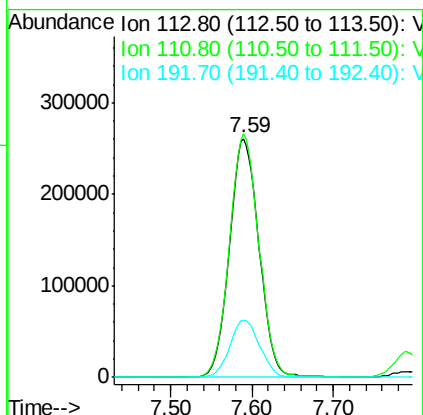
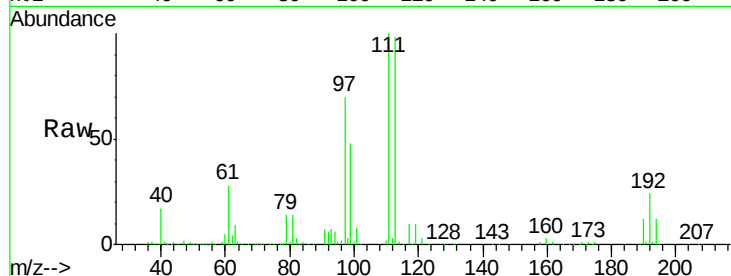




#35
 Dibromofluoromethane
 Concen: 50.581 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054428.D
 Acq: 19 Mar 2019 7:46

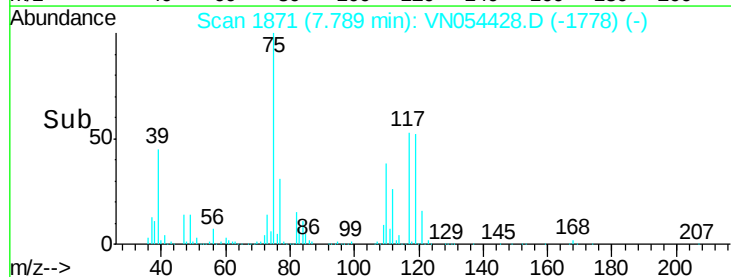
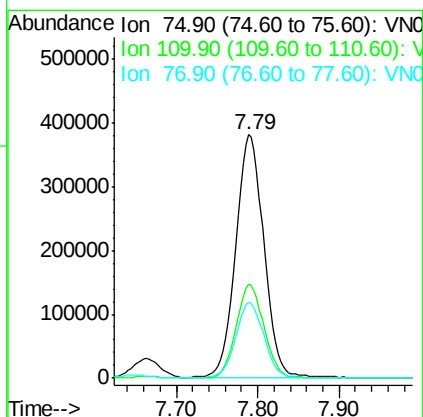
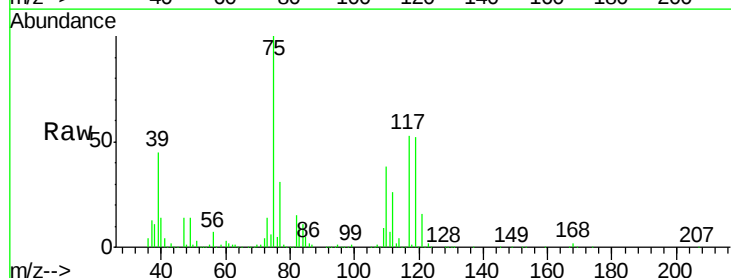
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

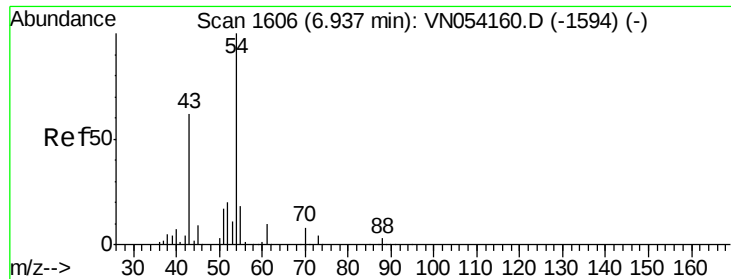
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	24.2	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 48.877 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054428.D
 Acq: 19 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.3	19.1	57.5
77	31.3	25.0	37.4

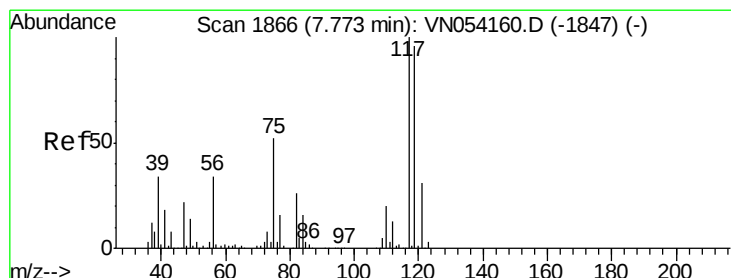
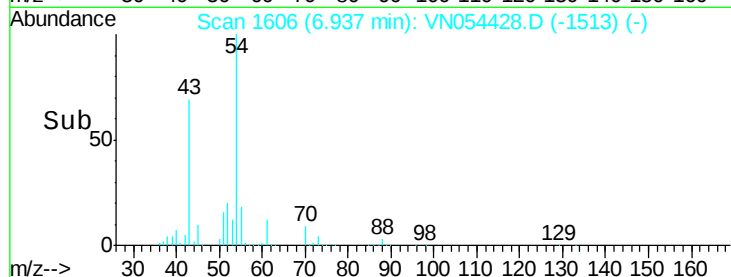
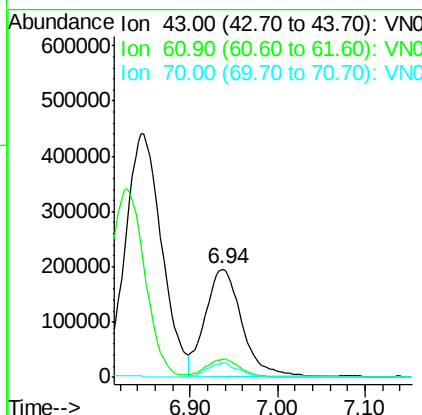
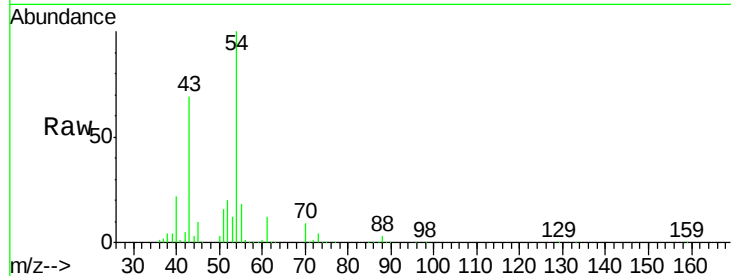




#37
Ethyl Acetate
Concen: 52.750 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

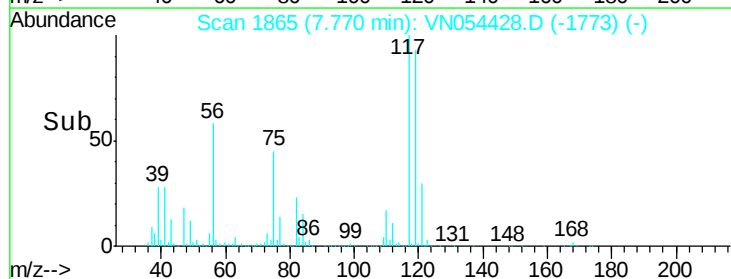
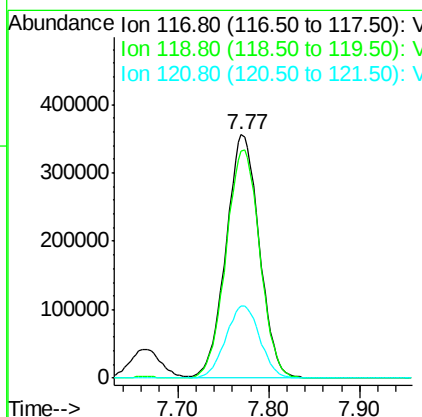
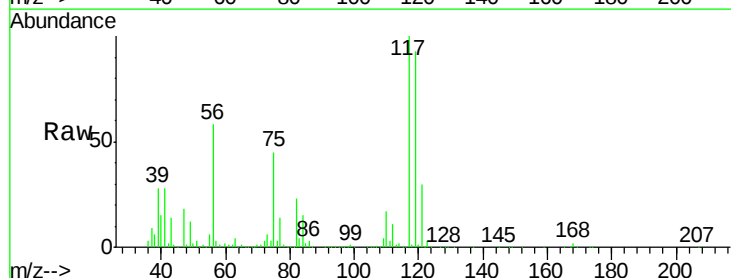
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

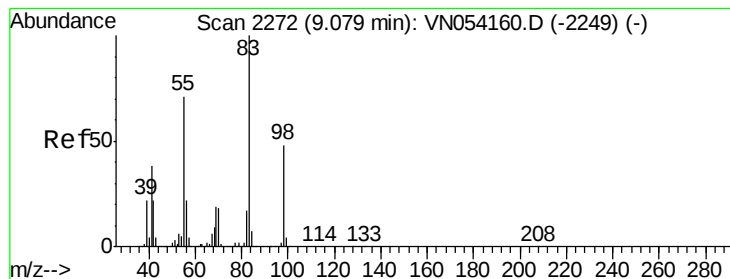
Tot Ion: 43 Resp: 563489
Ion Ratio Lower Upper
43 100
61 15.6 11.8 17.6
70 11.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 46.161 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion: 117 Resp: 899964
Ion Ratio Lower Upper
117 100
119 93.3 76.3 114.5
121 29.8 24.6 36.8





#39

Methvlcvclohexane

Concen: 44.510 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

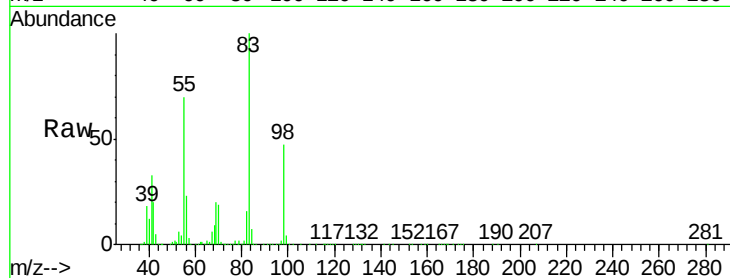
Tot Ion: 83 Resp: 1018124

Ion Ratio Lower Upper

83 100

55 69.5 56.6 84.8

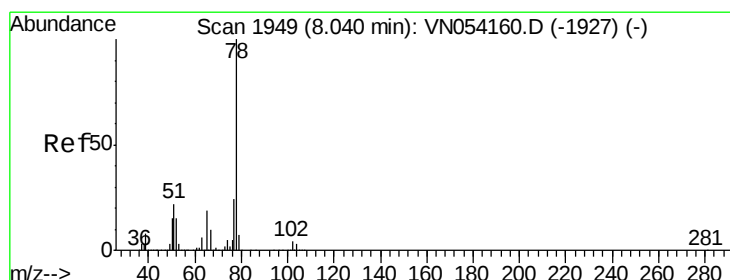
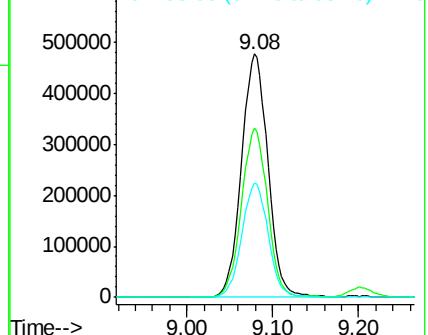
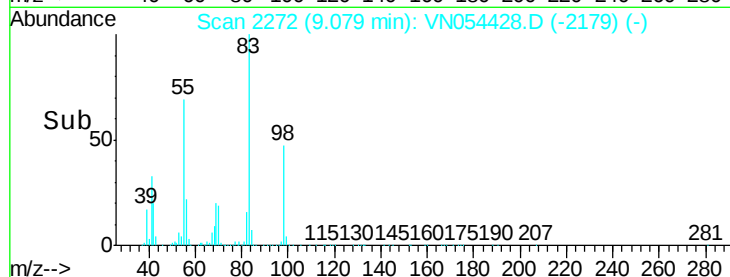
98 46.8 38.4 57.6



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 52.870 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054428.D

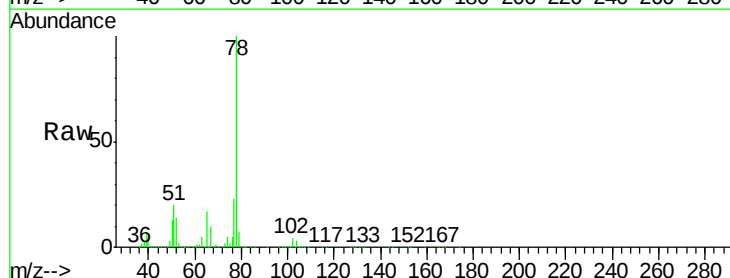
Acq: 19 Mar 2019 7:46

Tgt Ion: 78 Resp: 2812685

Ion Ratio Lower Upper

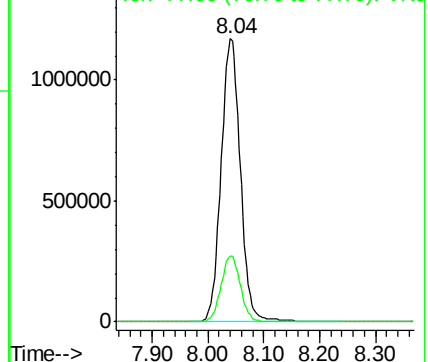
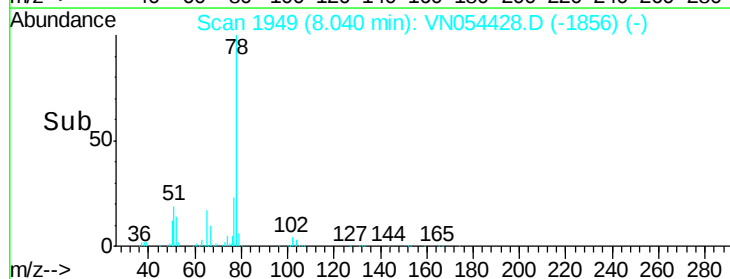
78 100

77 23.4 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

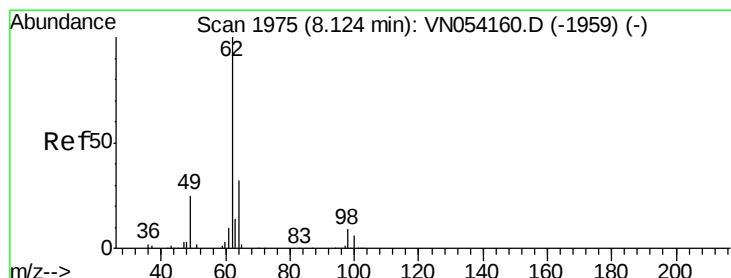
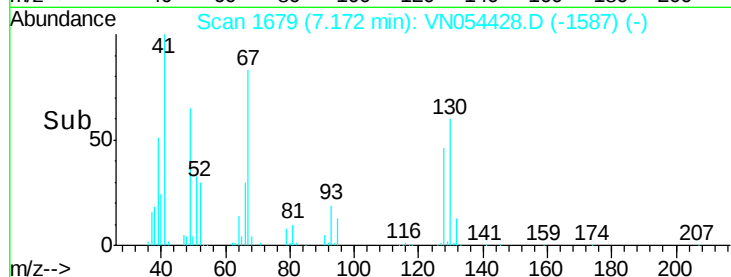
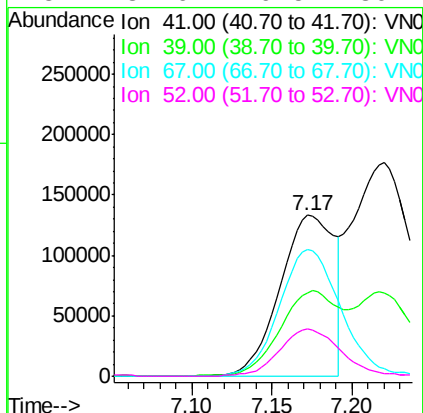
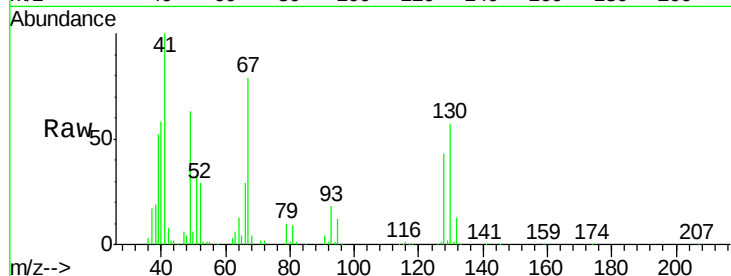




#41
Methacrylonitrile
Concen: 51.705 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

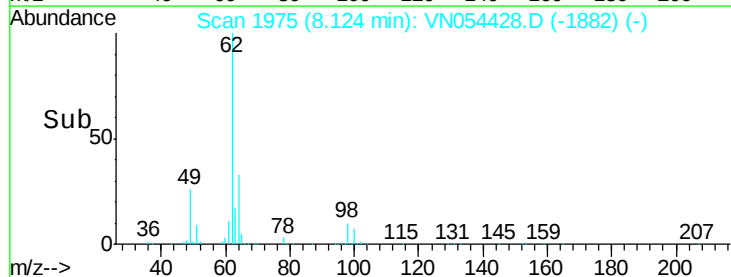
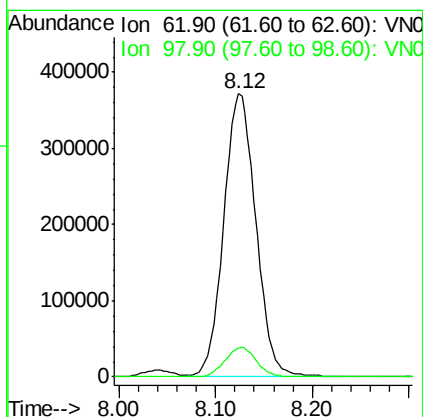
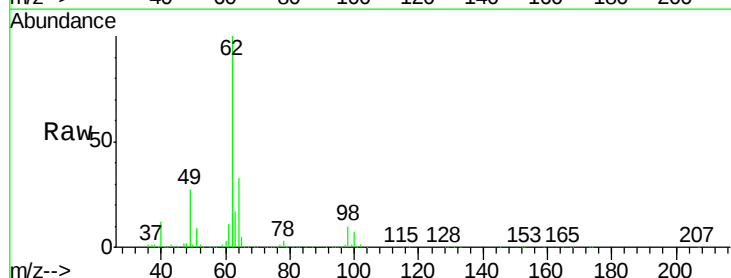
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

