

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054596.D
 Acq On : 23 Mar 2019 11:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 25 03:27:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	466335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	750640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	651694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	300906	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	296362	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
35) Dibromofluoromethane	7.59	113	234910	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	10.09	98	876017	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.40	95	305383	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	241900	54.262	ug/l	98
3) Chloromethane	2.06	50	319115	52.611	ug/l	96
4) Vinyl Chloride	2.19	62	284892	46.782	ug/l	99
5) Bromomethane	2.57	94	170018	43.176	ug/l	99
6) Chloroethane	2.71	64	162546	44.501	ug/l	99
7) Trichlorofluoromethane	3.02	101	360405	48.733	ug/l	98
8) Diethyl Ether	3.41	74	127355	44.776	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	203049	46.717	ug/l	93
10) Methyl Iodide	3.94	142	275331	43.064	ug/l #	90
11) Tert butyl alcohol	4.82	59	99364	282.949	ug/l	98
12) 1,1-Dichloroethene	3.73	96	190711	42.399	ug/l #	77
13) Acrolein	3.61	56	215795	445.285	ug/l	96
14) Allyl chloride	4.31	41	457139	53.972	ug/l #	92
15) Acrylonitrile	4.99	53	507202	290.027	ug/l	99
16) Acetone	3.82	43	465233	266.775	ug/l #	84
17) Carbon Disulfide	4.04	76	548720	45.530	ug/l	99
18) Methyl Acetate	4.33	43	227964	58.648	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	708207	53.950	ug/l	95
20) Methylene Chloride	4.55	84	266325	51.807	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	237211	51.647	ug/l	84
22) Diisopropyl ether	5.96	45	947175	56.694	ug/l #	93
23) Vinyl Acetate	5.90	43	3451061	292.475	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	485581	53.980	ug/l	97
25) 2-Butanone	6.85	43	688468	308.185	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	346042	53.964	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	283853	51.814	ug/l	87
28) Bromochloromethane	7.19	49	242976	54.875	ug/l #	72
29) Tetrahydrofuran	7.22	42	433087	298.745	ug/l #	84
30) Chloroform	7.37	83	470632	53.610	ug/l	99
31) Cyclohexane	7.65	56	465555	54.166	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	384910	53.145	ug/l	96
36) 1,1-Dichloropropene	7.79	75	359129	51.169	ug/l	96
37) Ethyl Acetate	6.94	43	289975	58.090	ug/l #	95
38) Carbon Tetrachloride	7.77	117	335444	49.182	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054596.D
 Acq On : 23 Mar 2019 11:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 25 03:27:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	415170	51.712	ug/l	89
40) Benzene	8.04	78	1037028	51.671	ug/l	99
41) Methacrylonitrile	7.18	41	154363	50.706	ug/l	91
42) 1,2-Dichloroethane	8.12	62	379694	51.949	ug/l	97
43) Isopropyl Acetate	8.17	43	483530	57.355	ug/l #	94
44) Trichloroethene	8.83	130	276471	49.548	ug/l	92
45) 1,2-Dichloropropane	9.12	63	295565	54.844	ug/l	98
46) Dibromomethane	9.21	93	169539	52.733	ug/l	90
47) Bromodichloromethane	9.40	83	350154	52.478	ug/l	98
48) Methyl methacrylate	9.20	41	253218	55.339	ug/l	87
49) 1,4-Dioxane	9.20	88	54611	1067.573	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1371954	293.641	ug/l	93
52) Toluene	10.16	92	630738	51.097	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	345880	49.179	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	416607	54.454	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	233608	52.648	ug/l	96
56) Ethyl methacrylate	10.43	69	335832	56.389	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	414957	53.798	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	630407	257.059	ug/l	89
59) 2-Hexanone	10.75	43	904383	296.341	ug/l	92
60) Dibromochloromethane	10.90	129	247686	52.458	ug/l	100
61) 1,2-Dibromoethane	11.00	107	229748	52.374	ug/l	99
64) Tetrachloroethene	10.63	164	263472	48.741	ug/l	95
65) Chlorobenzene	11.43	112	675805	50.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	245863	51.679	ug/l	98
67) Ethyl Benzene	11.51	91	1214292	51.863	ug/l	98
68) m/p-Xylenes	11.62	106	915705	103.254	ug/l	96
69) o-Xylene	11.95	106	441841	51.015	ug/l	97
70) Styrene	11.96	104	739847	52.603	ug/l	97
71) Bromoform	12.13	173	152029	46.513	ug/l	99
73) Isopropylbenzene	12.25	105	1174670	48.445	ug/l	98
74) N-amyl acetate	12.07	43	404702	58.046	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	292233	52.796	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	352840	73.894	ug/l #	100
77) Bromobenzene	12.53	156	288325	47.944	ug/l	84
78) n-propylbenzene	12.59	91	1324853	50.388	ug/l	97
79) 2-Chlorotoluene	12.67	91	787393	48.023	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	984699	49.550	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	63262	45.948	ug/l #	81
82) 4-Chlorotoluene	12.77	91	798015	50.211	ug/l	96
83) tert-Butylbenzene	12.99	119	850158	49.147	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	967877	49.635	ug/l	98
85) sec-Butylbenzene	13.17	105	1071771	49.702	ug/l	98
86) p-Isopropyltoluene	13.29	119	971174	50.340	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	497272	49.898	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	486303	50.154	ug/l	98
89) n-Butylbenzene	13.61	91	818900	54.285	ug/l	98
90) Hexachloroethane	13.88	117	149315	49.861	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	488668	50.625	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43789	53.936	ug/l	85

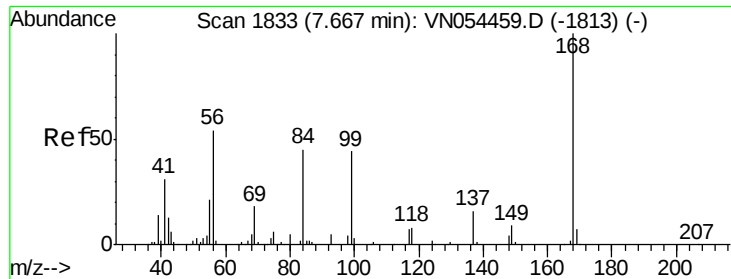
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
Data File : VN054596.D
Acq On : 23 Mar 2019 11:14
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Mar 25 03:27:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	262018	54.452	ug/l	99
94) Hexachlorobutadiene	15.01	225	162463	60.618	ug/l	100
95) Naphthalene	15.13	128	593810	55.324	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	256560	53.571	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