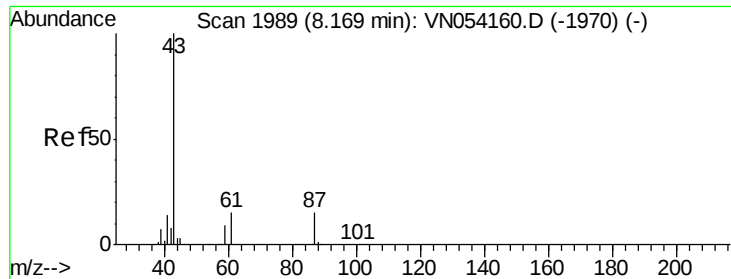
Tot Ion:	41	Resp:	315358
Ion	Ratio	Lower	Upper
41	100		
39	58.5	46.8	70.2
67	90.4	67.0	100.4
52	32.6	26.5	39.7



#42
1,2-Dichloroethane
Concen: 47.515 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion:	62	Resp:	853434
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	18.4





#43

Isopropyl Acetate

Concen: 51.107 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

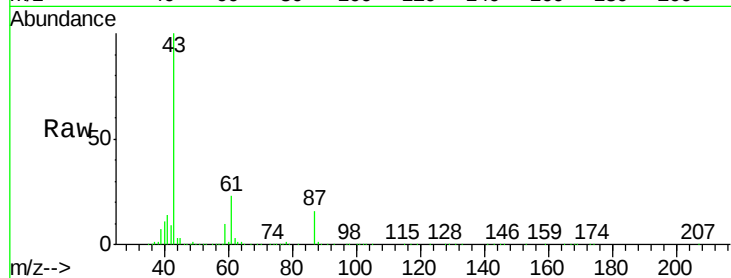
Tot Ion: 43 Resp: 958259

Ion Ratio Lower Upper

43 100

61 22.5 15.8 23.8

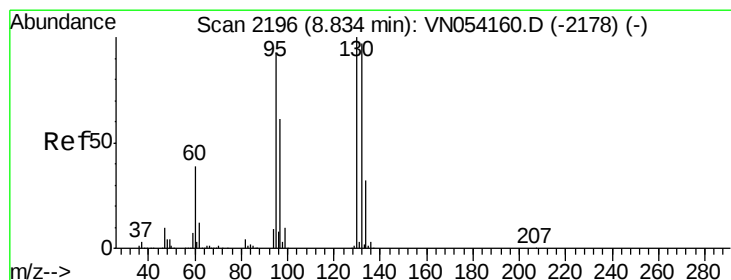
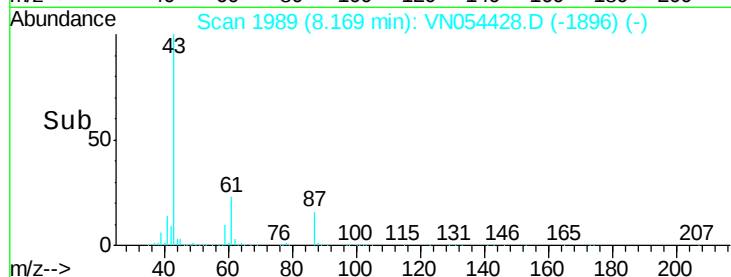
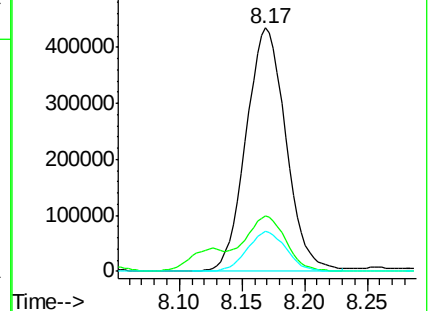
87 16.1 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054428.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN054428.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN054428.D (-2103) (-)



#44

Trichloroethene

Concen: 49.984 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054428.D

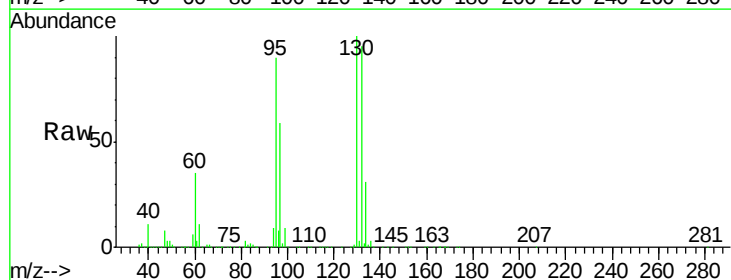
Acq: 19 Mar 2019 7:46

Tgt Ion: 130 Resp: 826057

Ion Ratio Lower Upper

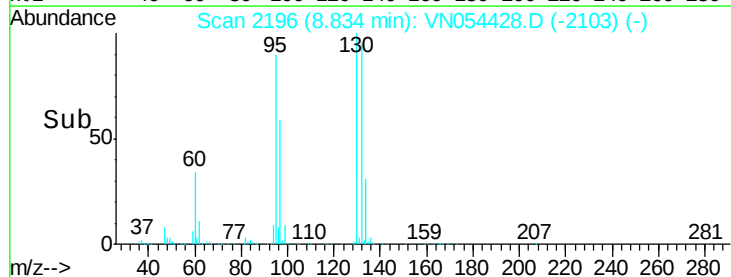
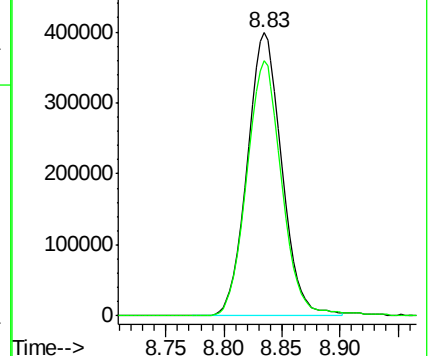
130 100

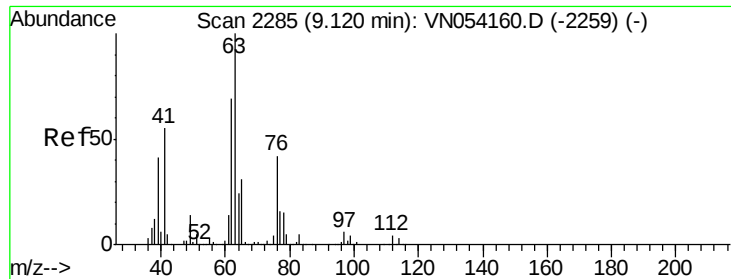
95 90.0 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054428.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054428.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 53.946 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

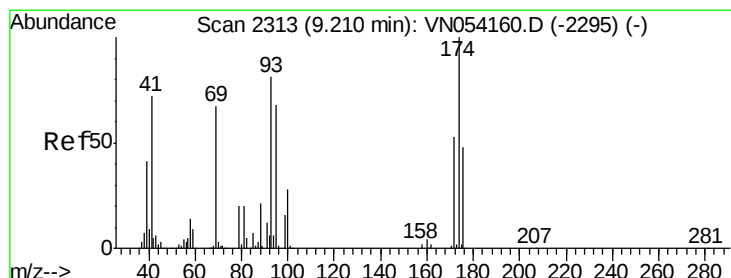
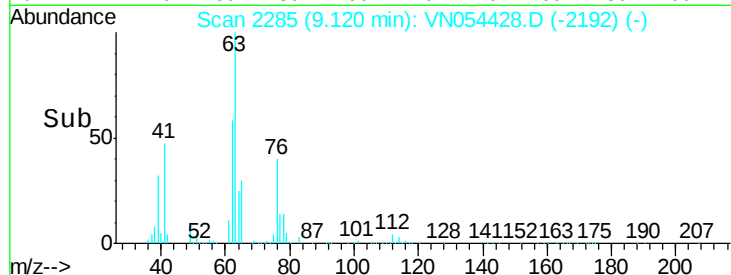
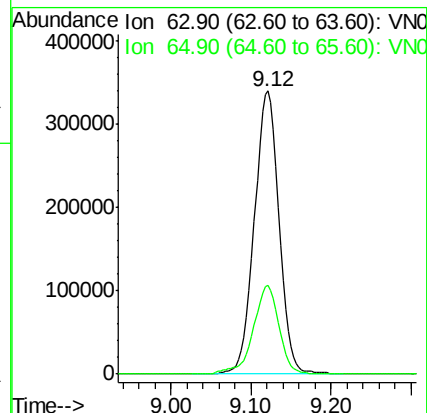
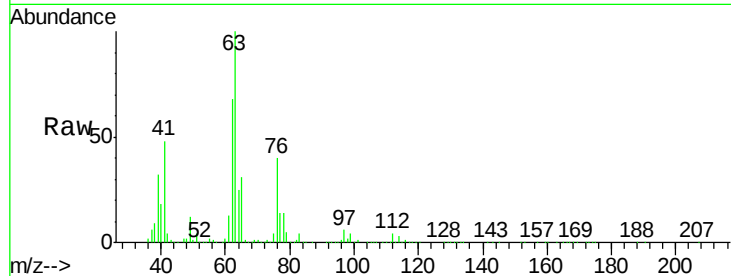
VSTDCCC050EC

Tot Ion: 63 Resp: 712630

Ion Ratio Lower Upper

63 100

65 31.1 25.0 37.6



#46

Dibromomethane

Concen: 50.796 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

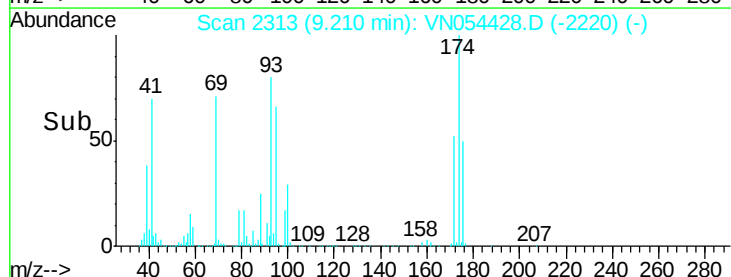
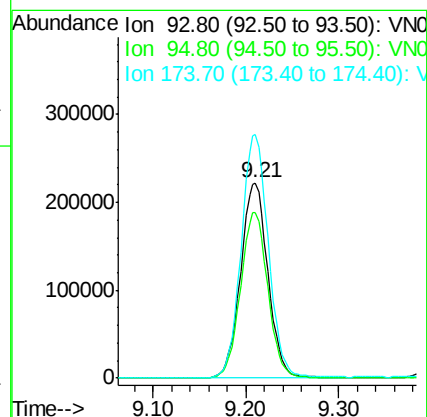
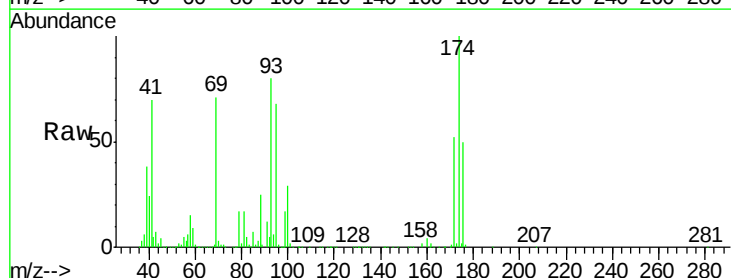
Tgt Ion: 93 Resp: 453385

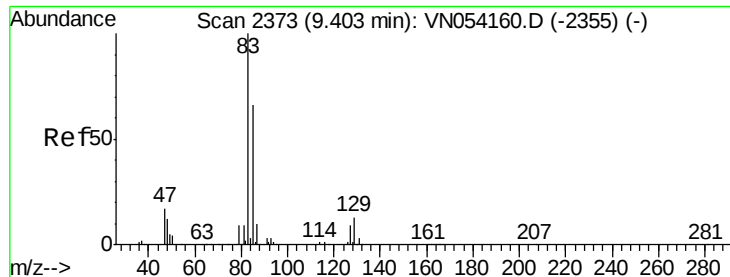
Ion Ratio Lower Upper

93 100

95 84.2 66.7 100.1

174 123.5 98.5 147.7





#47

Bromodichloromethane

Concen: 50.374 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

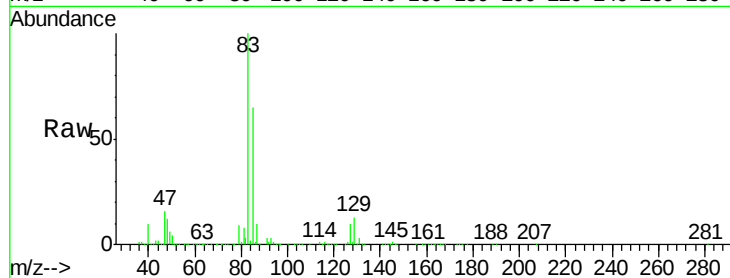
Tot Ion: 83 Resp: 901351

Ion Ratio Lower Upper

83 100

85 65.3 52.8 79.2

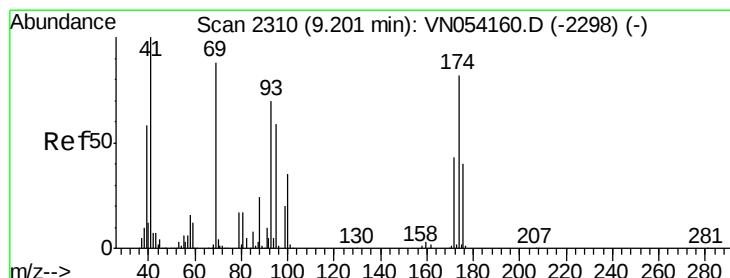
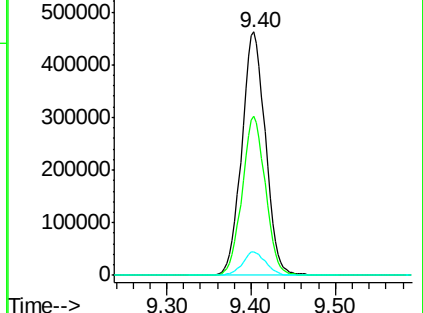
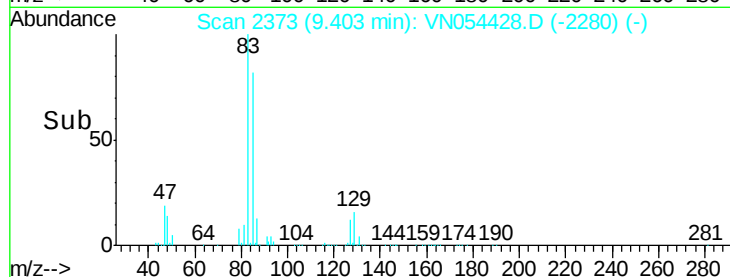
127 9.8 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054428.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054428.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054428.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.400 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

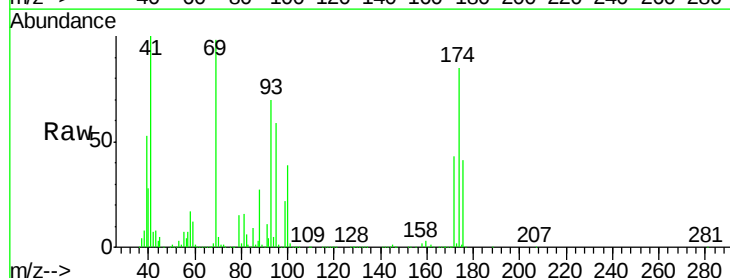
Tgt Ion: 41 Resp: 498604

Ion Ratio Lower Upper

41 100

69 101.8 72.6 108.8

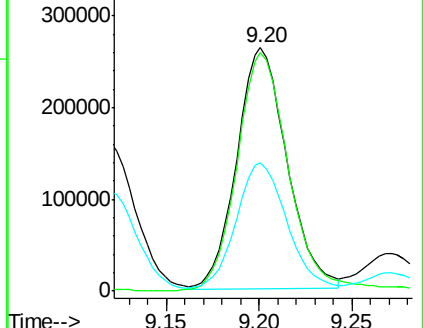
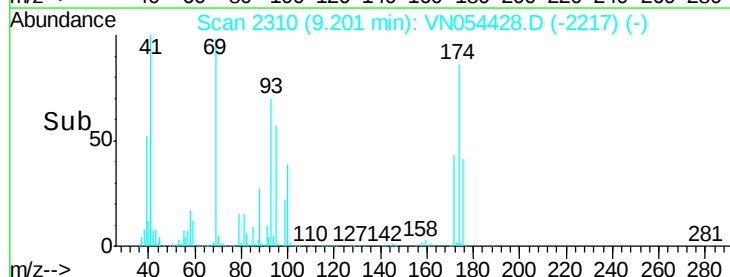
39 53.7 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054428.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054428.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054428.D (-2217) (-)

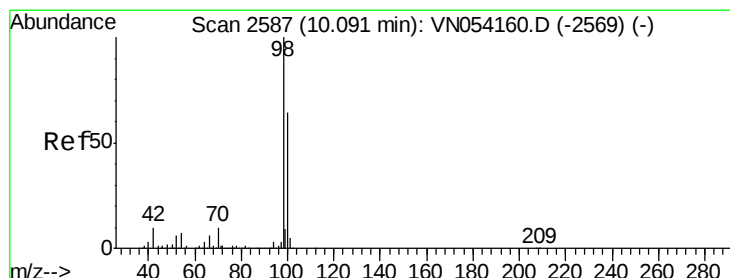
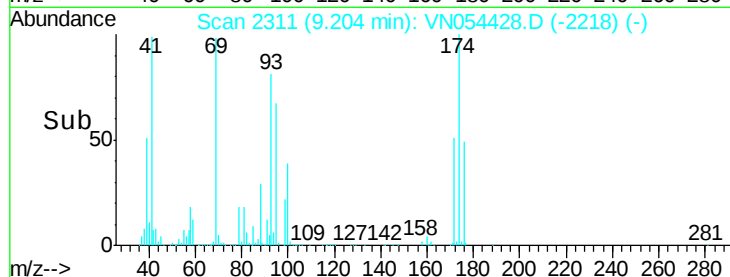
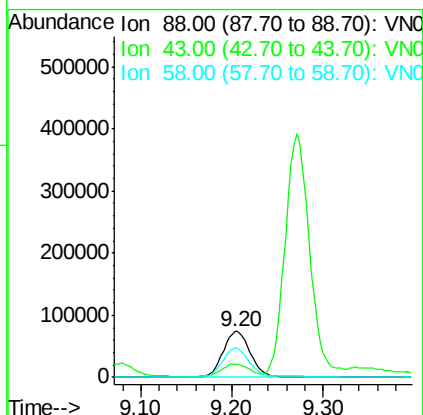
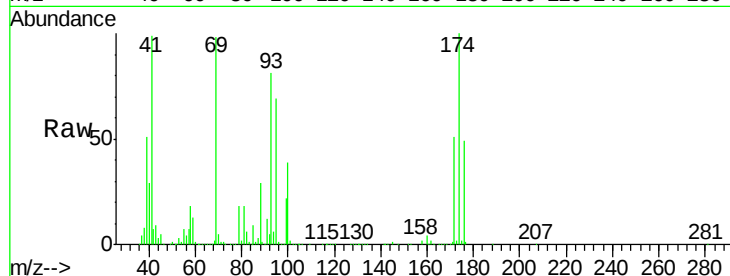