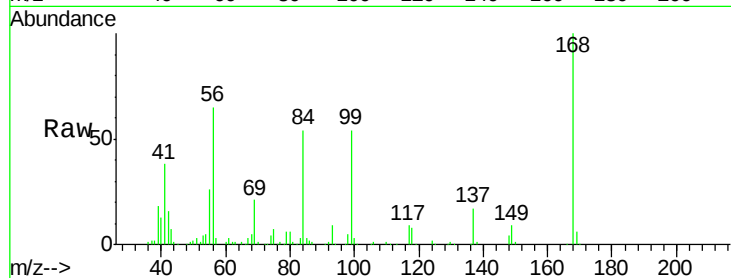
VSTDCCC050

Tot Ion:168 Resp: 466335

Ion Ratio Lower Upper

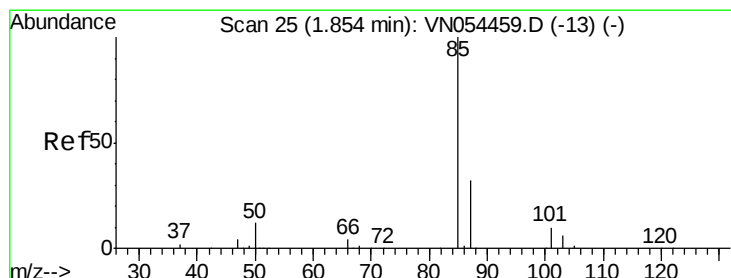
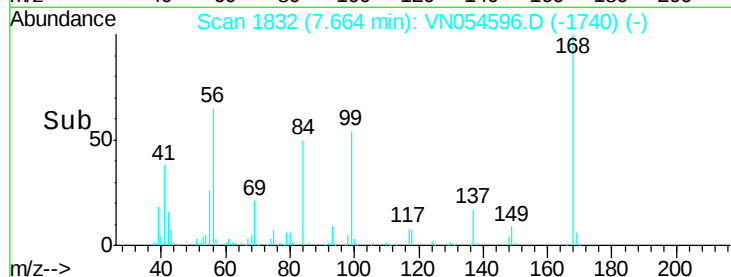
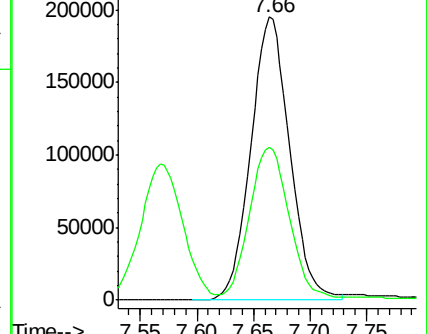
168 100

99 53.0 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: 54.262 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054596.D

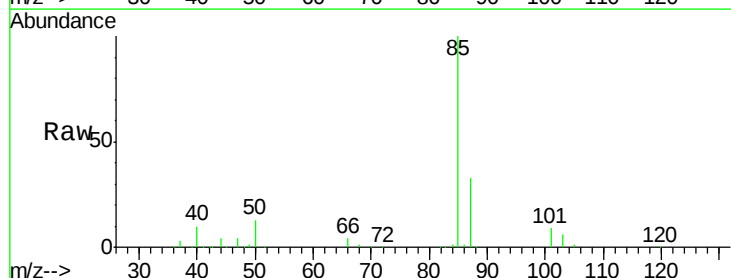
Acq: 23 Mar 2019 11:14

Tgt Ion: 85 Resp: 241900

Ion Ratio Lower Upper

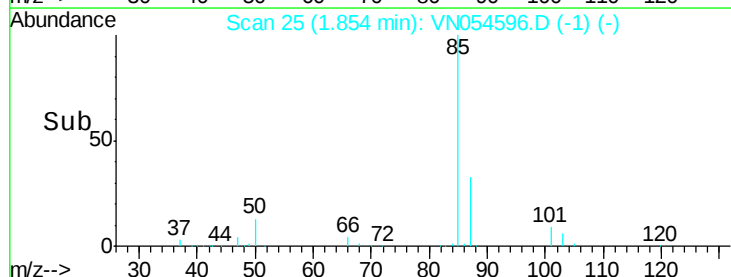
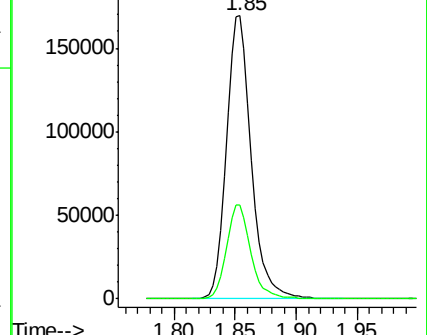
85 100

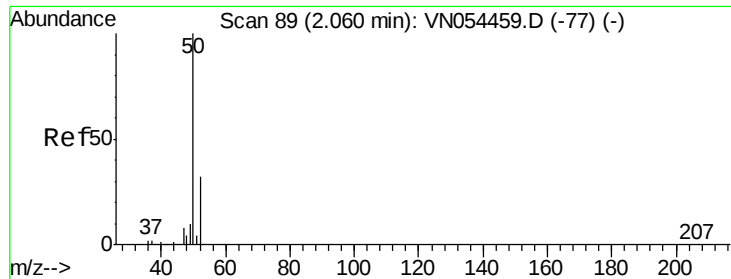
87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 52.611 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

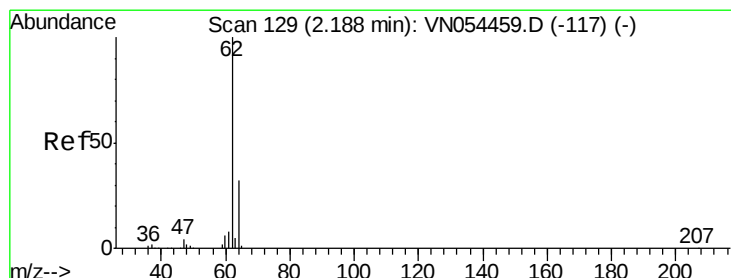
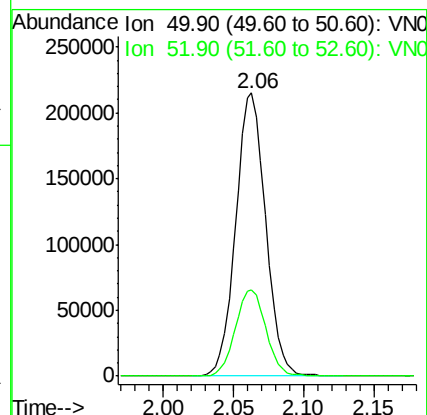
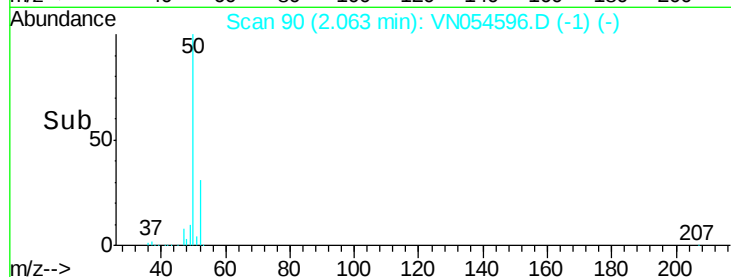
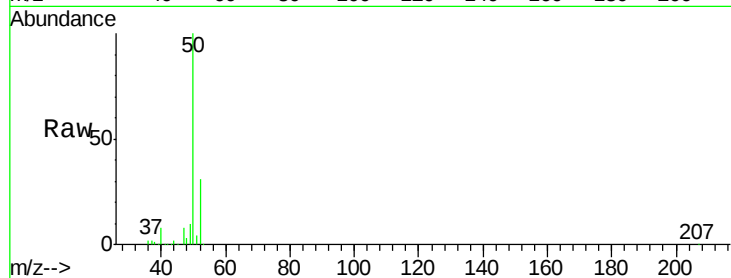
VSTDCCC050

Tot Ion: 50 Resp: 319115

Ion Ratio Lower Upper

50 100

52 30.6 26.4 39.6



#4

Vinyl Chloride

Concen: 46.782 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054596.D

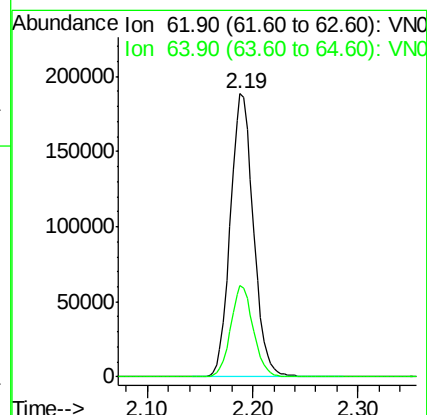
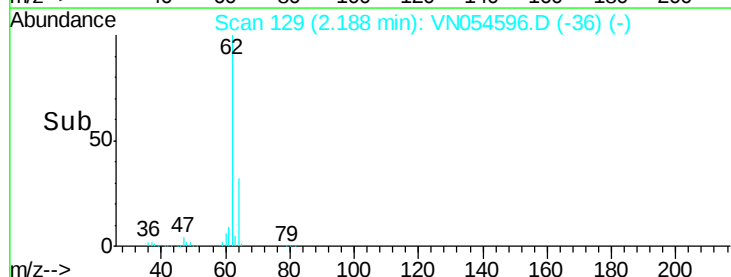
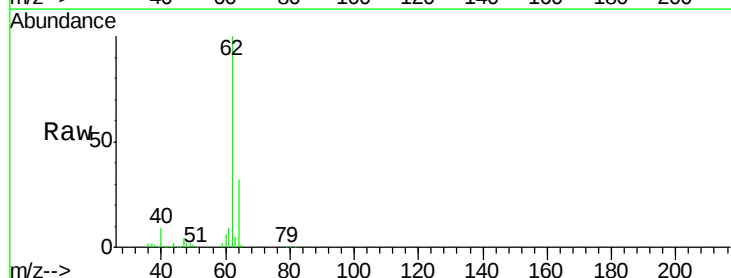
Acq: 23 Mar 2019 11:14

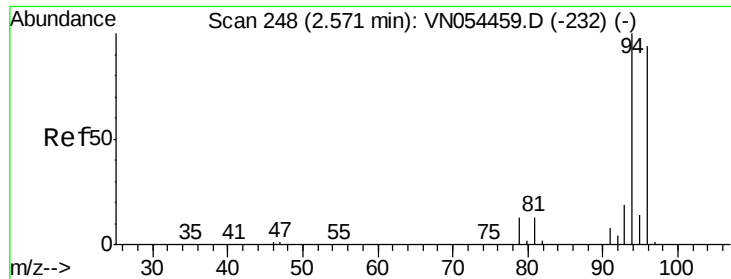
Tgt Ion: 62 Resp: 284892

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 43.176 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

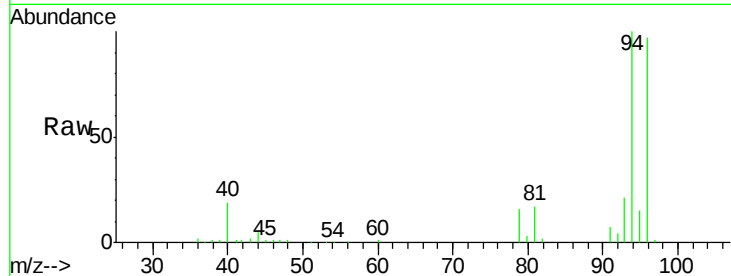
VSTDCCC050

Tot Ion: 94 Resp: 170018

Ion Ratio Lower Upper

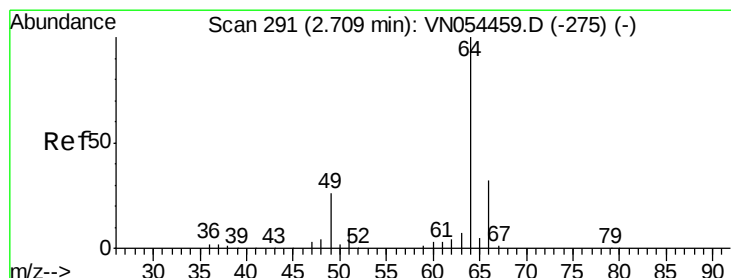
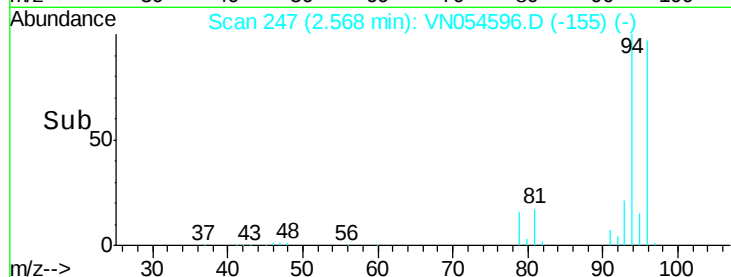
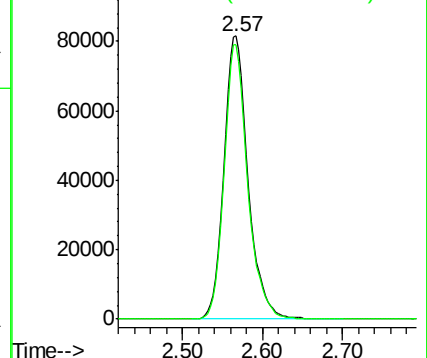
94 100

96 97.0 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.501 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054596.D

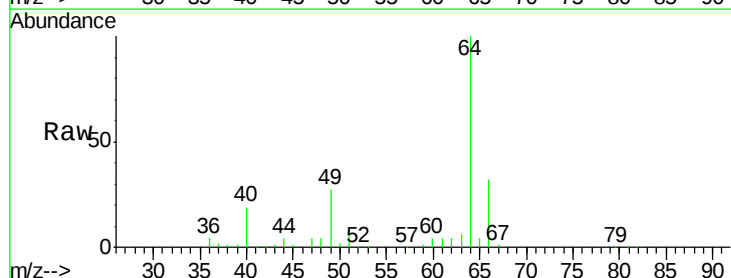
Acq: 23 Mar 2019 11:14

Tgt Ion: 64 Resp: 162546

Ion Ratio Lower Upper

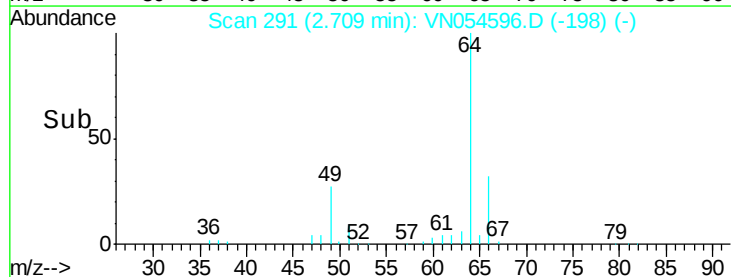
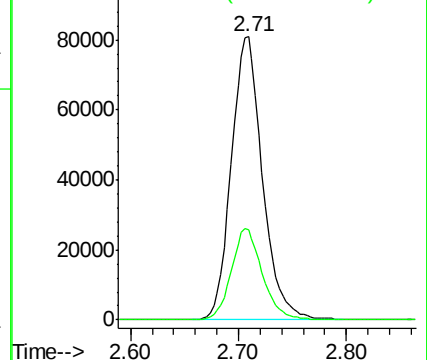
64 100