#49
1,4-Dioxane
Concen: 1152.611 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

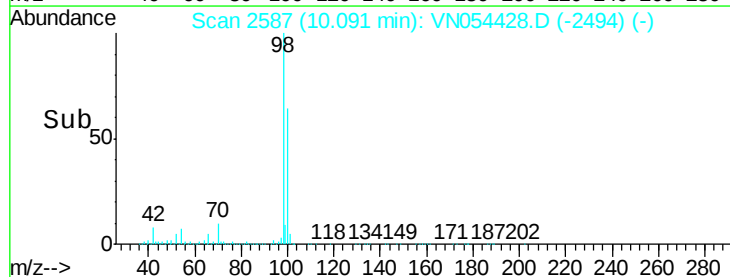
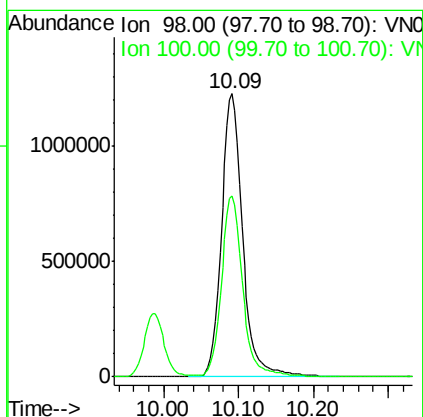
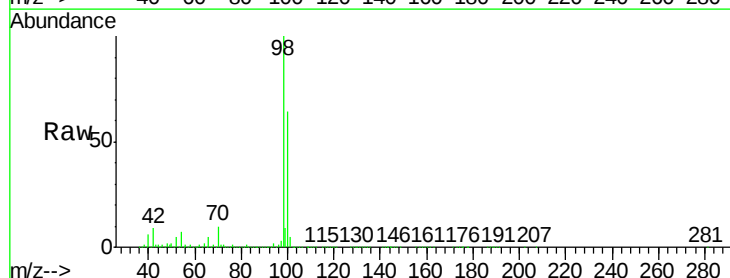
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 155135
Ion Ratio Lower Upper
88 100
43 27.7 24.1 36.1
58 62.4 50.8 76.2



#50
Toluene-d8
Concen: 49.729 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion: 98 Resp: 2391227
Ion Ratio Lower Upper
98 100
100 64.7 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 278.134 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

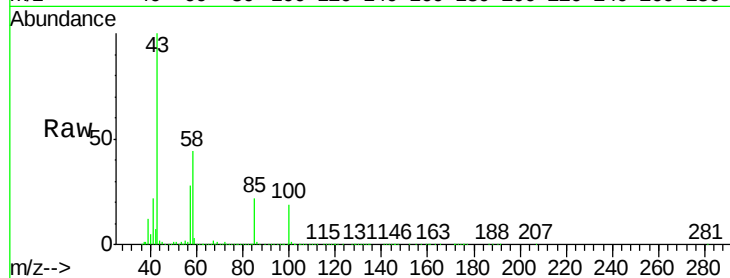
VSTDCCC050EC

Tot Ion: 43 Resp: 2759842

Ion Ratio Lower Upper

43 100

58 43.2 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054428.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN054428.D (-2461) (-)

1500000

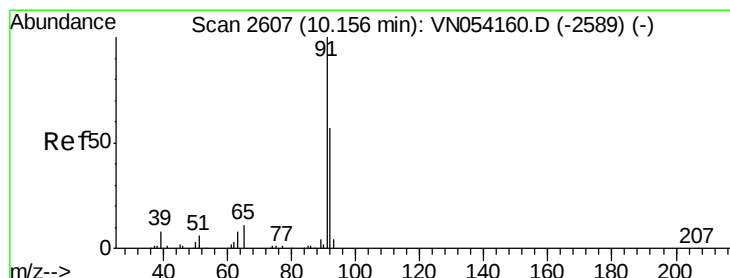
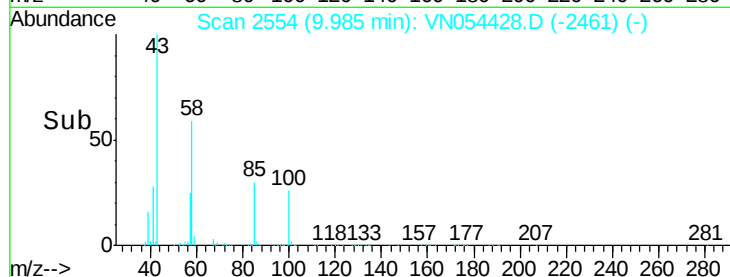
1000000

500000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 52.128 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054428.D

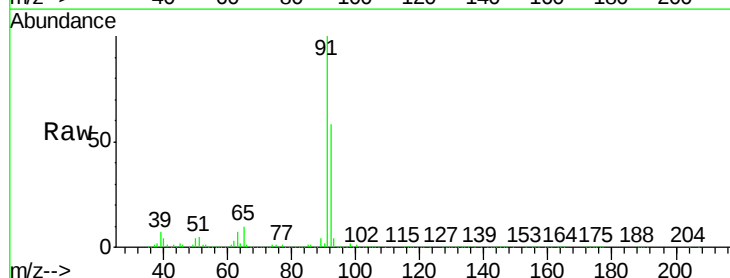
Acq: 19 Mar 2019 7:46

Tgt Ion: 92 Resp: 1758407

Ion Ratio Lower Upper

92 100

91 174.2 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054428.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN054428.D (-2514) (-)

1500000

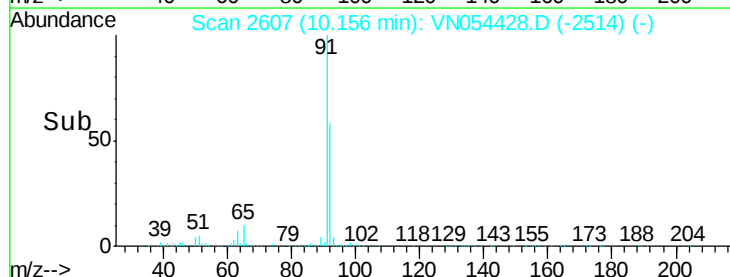
1000000

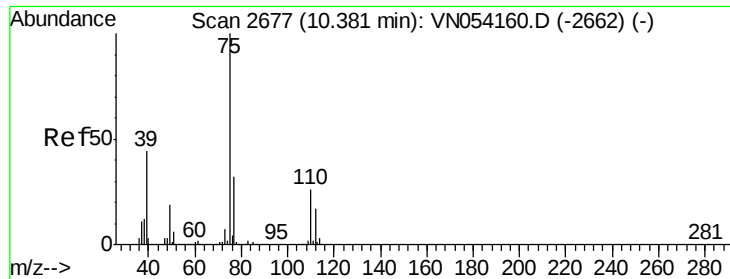
500000

0

10.00 10.10 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 40.731 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

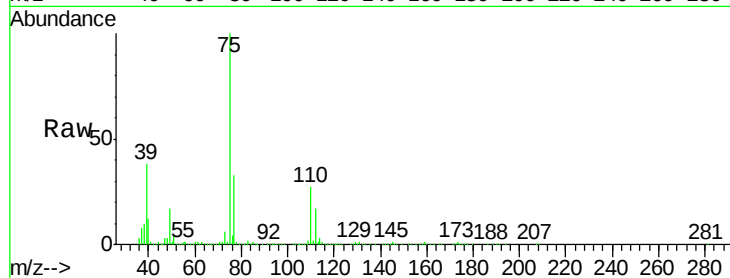
VSTDCCC050EC

Tot Ion: 75 Resp: 825731

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

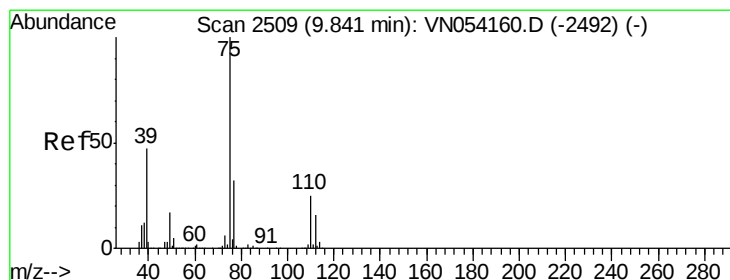
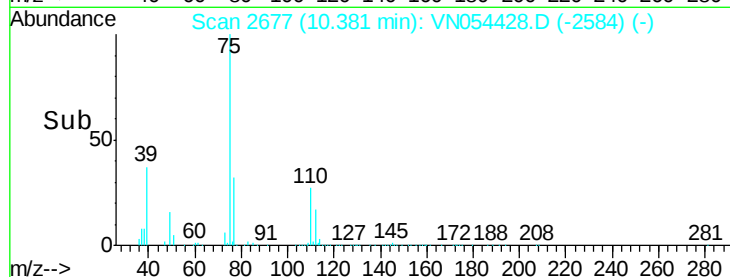
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.157 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

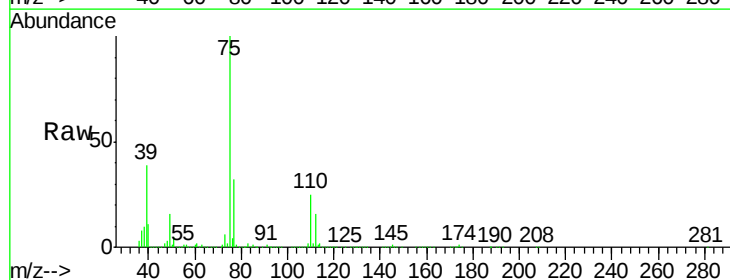
Tgt Ion: 75 Resp: 1004146

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 38.8 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

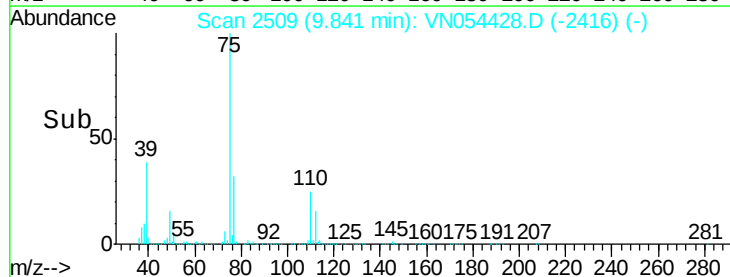
600000

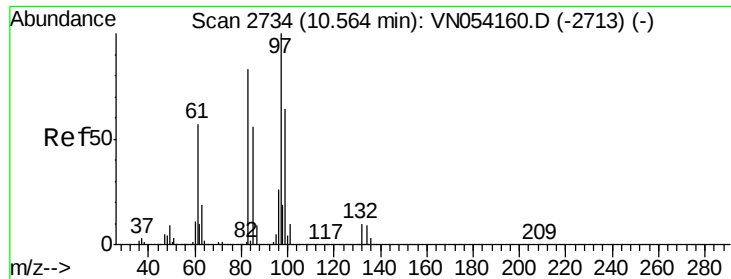
400000

200000

0

Time-->

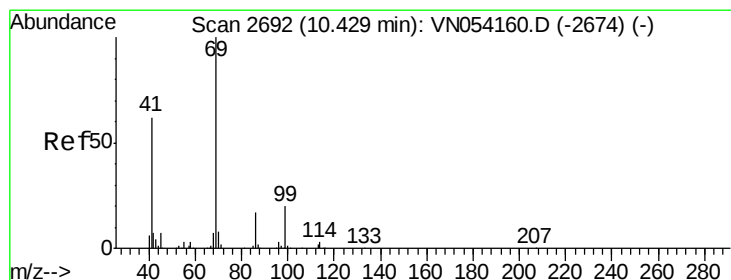
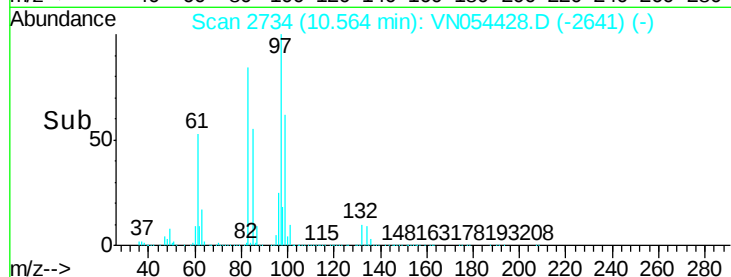
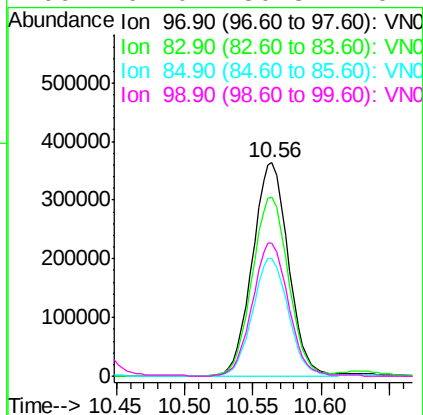
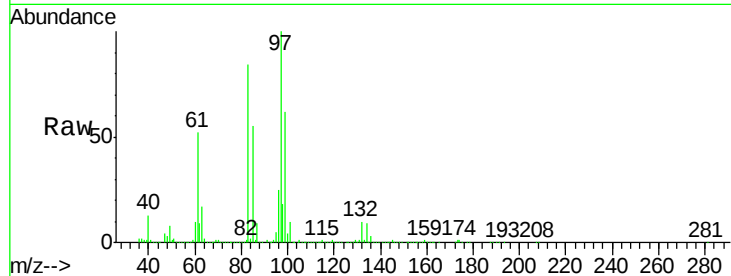




#55
 1,1,2-Trichloroethane
 Concen: 53.892 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054428.D
 Acq: 19 Mar 2019 7:46

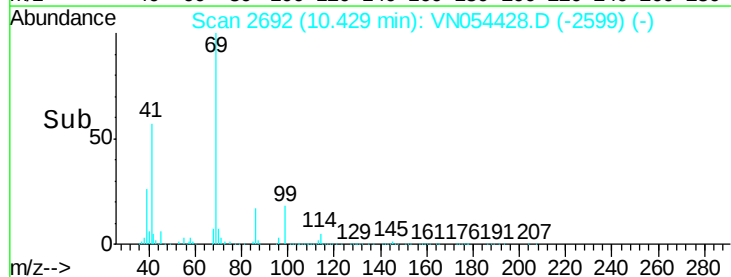
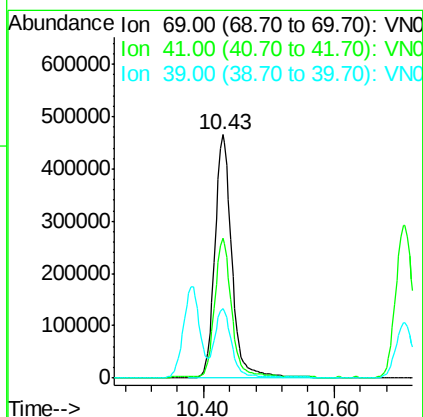
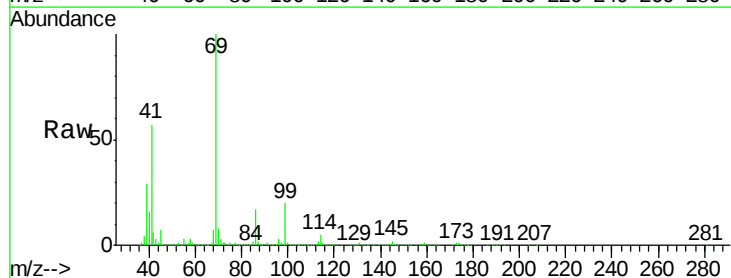
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

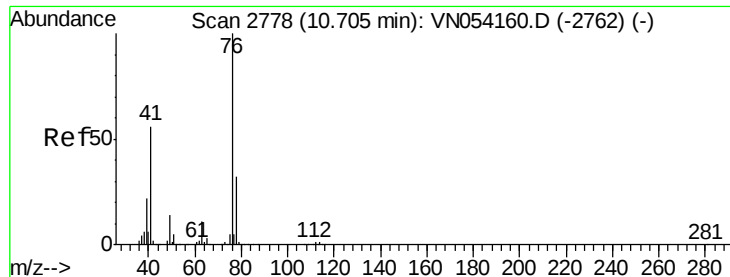
Tot Ion: 97 Resp: 663781
 Ion Ratio Lower Upper
 97 100
 83 83.7 66.6 100.0
 85 55.0 44.4 66.6
 99 62.0 50.8 76.2



#56
 Ethyl methacrylate
 Concen: 57.241 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054428.D
 Acq: 19 Mar 2019 7:46

Tgt Ion: 69 Resp: 840675
 Ion Ratio Lower Upper
 69 100
 41 56.0 49.4 74.2
 39 28.2 28.3 42.5#





#57

1,3-Dichloropropane

Concen: 53.835 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

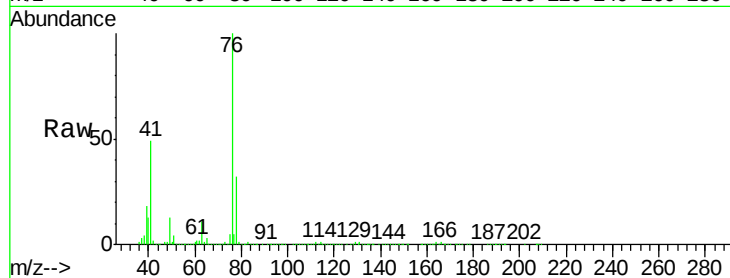
VSTDCCC050EC

Tot Ion: 76 Resp: 1084227

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

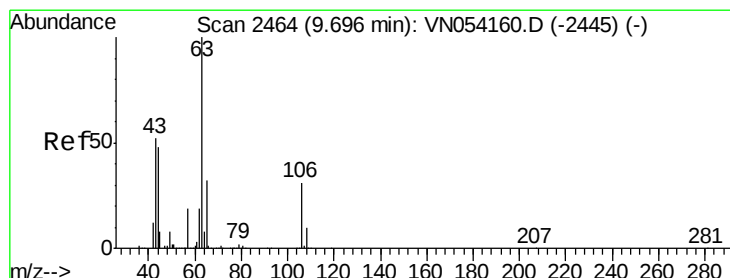
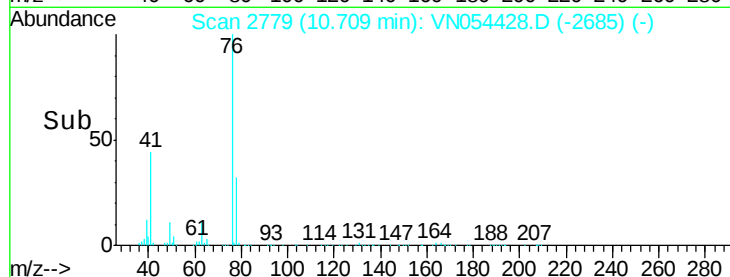
600000