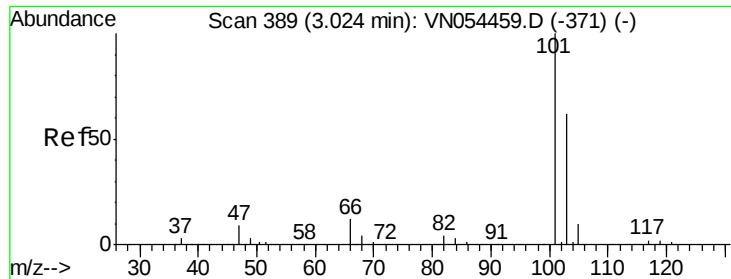
66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



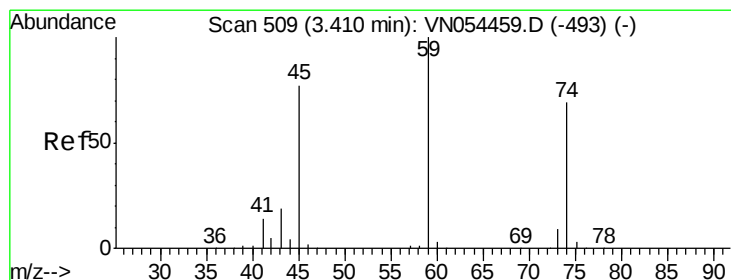
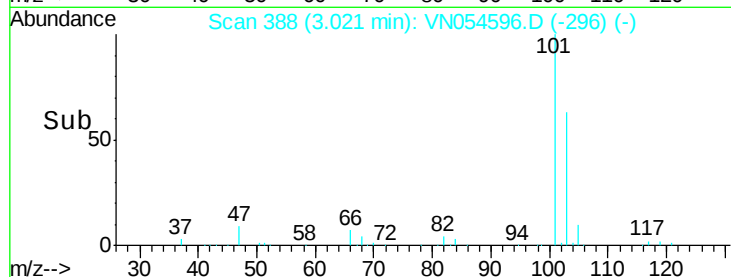
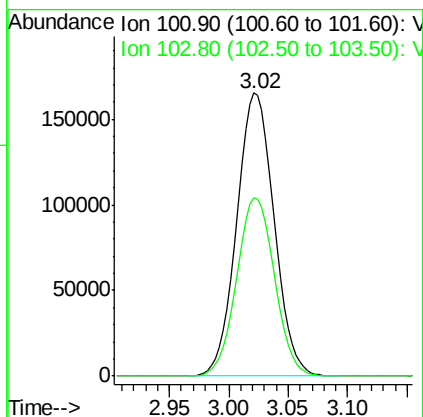
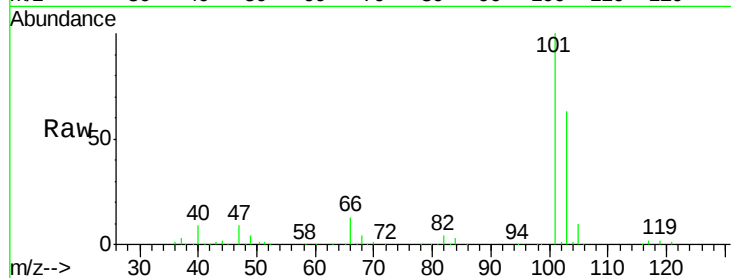


#7

Trichlorofluoromethane
Concen: 48.733 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

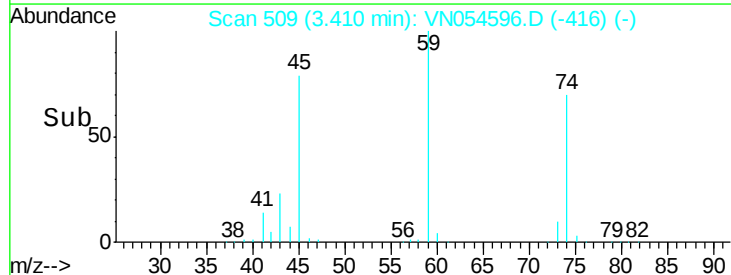
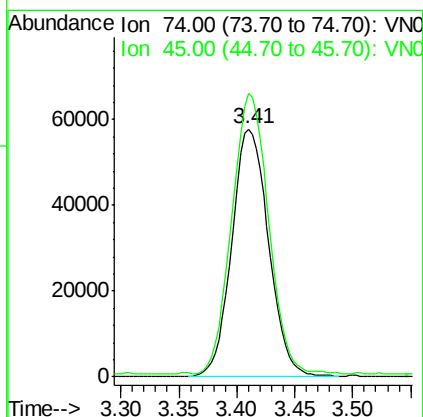
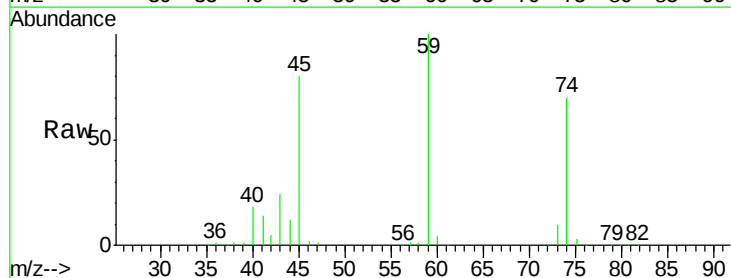
Tot Ion:101 Resp: 360405
Ion Ratio Lower Upper
101 100
103 63.1 51.4 77.2

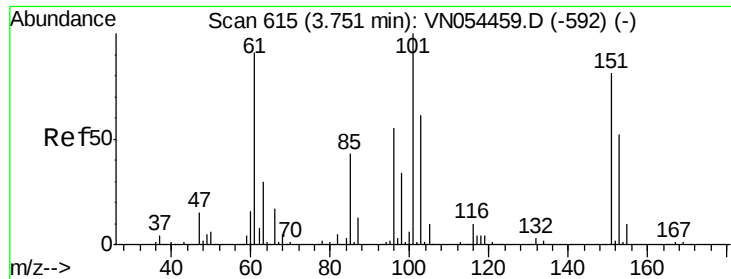


#8

Diethyl Ether
Concen: 44.776 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion: 74 Resp: 127355
Ion Ratio Lower Upper
74 100
45 112.5 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.717 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