400000

200000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 263.642 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054428.D

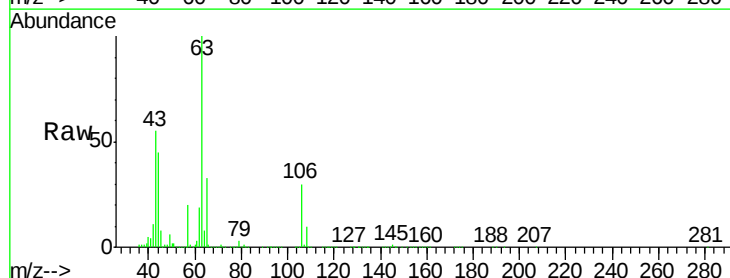
Acq: 19 Mar 2019 7:46

Tgt Ion: 63 Resp: 1686097

Ion Ratio Lower Upper

63 100

106 30.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

1000000

800000

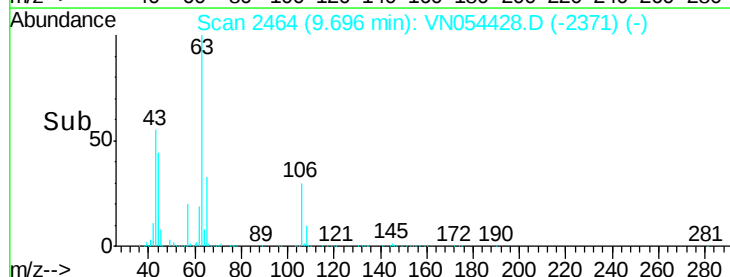
600000

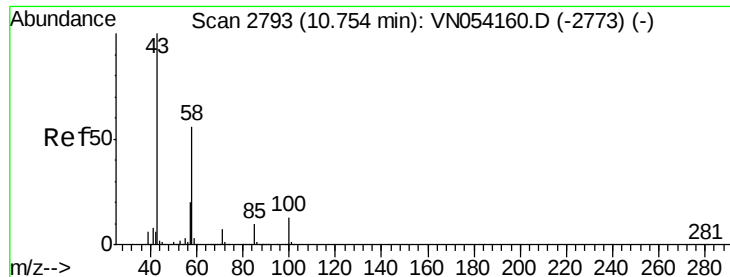
400000

200000

0

Time--> 9.60 9.70 9.80

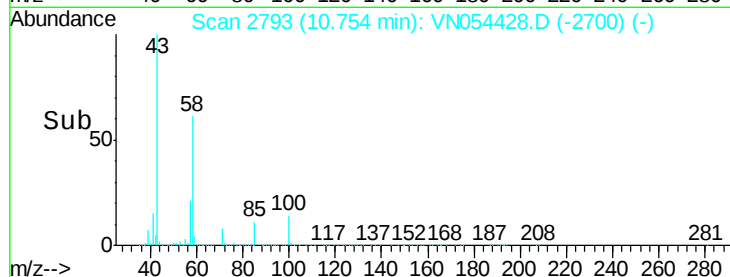
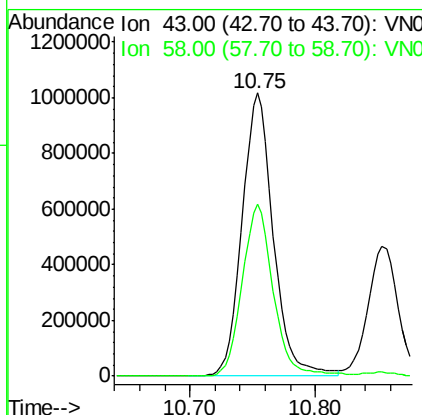
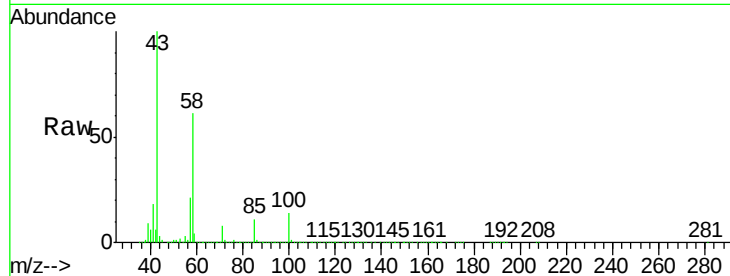




#59
2-Hexanone
Concen: 265.514 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

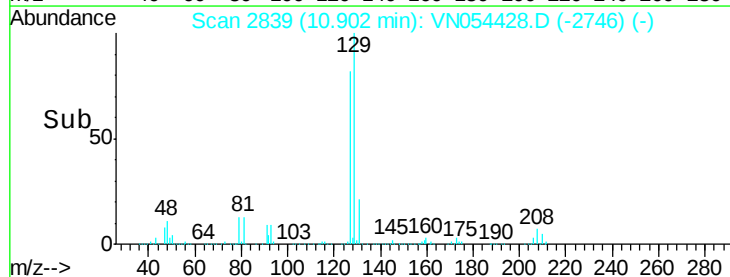
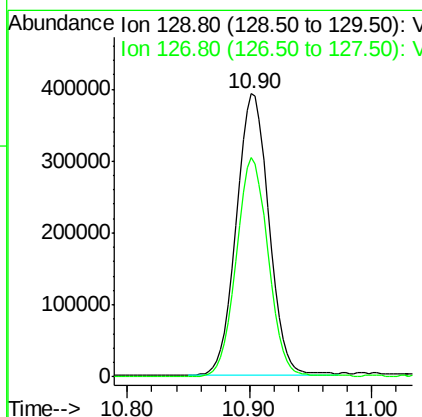
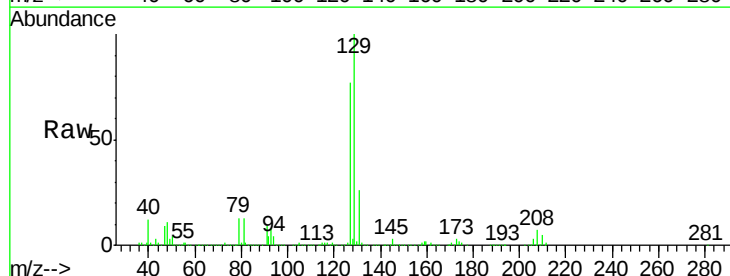
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1753071
Ion Ratio Lower Upper
43 100
58 60.8 28.0 83.9



#60
Dibromochloromethane
Concen: 51.847 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion: 129 Resp: 718777
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 54.133 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

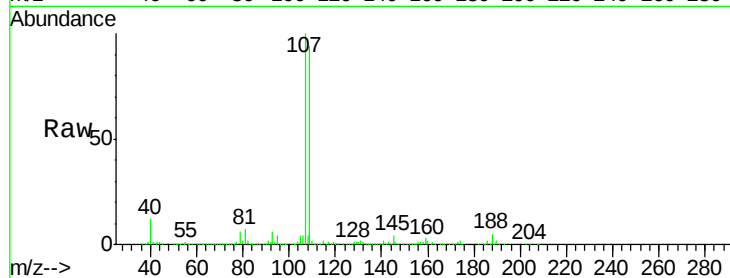
VSTDCCC050EC

Tot Ion:107 Resp: 677577

Ion Ratio Lower Upper

107 100

109 94.1 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

400000

300000

200000

100000

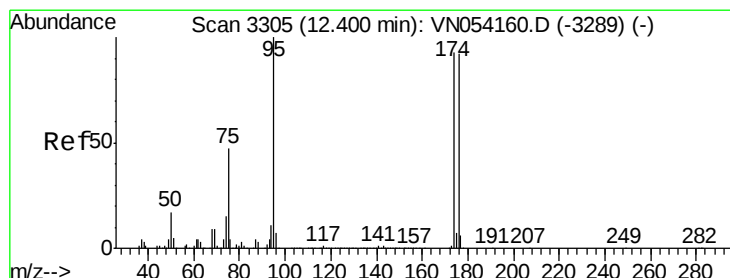
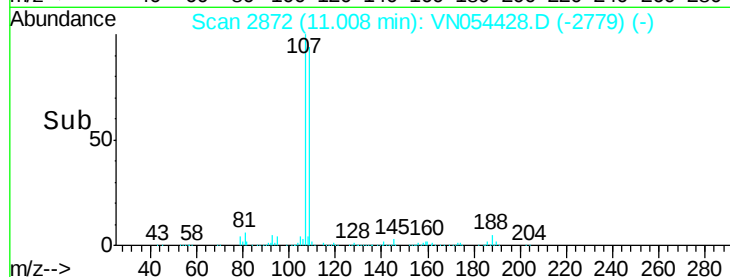
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 49.415 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

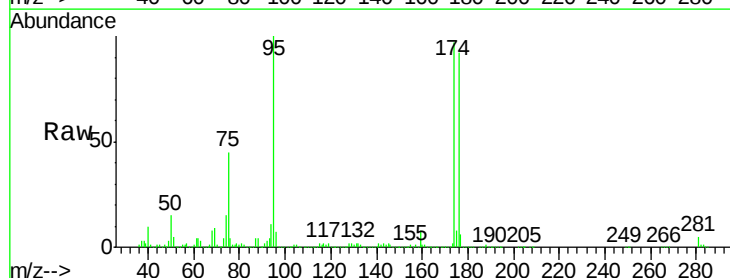
Tgt Ion: 95 Resp: 831417

Ion Ratio Lower Upper

95 100

174 100.0 0.0 191.0

176 93.2 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

600000

500000

400000

300000

200000

100000

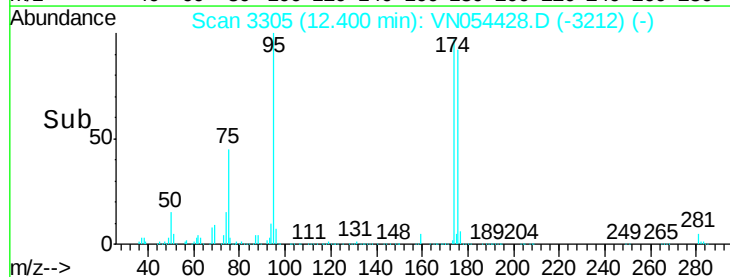
0

Time-->

12.30

12.40

12.50

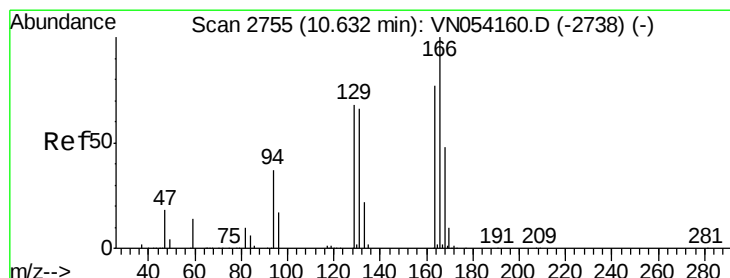
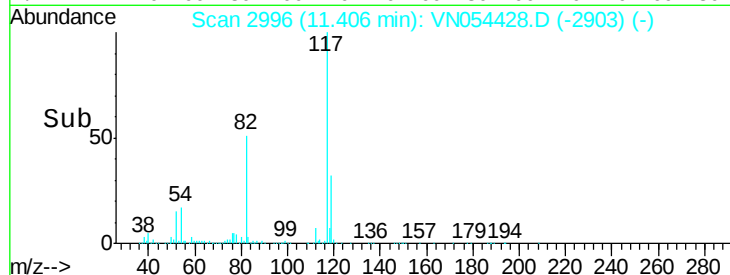
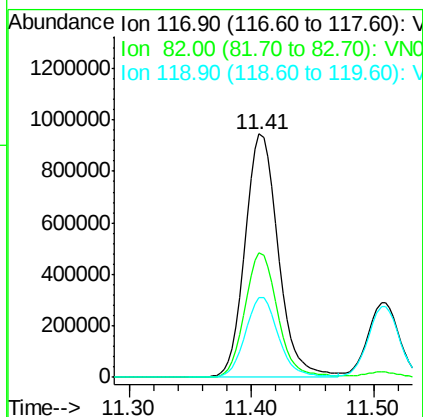
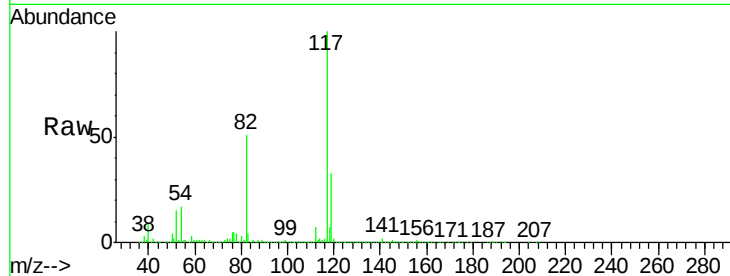




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

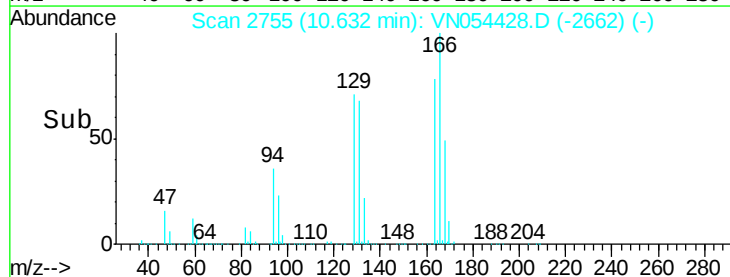
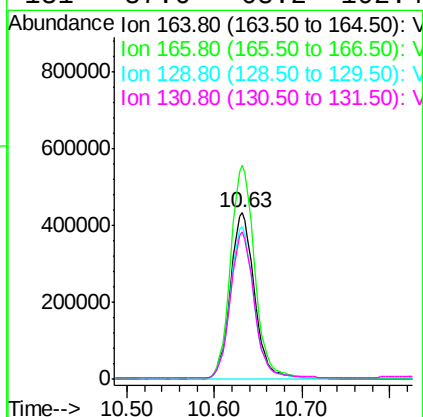
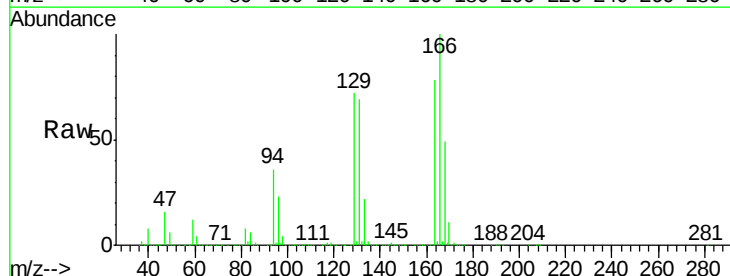
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1755231
Ion Ratio Lower Upper
117 100
82 51.1 40.0 60.0
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 48.924 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion:164 Resp: 830259
Ion Ratio Lower Upper
164 100
166 128.6 103.9 155.9
129 91.7 71.1 106.7
131 87.6 68.2 102.4





#65

Chlorobenzene

Concen: 52.551 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

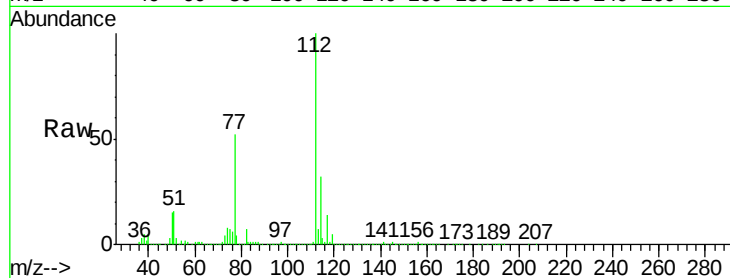
VSTDCCC050EC

Tot Ion:112 Resp: 2025342

Ion Ratio Lower Upper

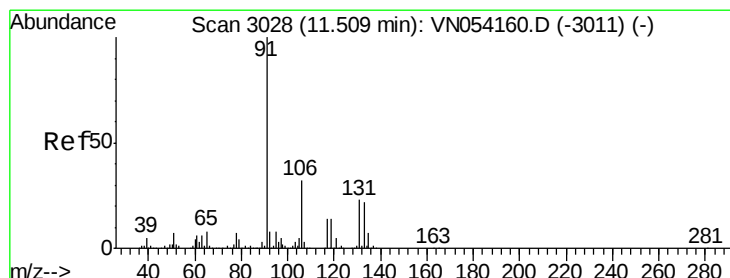
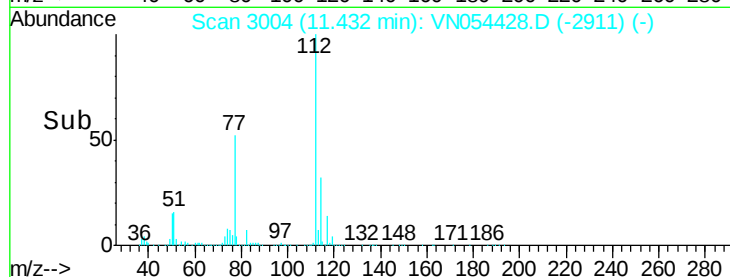
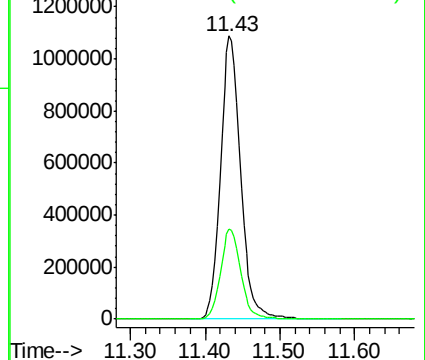
112 100

114 31.9 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.712 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

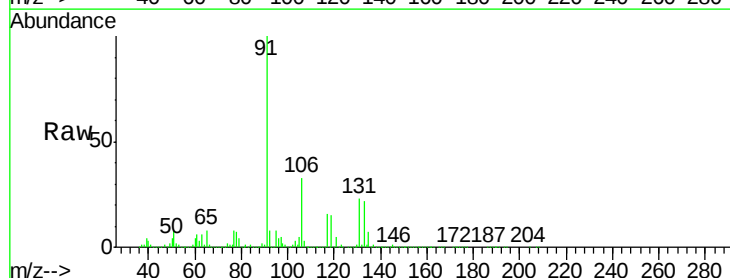
Tgt Ion:131 Resp: 737997

Ion Ratio Lower Upper

131 100

133 94.4 47.6 142.9

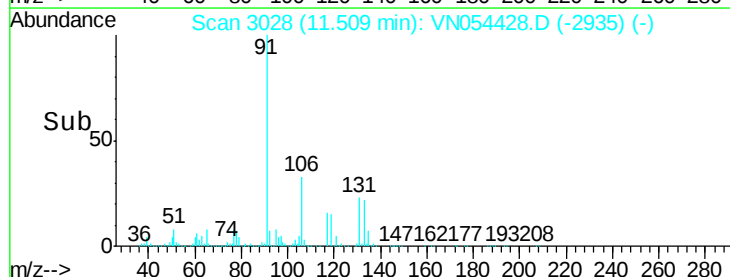
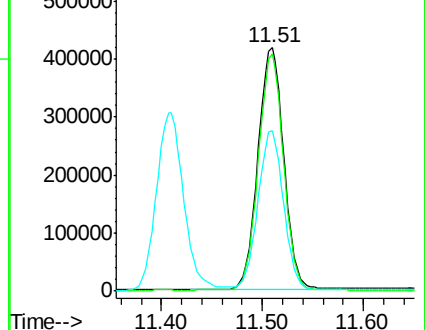
119 64.7 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

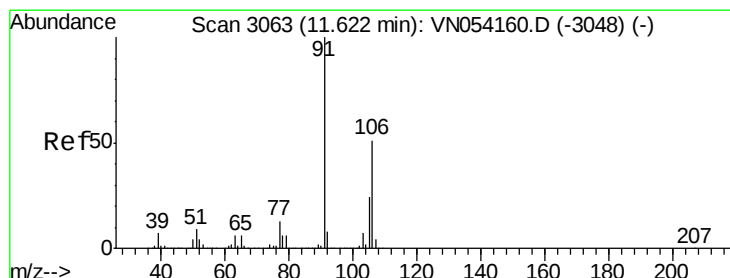
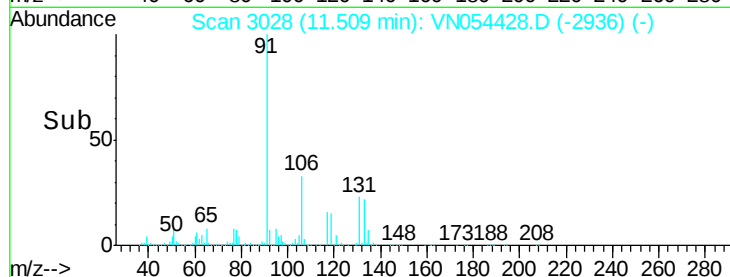
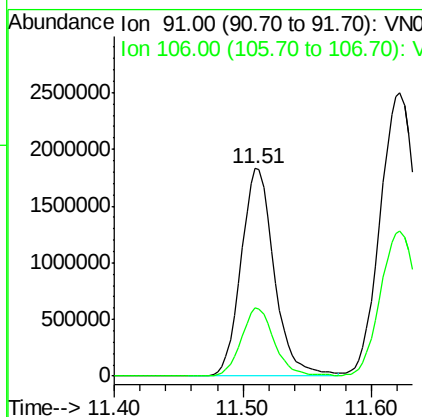
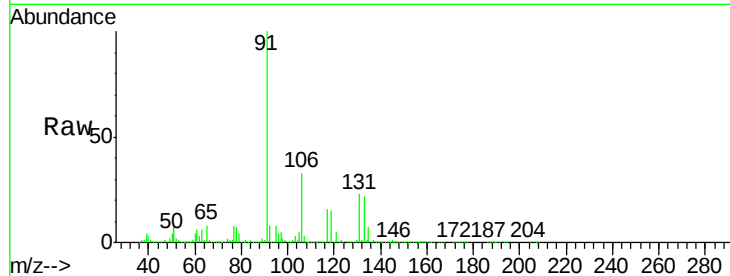




#67
Ethyl Benzene
Concen: 51.209 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

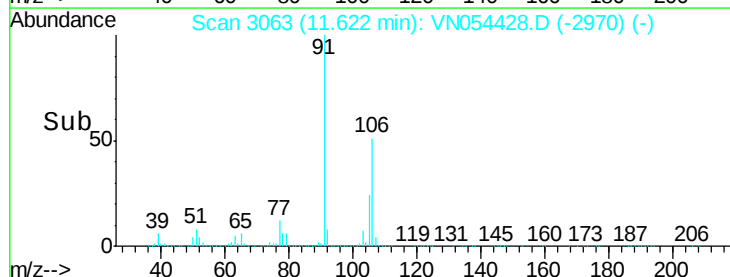
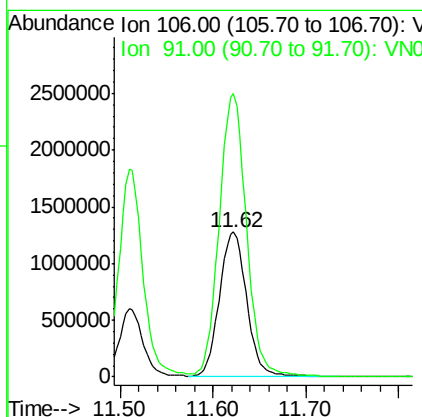
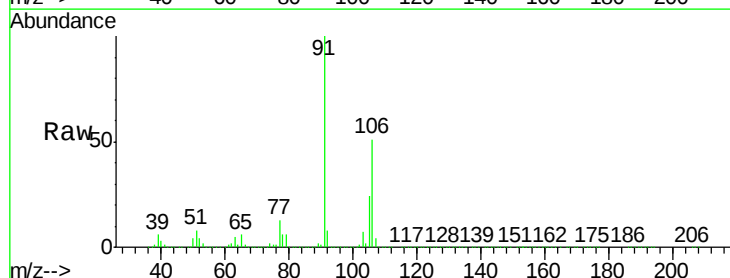
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

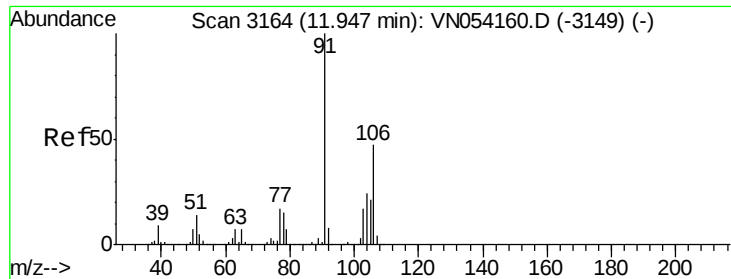
Tot Ion: 91 Resp: 3271558
Ion Ratio Lower Upper
91 100
106 32.9 25.5 38.3



#68
m/p-Xylenes
Concen: 103.993 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion: 106 Resp: 2596705
Ion Ratio Lower Upper
106 100
91 195.7 159.4 239.2

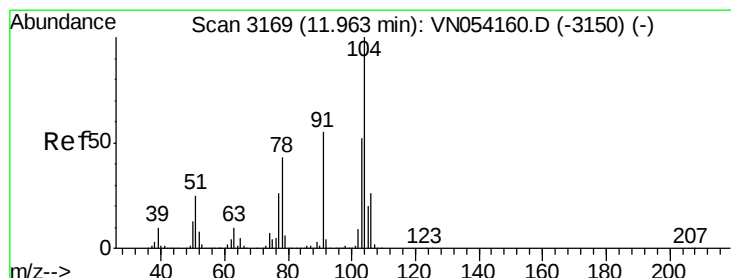
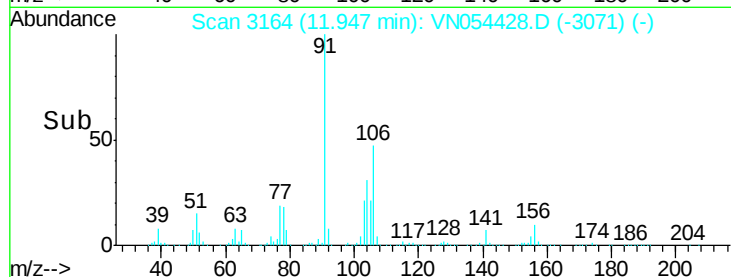
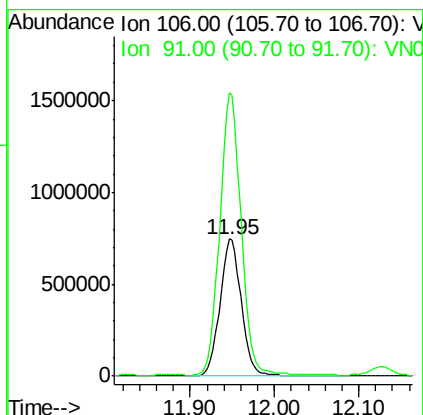
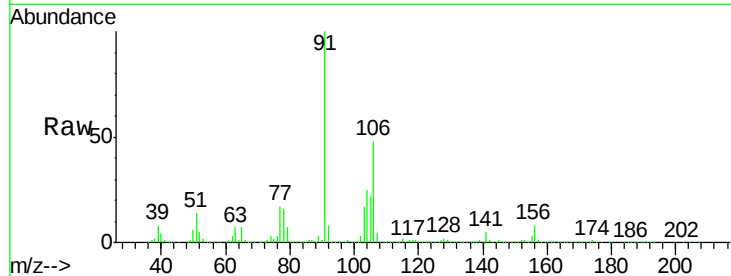




#69
o-Xylene
Concen: 53.578 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

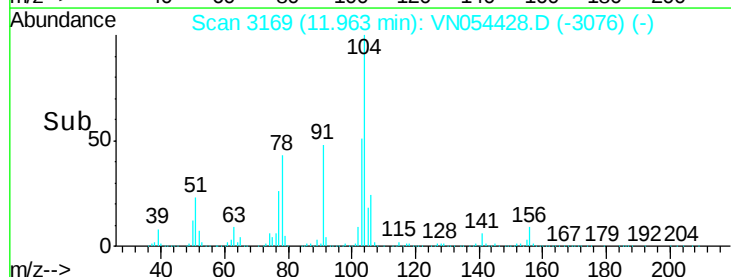
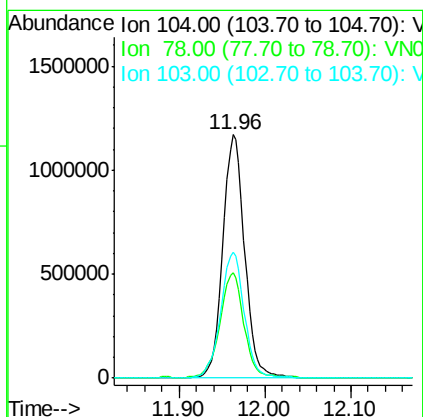
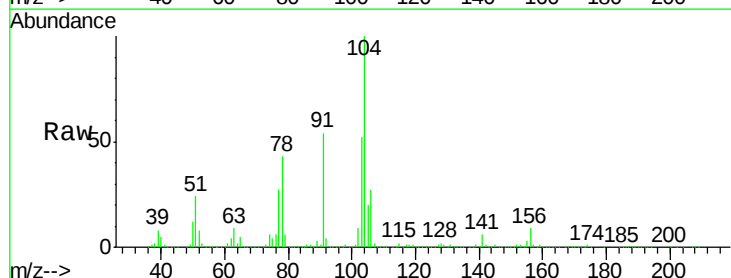
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 1304159
Ion Ratio Lower Upper
106 100
91 206.1 105.7 317.1



#70
Styrene
Concen: 54.083 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion:104 Resp: 2064645
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 55.6 44.4 66.6

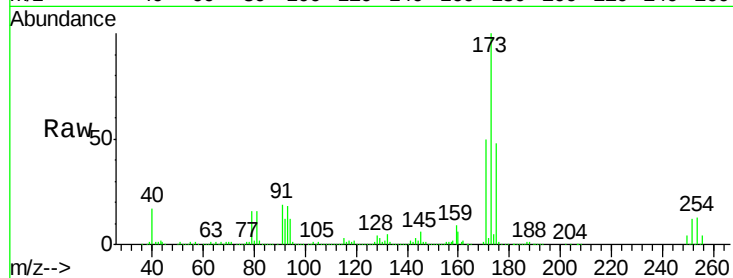




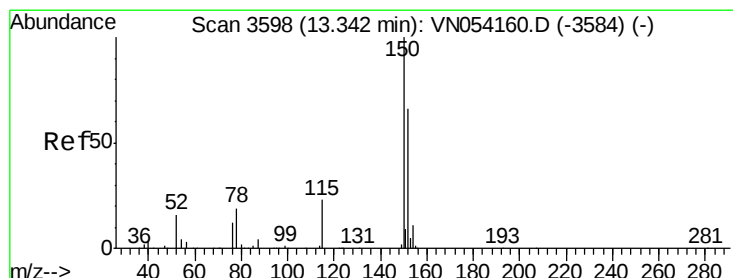
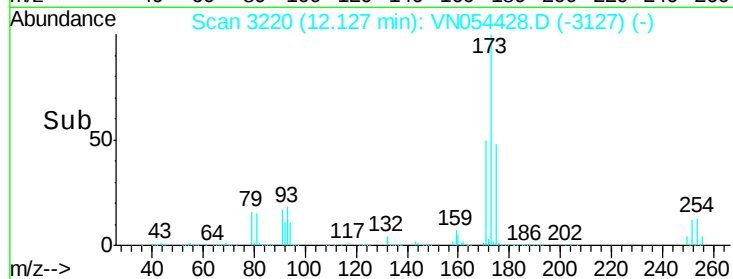
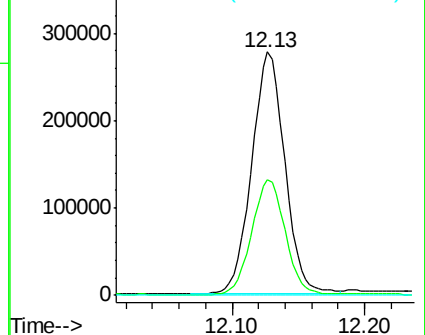
#71
Bromoform
Concen: 45.263 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 480575
Ion Ratio Lower Upper
173 100
175 47.7 24.4 73.2
254 0.1 0.1 0.1

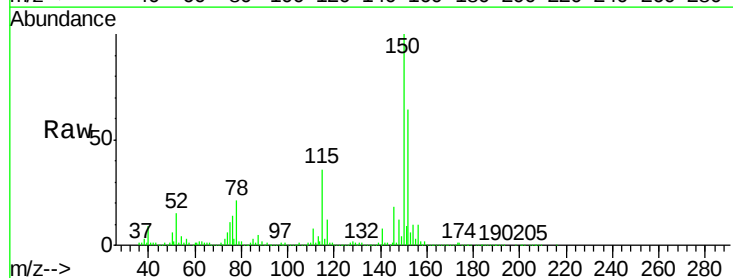


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

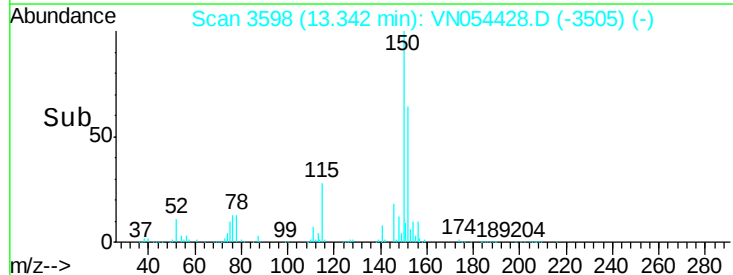
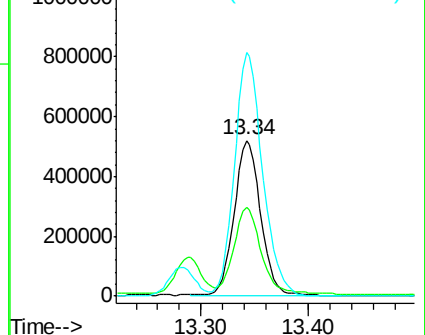


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion:152 Resp: 886634
Ion Ratio Lower Upper
152 100
115 58.7 27.2 81.6
150 166.1 0.0 349.2



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: 47.132 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

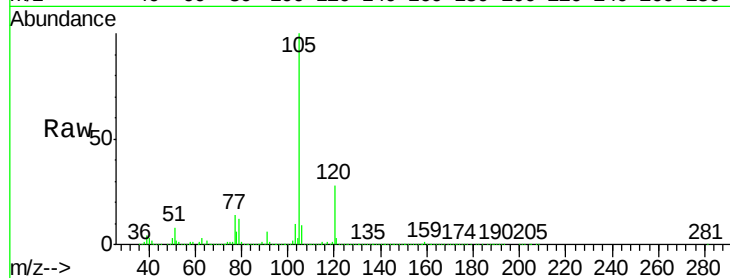
VSTDCCC050EC

Tot Ion:105 Resp: 3343367

Ion Ratio Lower Upper

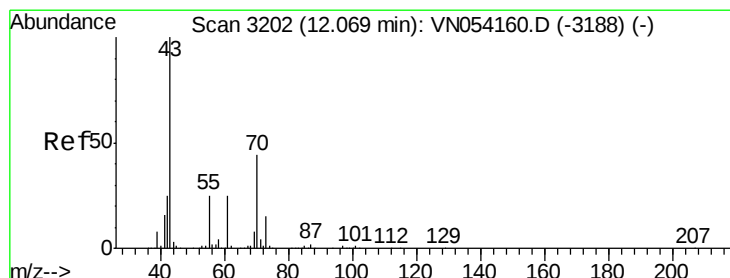
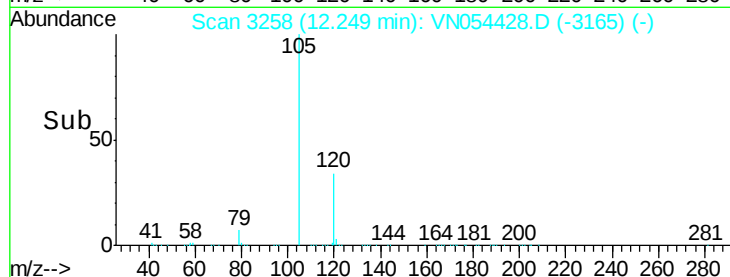
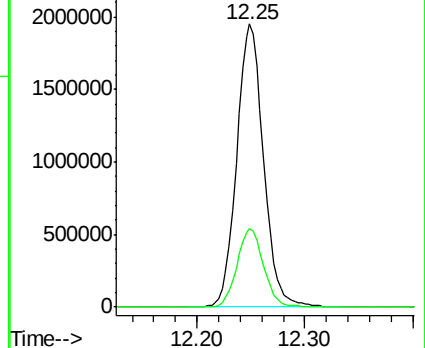
105 100