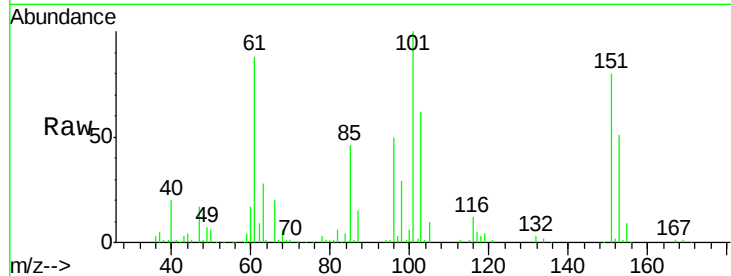
Tot Ion:101 Resp: 203049

Ion Ratio Lower Upper

101 100

85 45.0 32.4 48.6

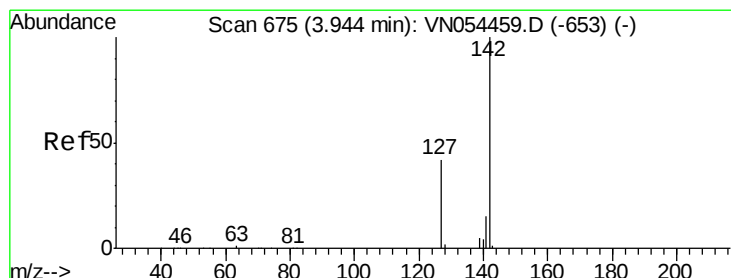
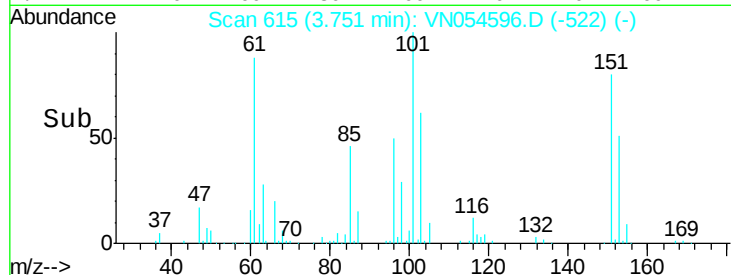
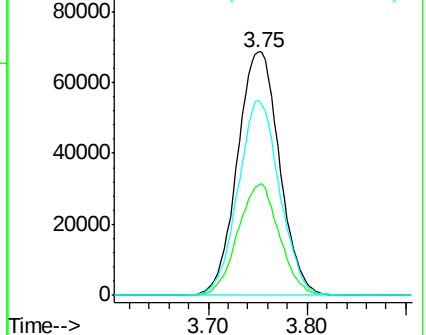
151 78.8 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.064 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

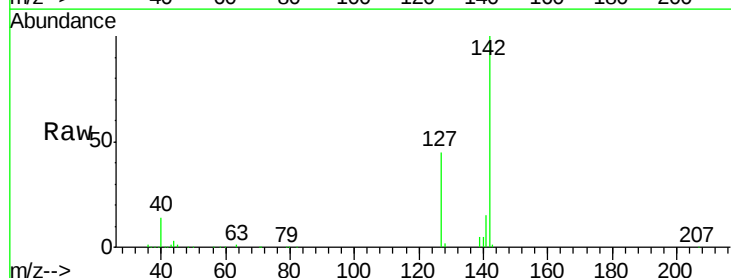
Tgt Ion:142 Resp: 275331

Ion Ratio Lower Upper

142 100

127 45.7 30.3 45.5#

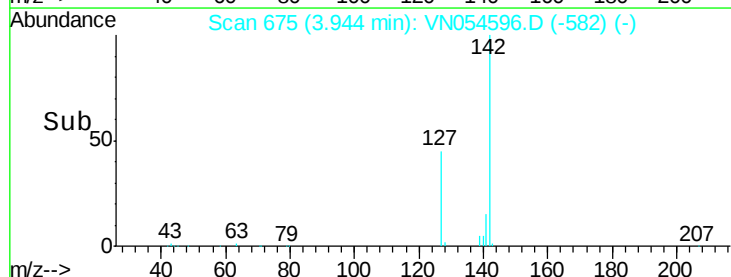
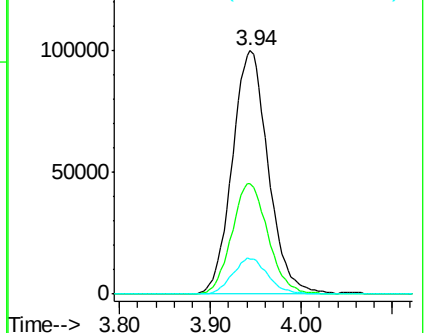
141 14.5 11.2 16.8

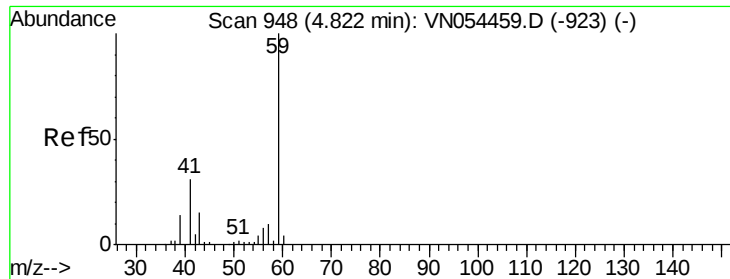


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



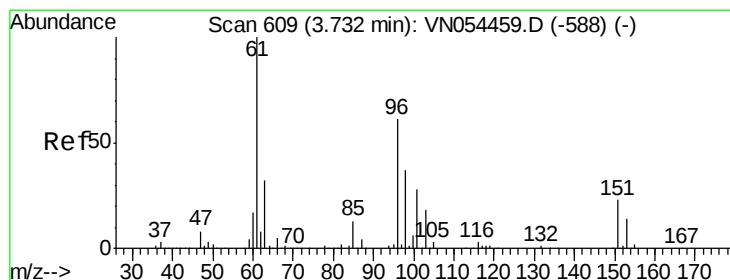
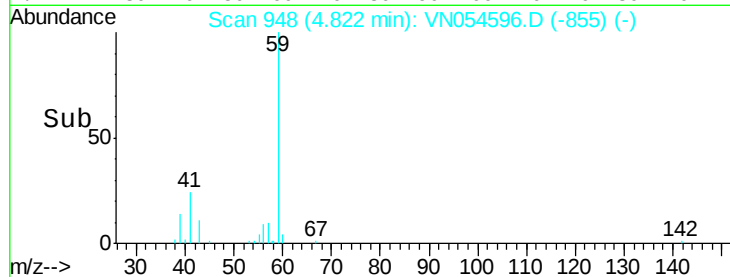
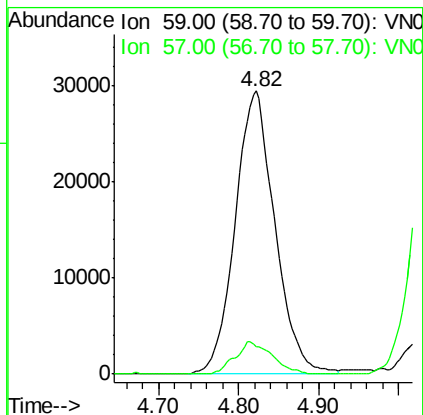
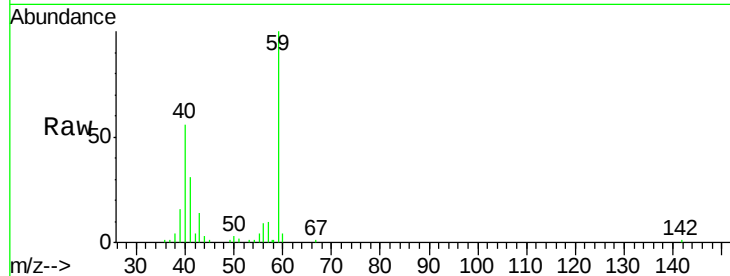


#11

Tert butyl alcohol
 Concen: 282.949 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