120 27.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.901 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Tgt Ion: 43 Resp: 801465

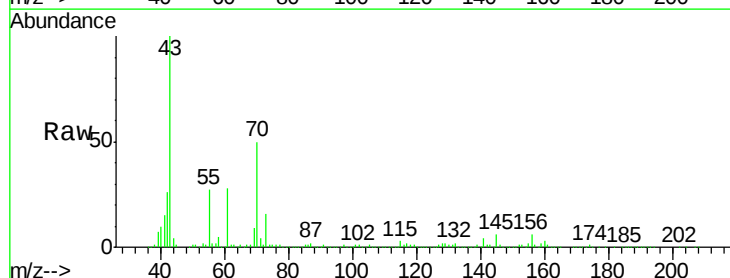
Ion Ratio Lower Upper

43 100

70 50.8 35.4 53.0

55 27.1 19.8 29.6

61 27.4 19.8 29.6

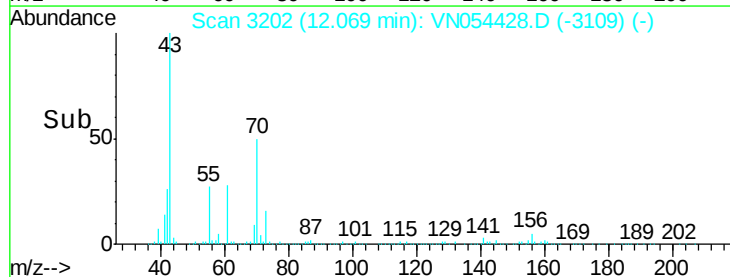
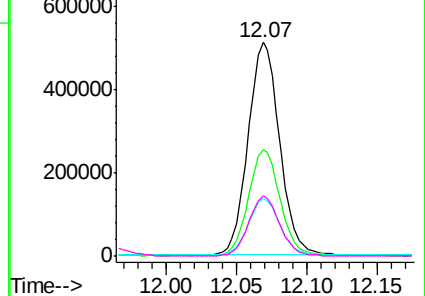


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.555 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

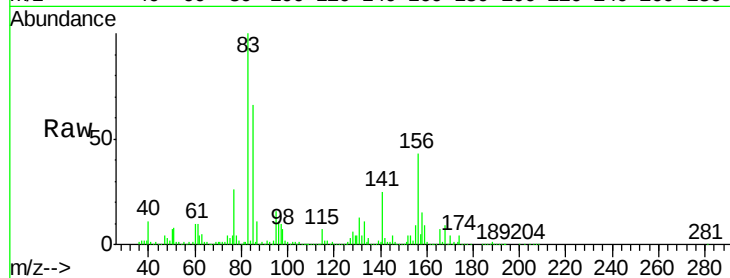
Tot Ion: 83 Resp: 779173

Ion Ratio Lower Upper

83 100

131 13.2 5.8 17.4

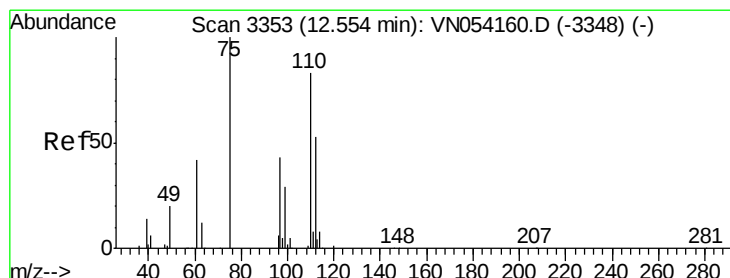
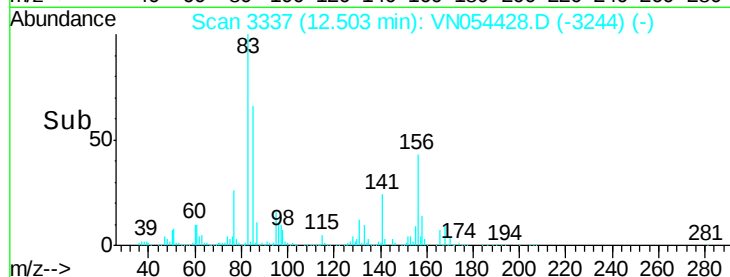
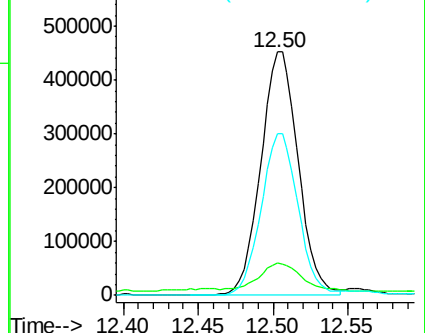
85 65.8 32.2 96.6



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: 71.760 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054428.D

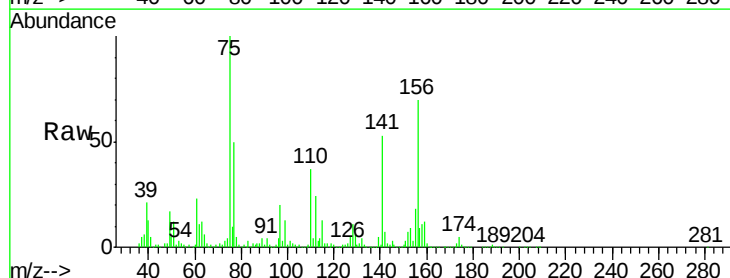
Acq: 19 Mar 2019 7:46

Tgt Ion: 75 Resp: 935633

Ion Ratio Lower Upper

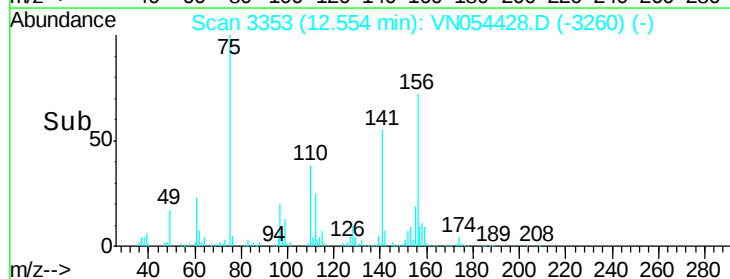
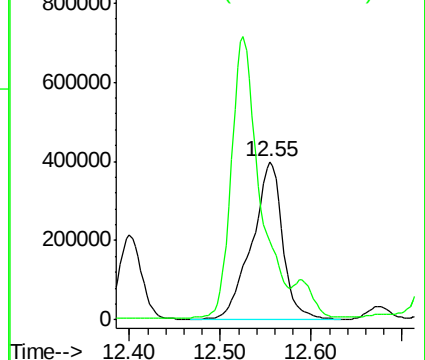
75 100

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: 127.774 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

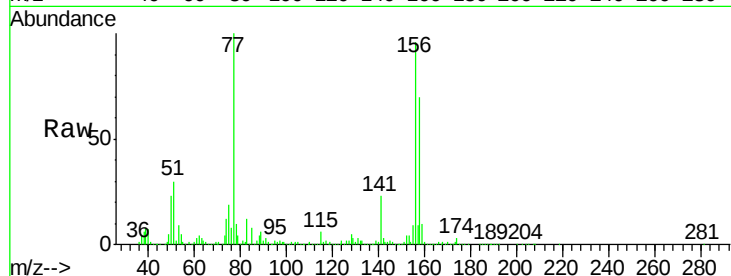
Tot Ion:156 Resp: 2398433

Ion Ratio Lower Upper

156 100

77 64.7 81.5 244.4#

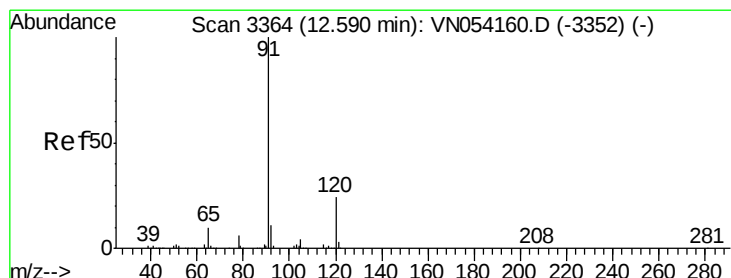
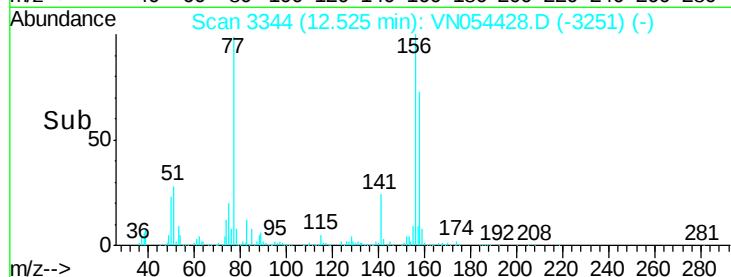
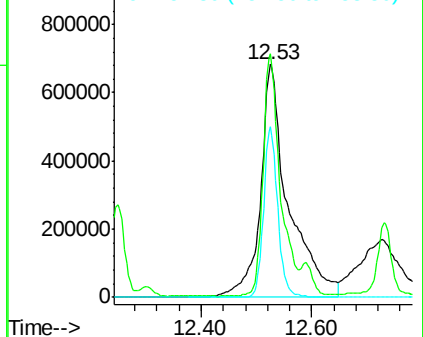
158 36.9 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.383 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054428.D

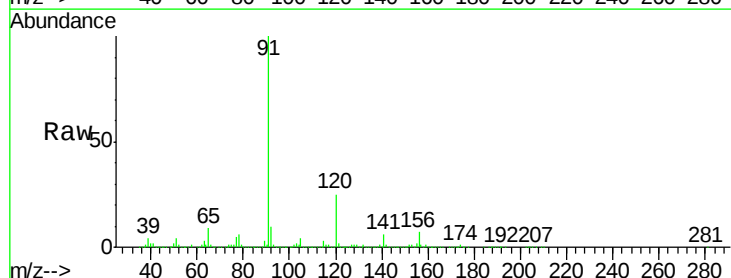
Acq: 19 Mar 2019 7:46

Tgt Ion: 91 Resp: 3570131

Ion Ratio Lower Upper

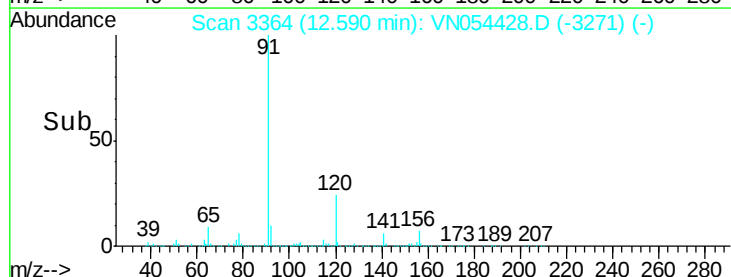
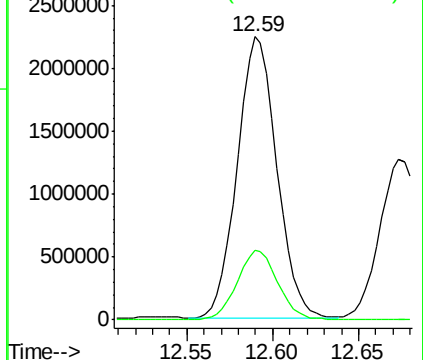
91 100

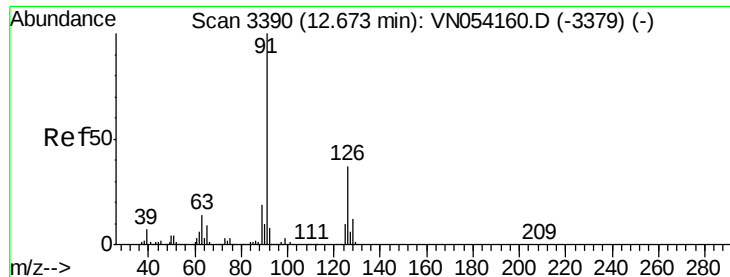
120 25.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.578 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

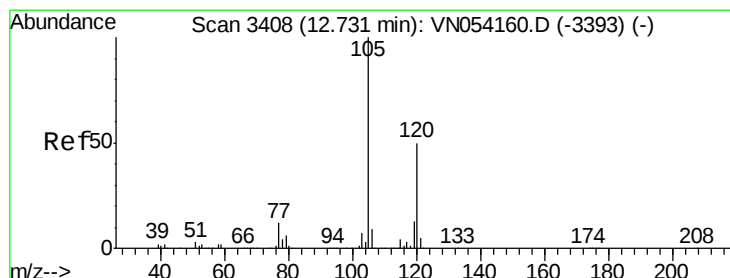
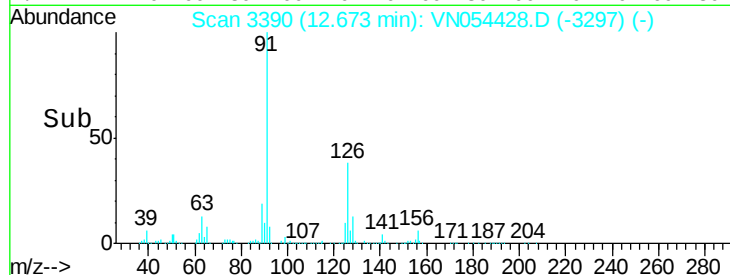
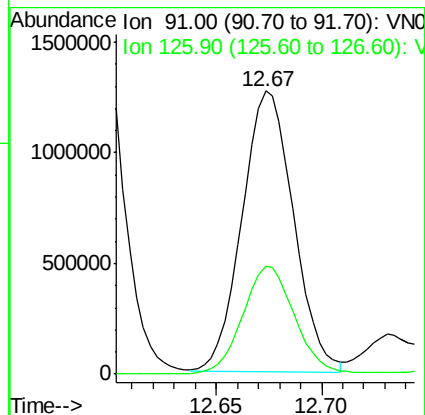
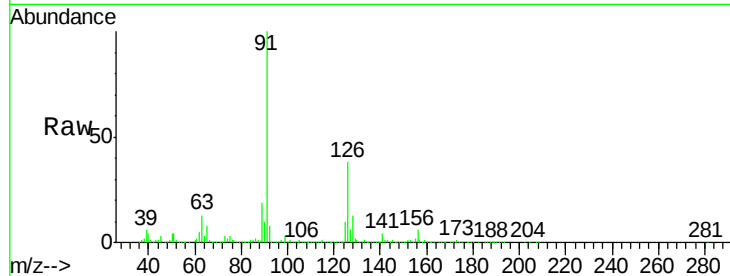
VSTDCCC050EC

Tot Ion: 91 Resp: 2155637

Ion Ratio Lower Upper

91 100

126 38.6 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 47.955 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054428.D

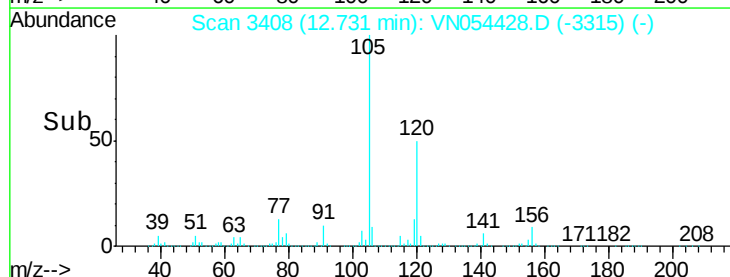
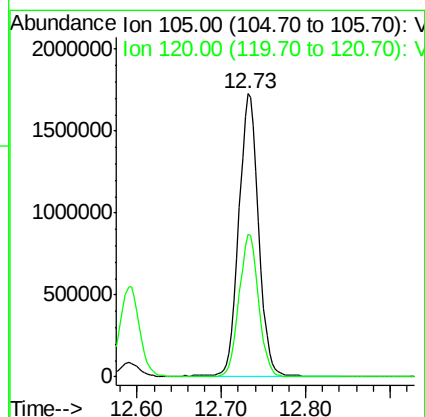
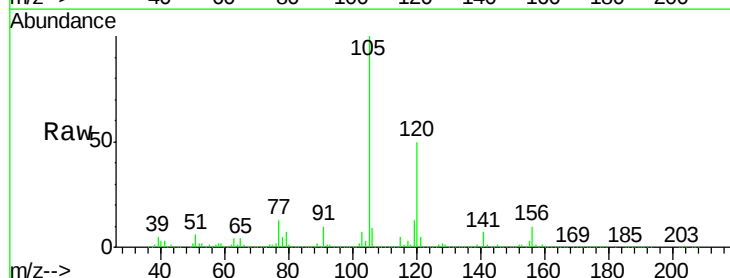
Acq: 19 Mar 2019 7:46

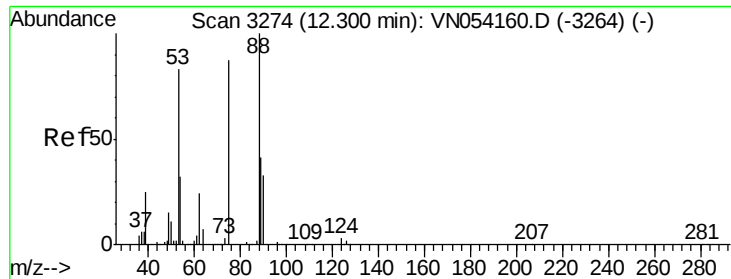
Tgt Ion: 105 Resp: 2829545

Ion Ratio Lower Upper

105 100

120 49.2 25.0 75.0

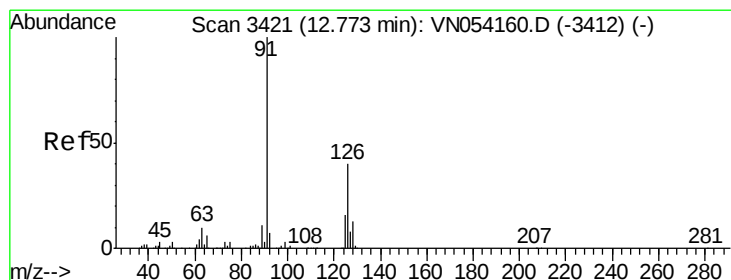
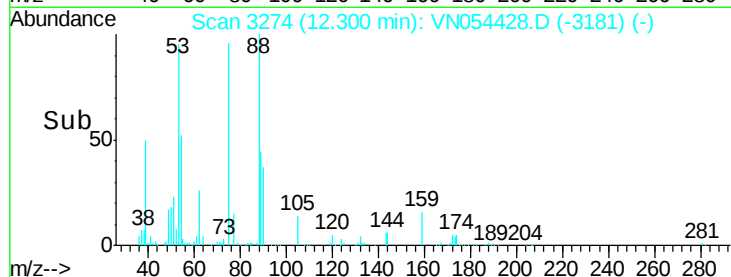
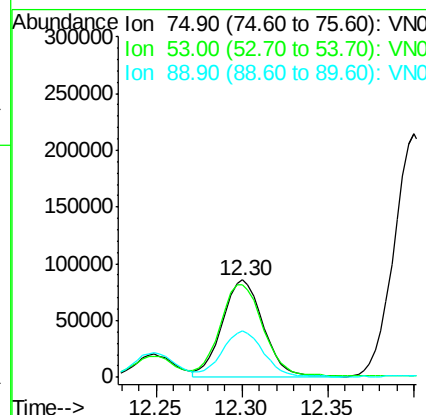
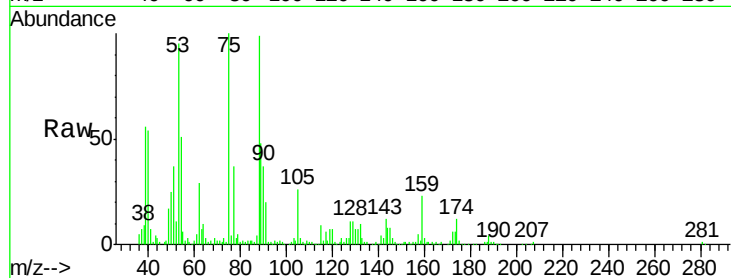