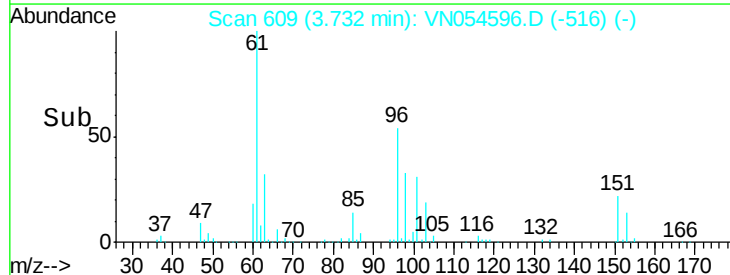
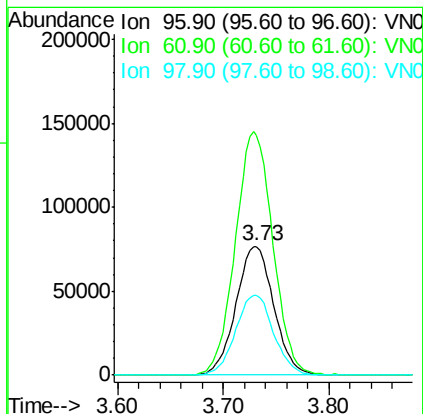
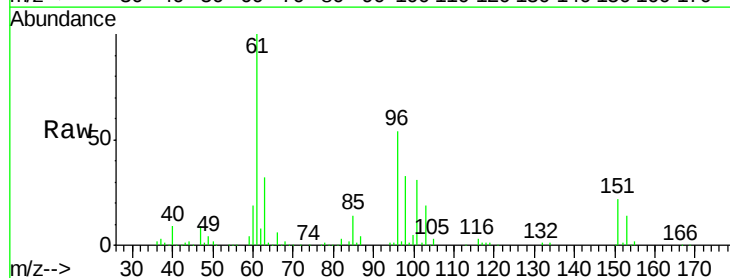
Tot Ion: 59 Resp: 99364
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.0 13.6

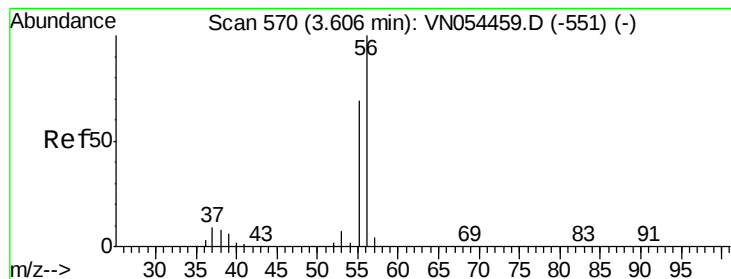


#12

1,1-Dichloroethene
 Concen: 42.399 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Tgt Ion: 96 Resp: 190711
 Ion Ratio Lower Upper
 96 100
 61 185.9 116.5 174.7#
 98 62.1 51.0 76.4





#13

Acrolein

Concen: 445.285 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

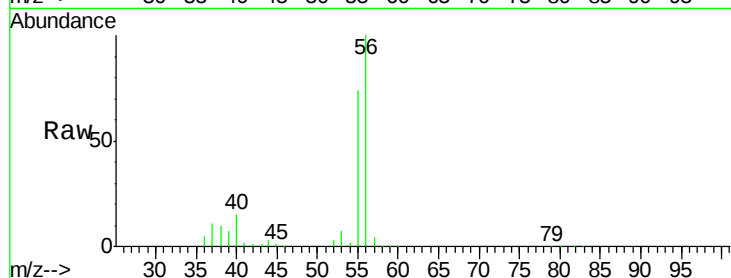
VSTDCCC050

Tot Ion: 56 Resp: 215795

Ion Ratio Lower Upper

56 100

55 73.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

100000

80000

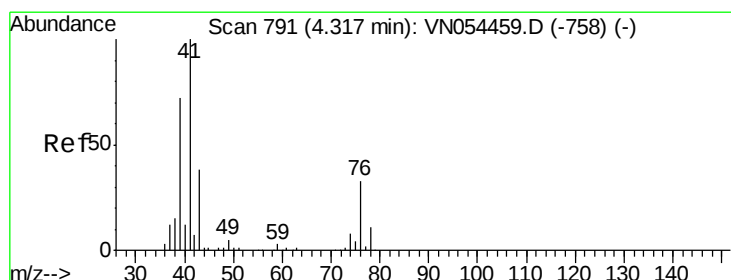
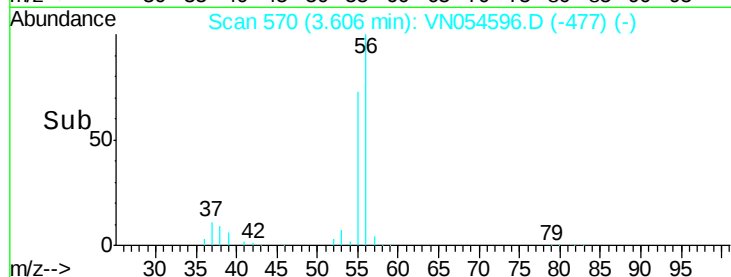
60000

40000

20000

0

Time--> 3.50 3.60 3.70



#14

Allyl chloride

Concen: 53.972 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

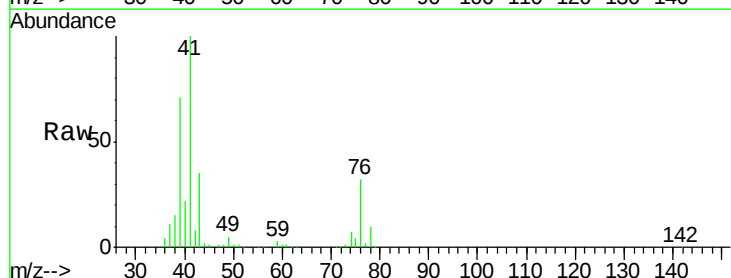
Tgt Ion: 41 Resp: 457139

Ion Ratio Lower Upper

41 100

39 69.2 58.2 87.4

76 29.9 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

4.31

200000

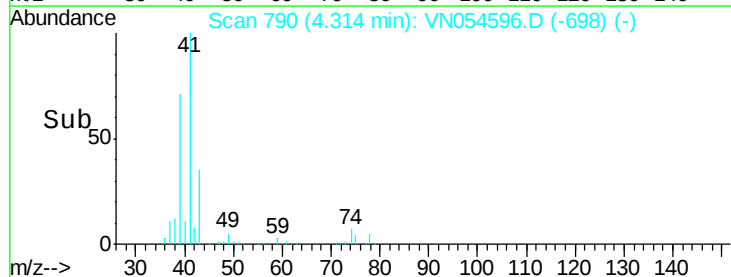
150000

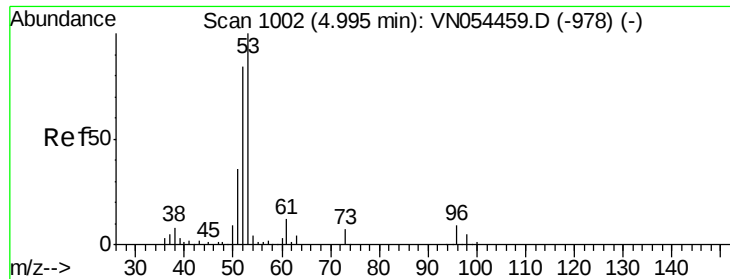
100000

50000

0

Time--> 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 290.027 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

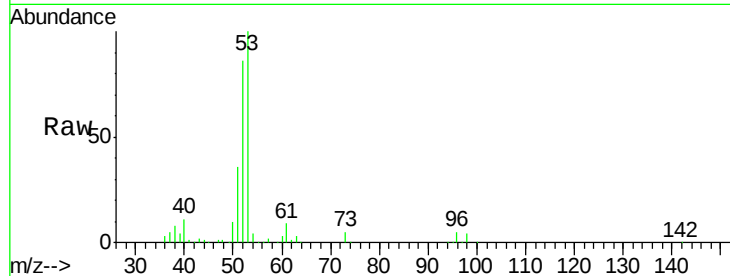
Tot Ion: 53 Resp: 507202

Ion Ratio Lower Upper

53 100

52 84.0 66.4 99.6

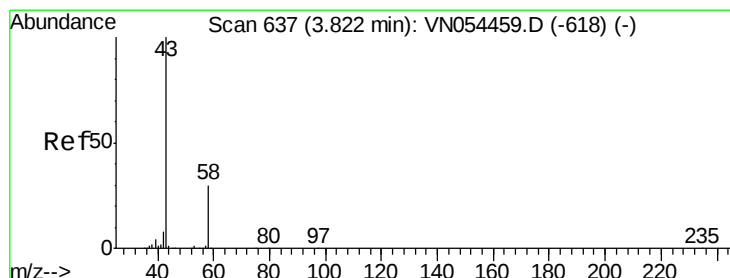
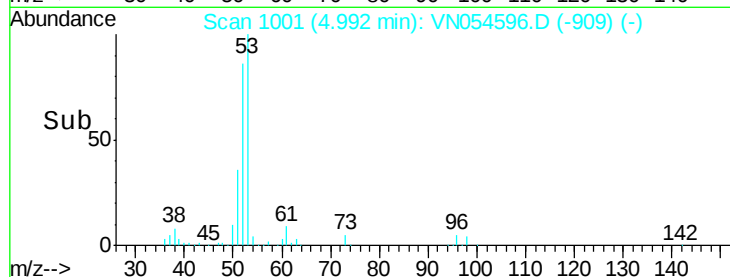
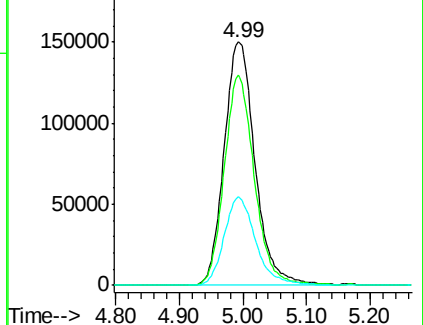
51 37.1 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 266.775 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054596.D

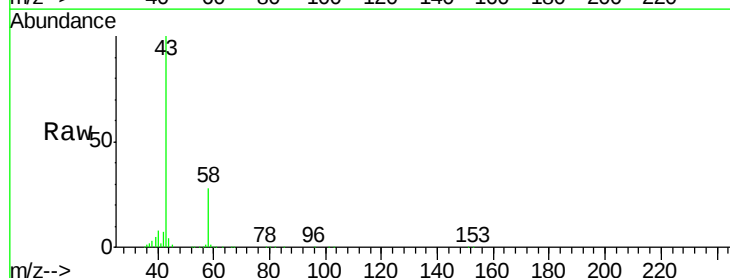
Acq: 23 Mar 2019 11:14

Tgt Ion: 43 Resp: 465233

Ion Ratio Lower Upper

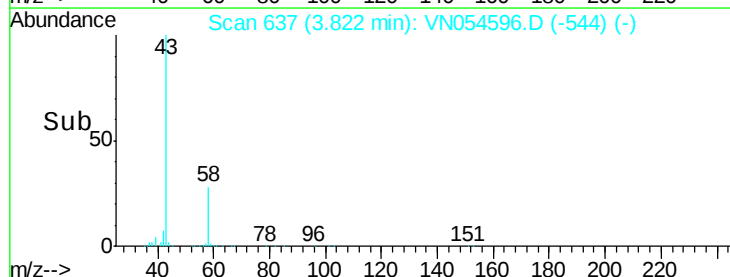
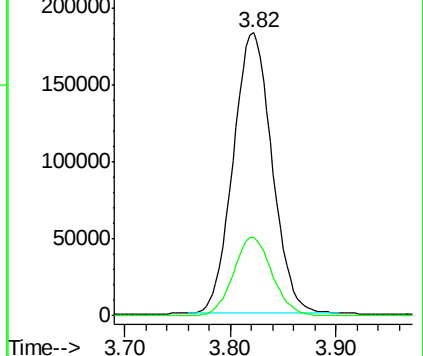
43 100

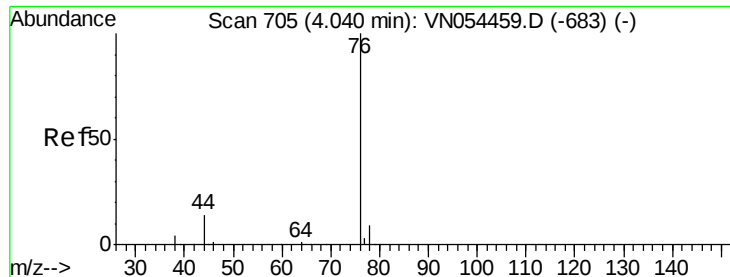
58 27.7 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 45.530 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

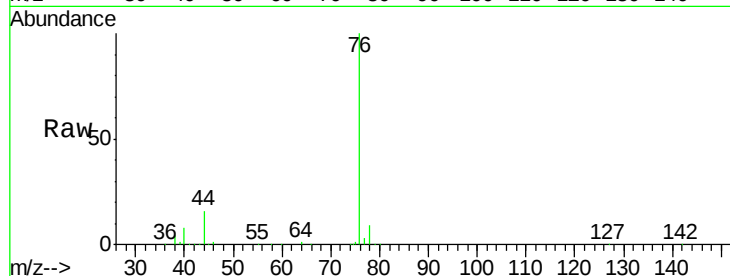
VSTDCCC050

Tot Ion: 76 Resp: 548720

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN054596.D (-612) (-)

Ion 77.90 (77.60 to 78.60): VN054596.D (-612) (-)

4.04

200000

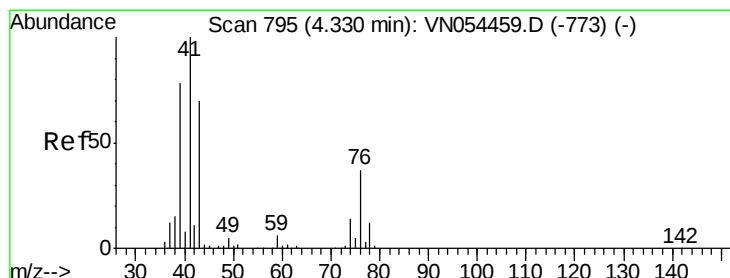
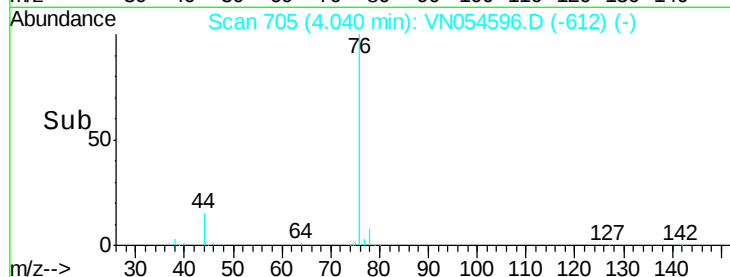
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 58.648 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054596.D