#81
trans-1,4-Dichloro-2-butene
Concen: 36.590 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

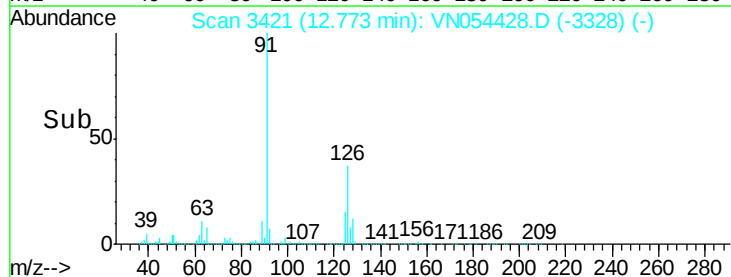
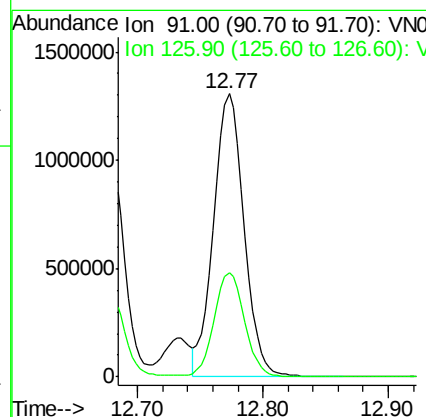
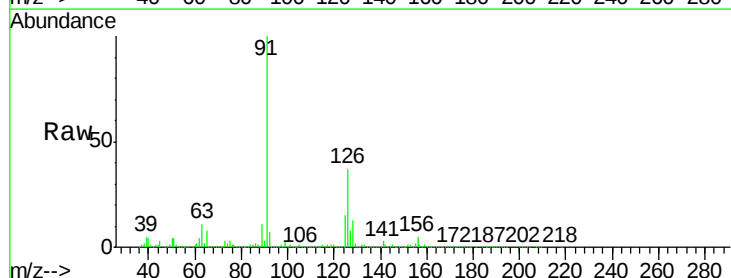
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

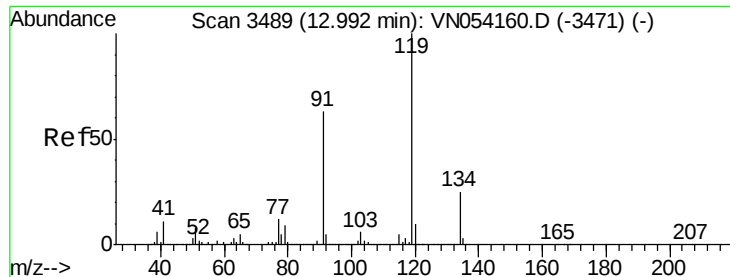
Tot Ion: 75 Resp: 139557
Ion Ratio Lower Upper
75 100
53 100.5 76.2 114.2
89 48.0 39.2 58.8



#82
4-Chlorotoluene
Concen: 47.492 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion: 91 Resp: 2194723
Ion Ratio Lower Upper
91 100
126 37.1 18.1 54.1

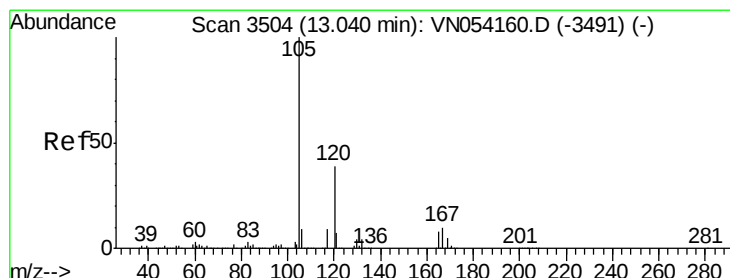
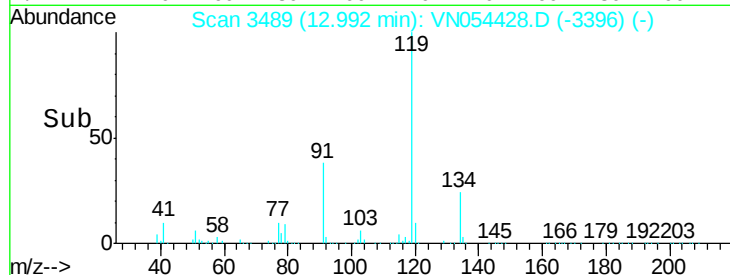
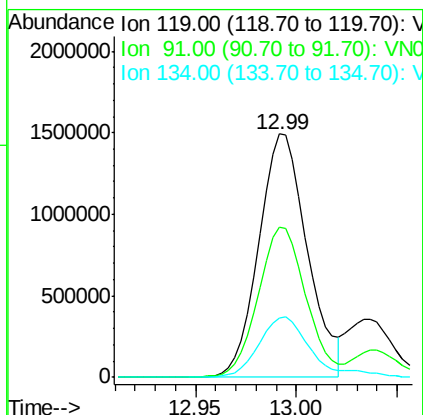
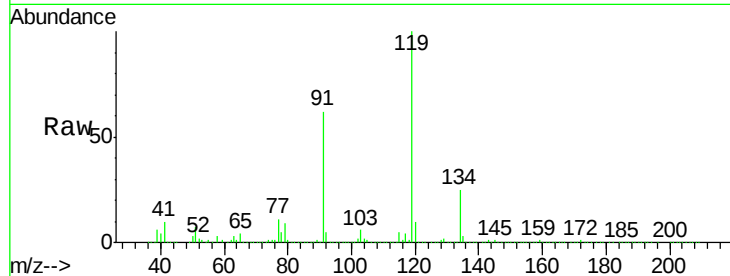




#83
tert-Butylbenzene
Concen: 45.979 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

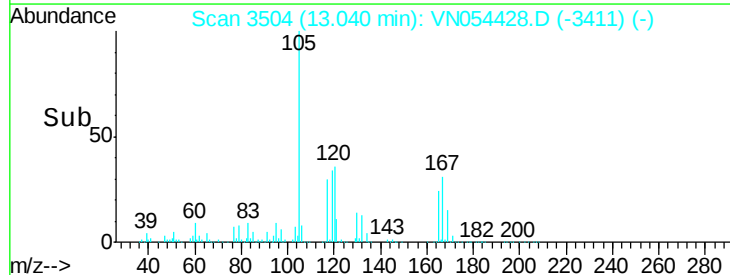
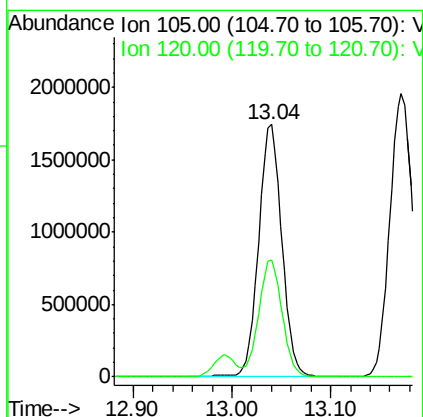
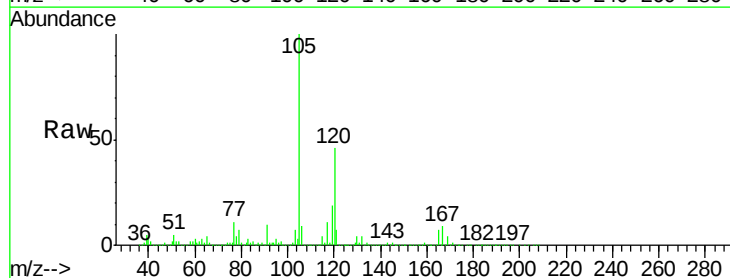
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

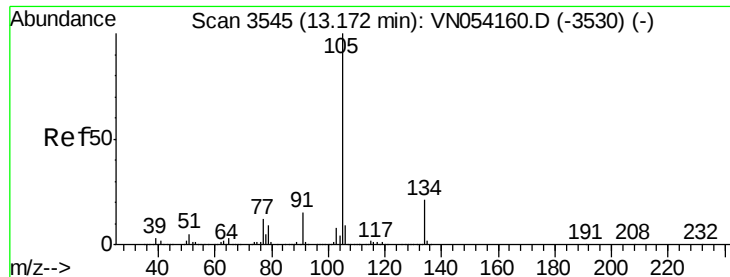
Tot Ion:119 Resp: 2497100
Ion Ratio Lower Upper
119 100
91 60.1 30.9 92.8
134 26.6 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 48.536 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054428.D
Acq: 19 Mar 2019 7:46

Tgt Ion:105 Resp: 2809540
Ion Ratio Lower Upper
105 100
120 46.6 23.4 70.3





#85

sec-Butylbenzene

Concen: 44.820 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

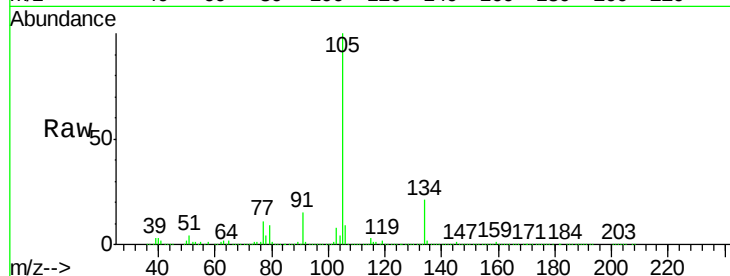
VSTDCCC050EC

Tot Ion:105 Resp: 3156741

Ion Ratio Lower Upper

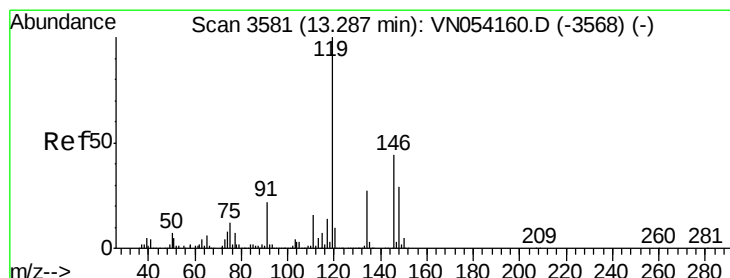
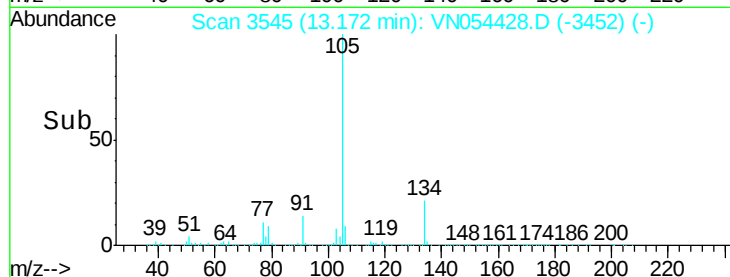
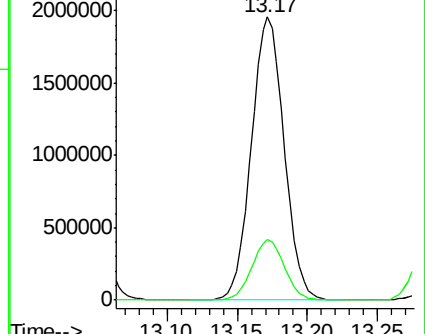
105 100

134 21.4 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.504 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

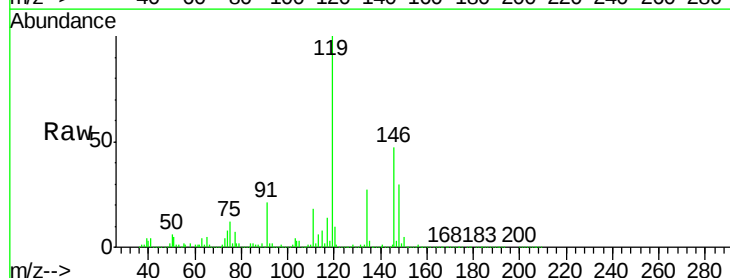
Tgt Ion:119 Resp: 2811737

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

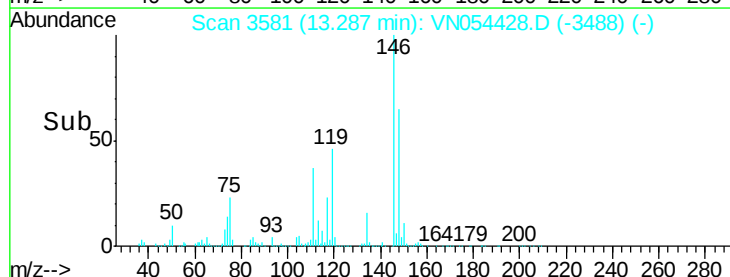
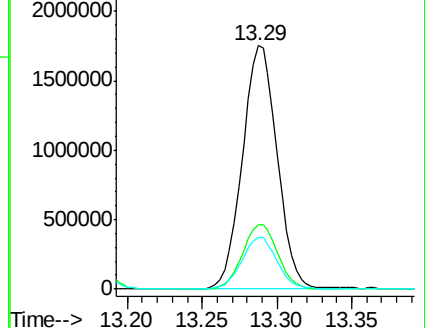
91 21.1 11.1 33.3

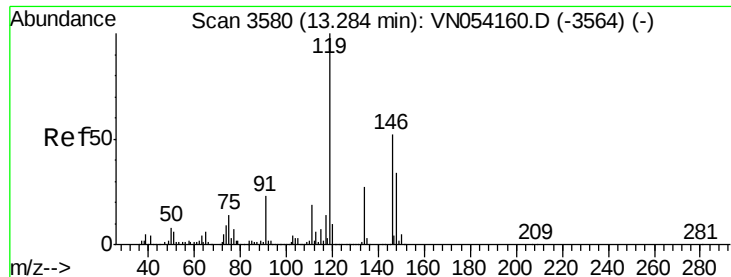


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.161 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

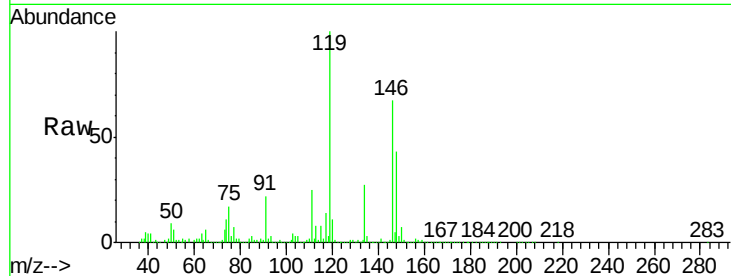
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 1523297

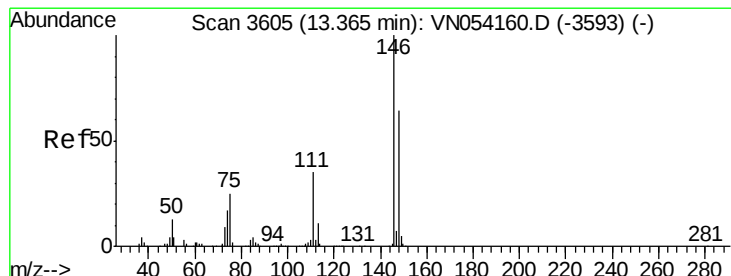
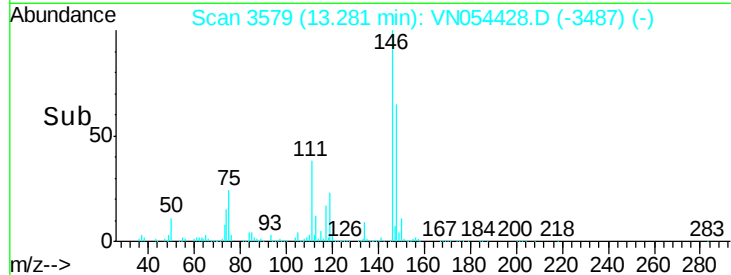
Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.3
148	64.6	32.2	96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.199 ug/l

RT: 13.36 min Scan# 3605

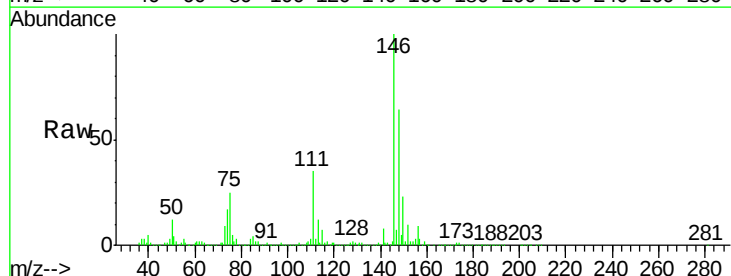
Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Tgt Ion:146 Resp: 1497628

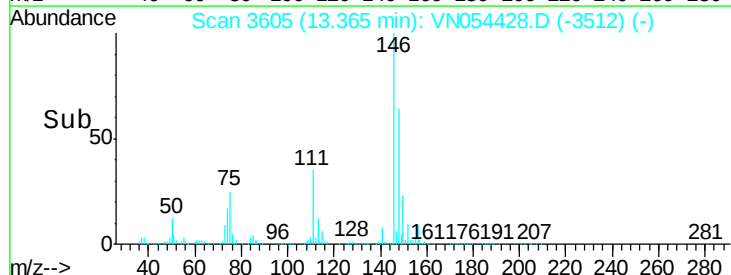
Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.1
148	64.8	32.0	96.0

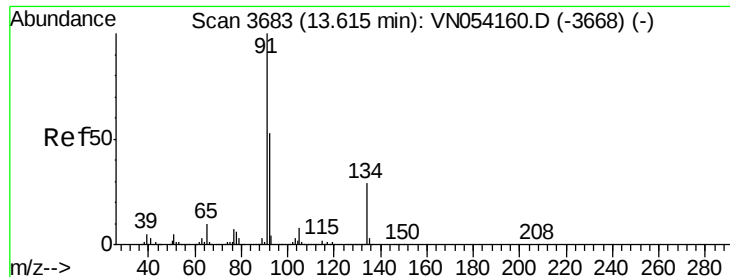


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 45.370 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

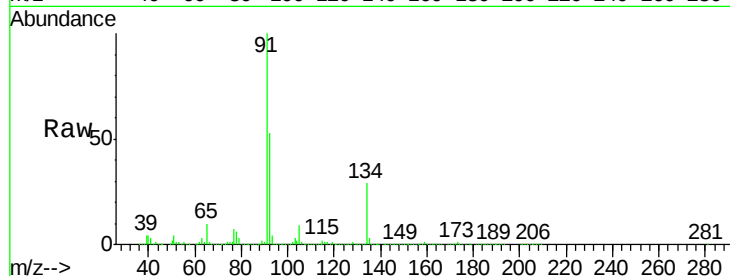
Tot Ion: 91 Resp: 2130078

Ion Ratio Lower Upper

91 100

92 52.5 26.2 78.6

134 29.2 14.3 42.9

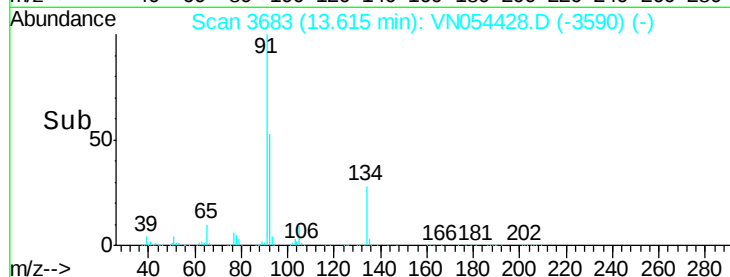


Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)

Time-->

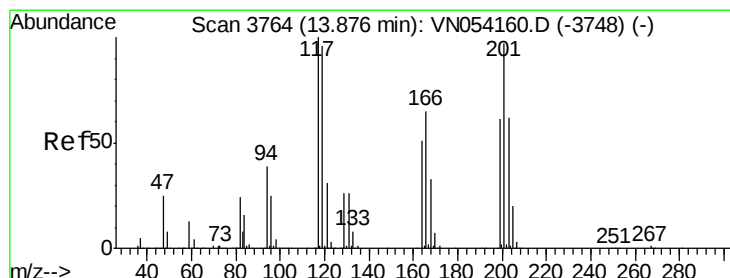


Abundance Ion 91.00 (90.70 to 91.70): VN054428.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN054428.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN054428.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 40.552 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054428.D

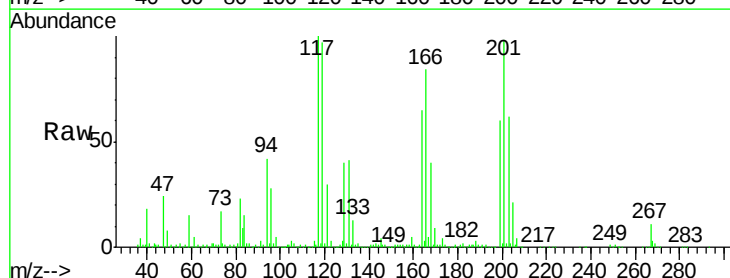
Acq: 19 Mar 2019 7:46

Tgt Ion: 117 Resp: 414906

Ion Ratio Lower Upper

117 100

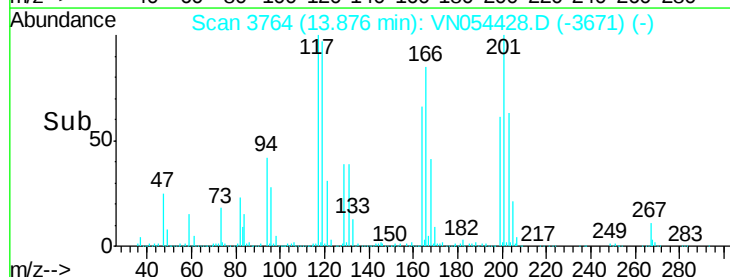
201 99.3 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)

Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN054428.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN054428.D (-3671) (-)

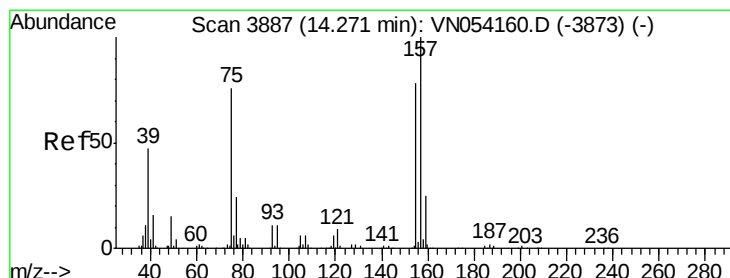
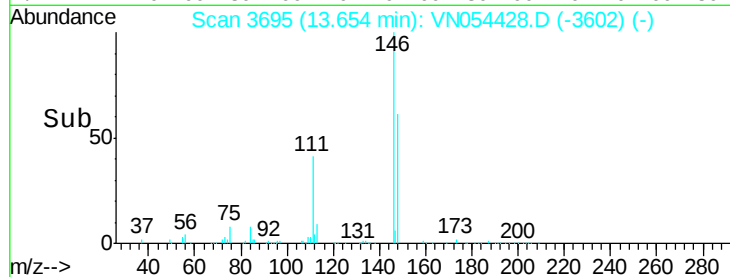
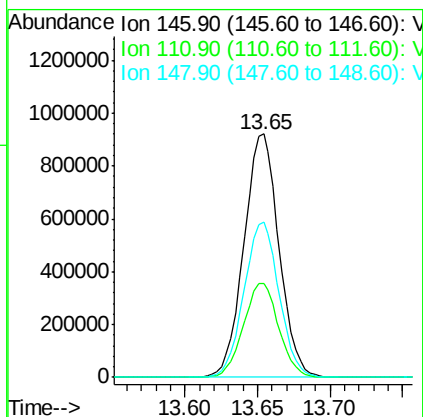
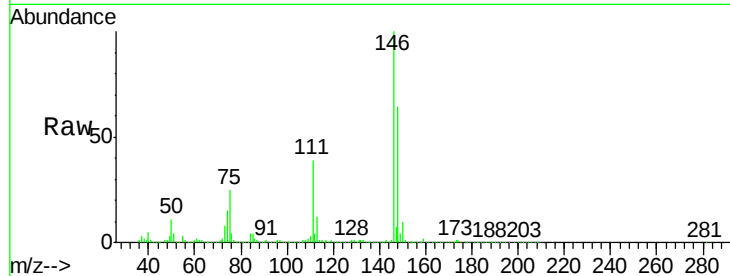
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 49.913 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054428.D
 Acq: 19 Mar 2019 7:46

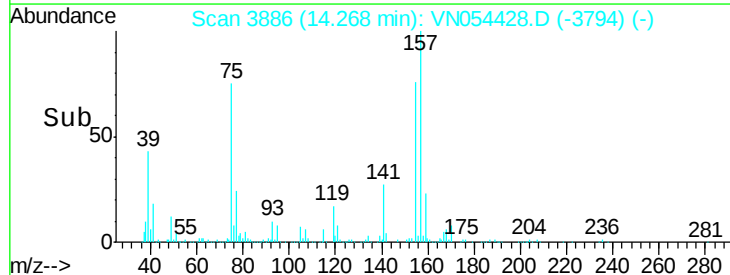
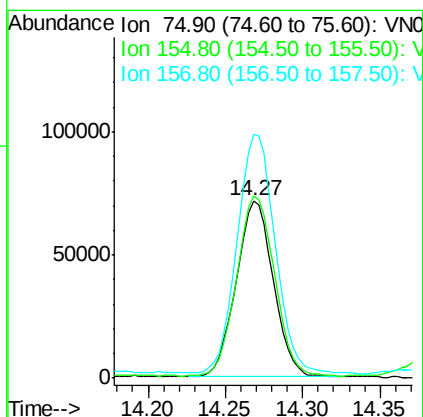
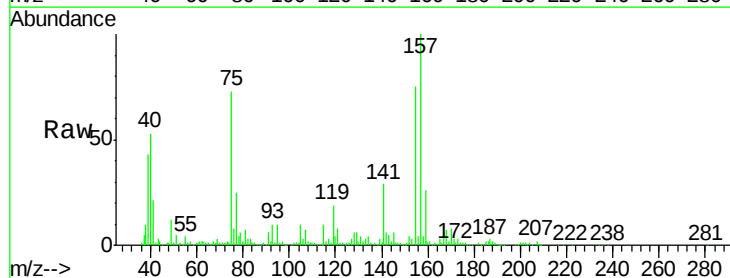
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

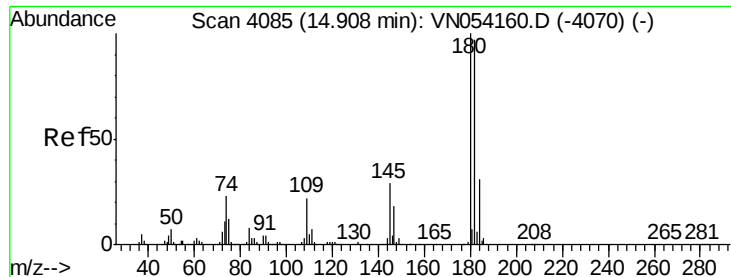
Tot Ion:146 Resp: 1543346
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.1 57.3
 148 64.1 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.809 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054428.D
 Acq: 19 Mar 2019 7:46

Tgt Ion: 75 Resp: 118827
 Ion Ratio Lower Upper
 75 100
 155 104.7 50.1 150.3
 157 138.7 63.1 189.3





#93

1,2,4-Trichlorobenzene

Concen: 47.872 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

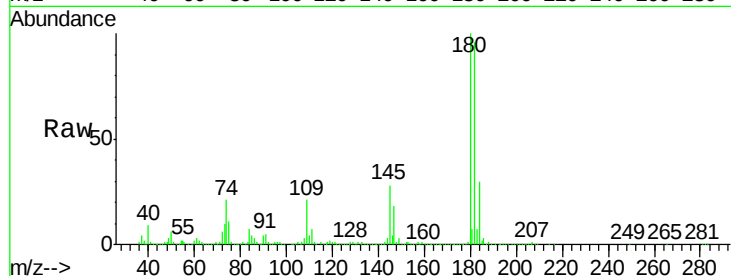
Tot Ion:180 Resp: 891561

Ion Ratio Lower Upper

180 100

182 95.9 48.0 144.2

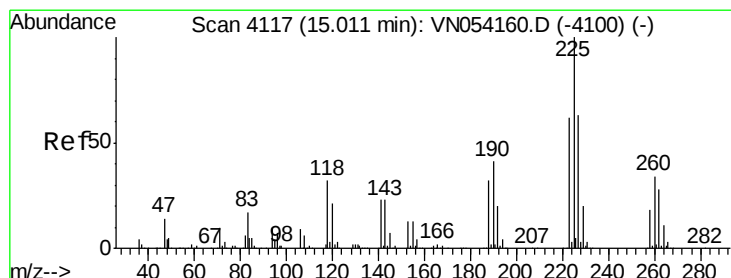
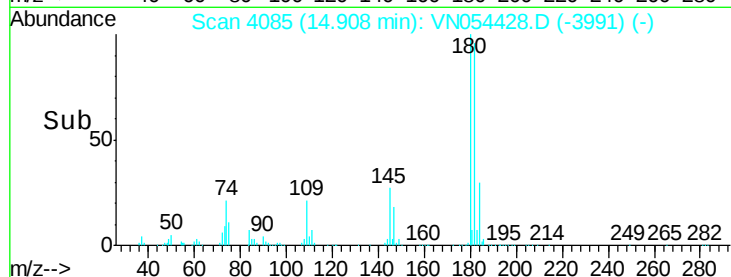
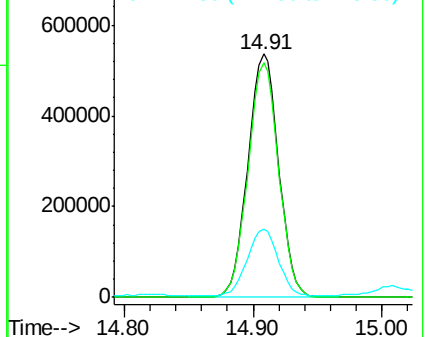
145 27.3 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 38.543 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

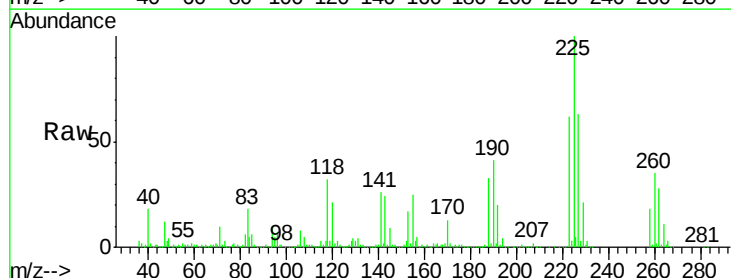
Tgt Ion:225 Resp: 453942

Ion Ratio Lower Upper

225 100

223 63.0 31.1 93.5

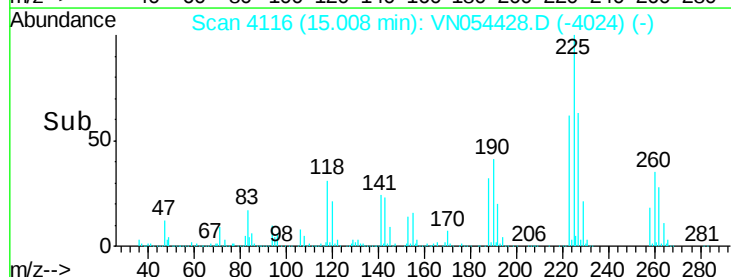
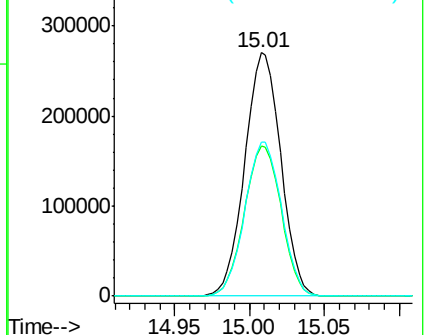
227 64.2 31.9 95.9

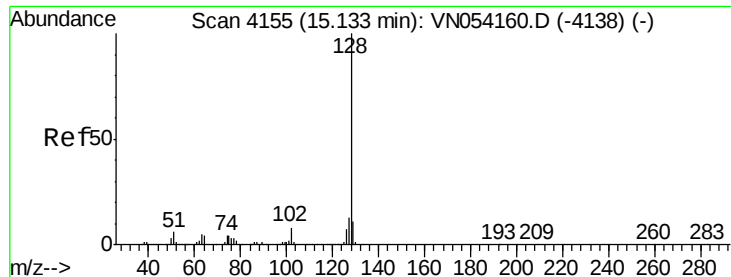


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 54.544 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Instrument :

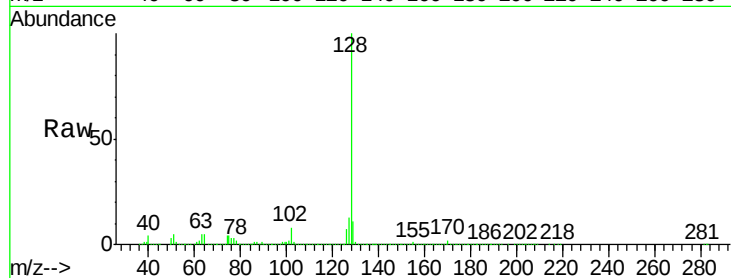
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 2134288

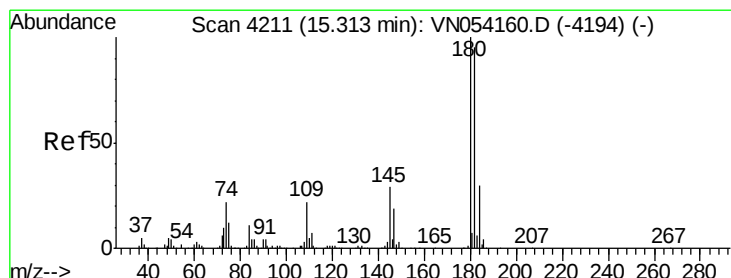
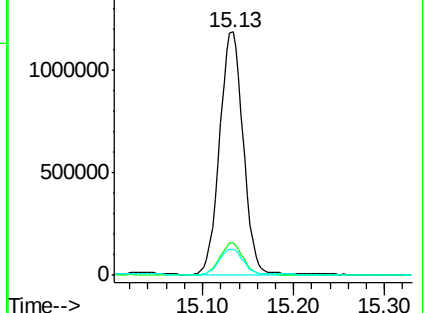
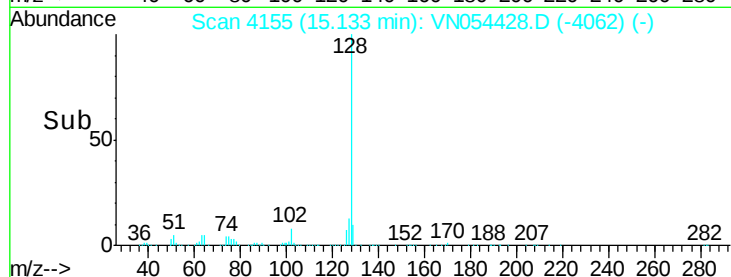
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.1	15.1
129	11.1	8.7	13.1



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: 53.660 ug/l

RT: 15.31 min Scan# 4211

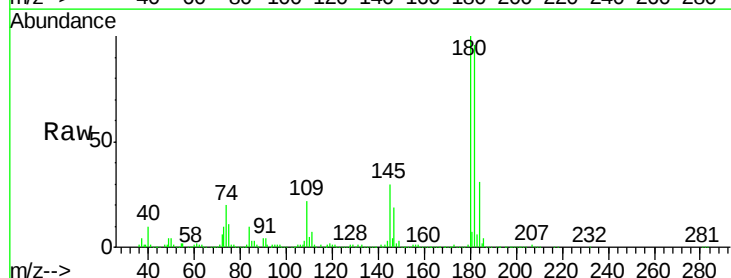
Delta R.T. 0.00 min

Lab File: VN054428.D

Acq: 19 Mar 2019 7:46

Tgt Ion:180 Resp: 881573

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.5	142.6
145	30.3	14.8	44.3



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