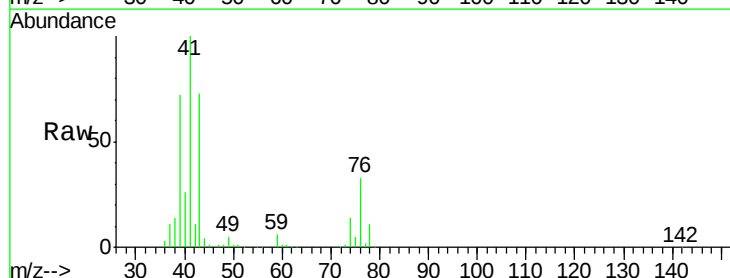
Acq: 23 Mar 2019 11:14

Tgt Ion: 43 Resp: 227964

Ion Ratio Lower Upper

43 100

74 20.1 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN054596.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN054596.D (-702) (-)

4.33

80000

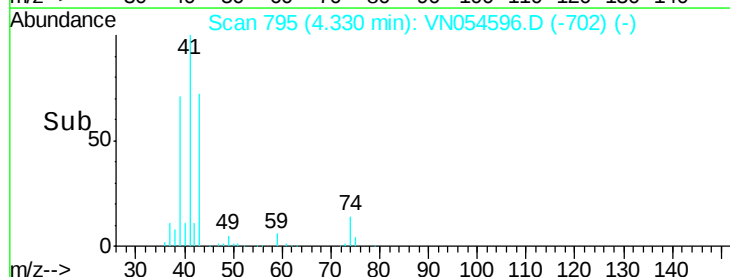
60000

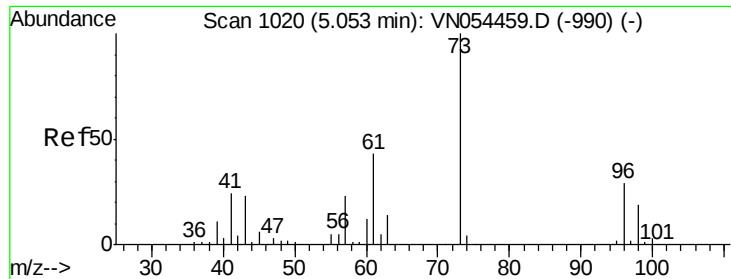
40000

20000

0

Time-->

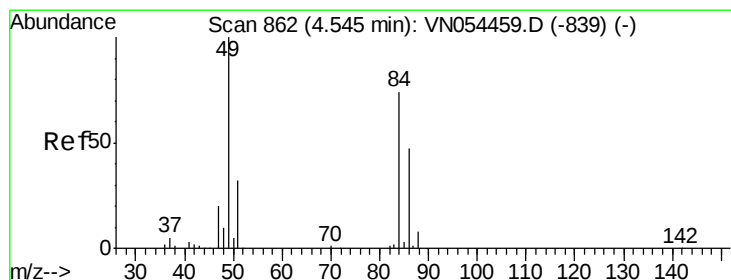
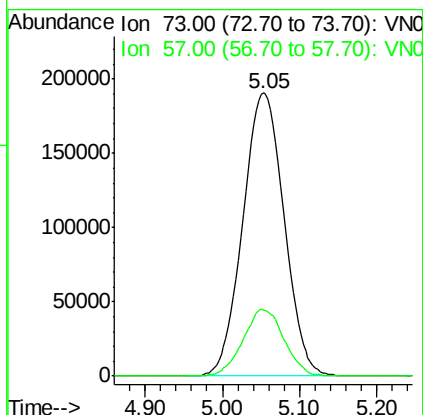
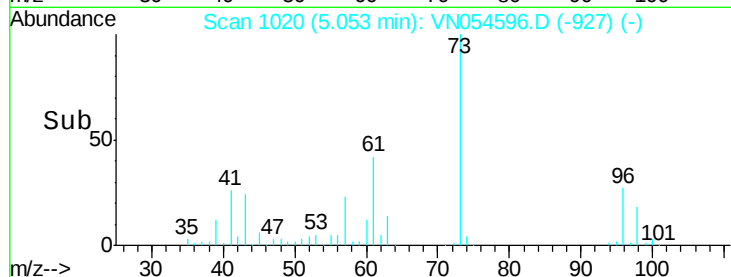
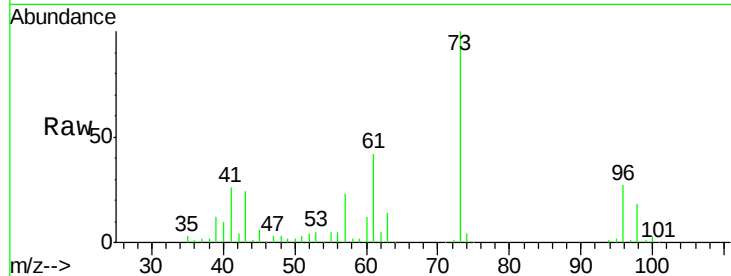




#19
Methvl tert-butvl Ether
Concen: 53.950 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

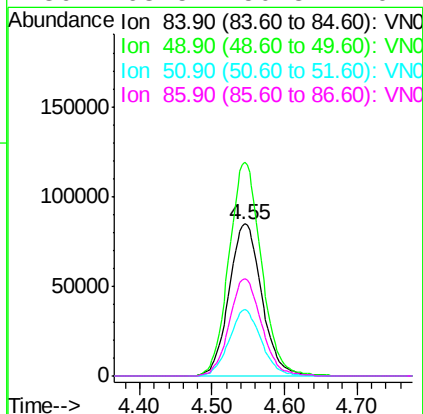
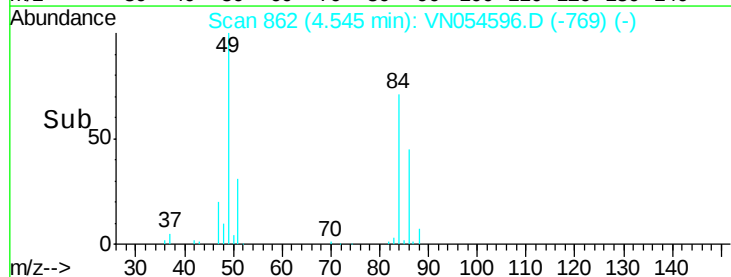
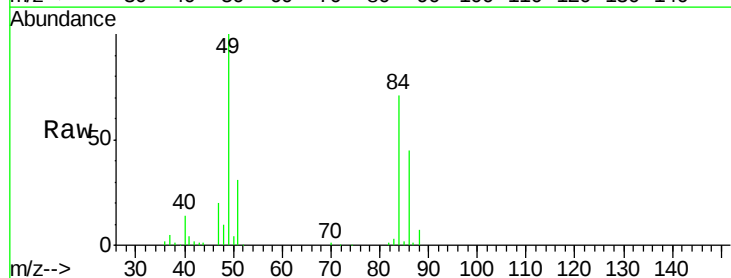
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

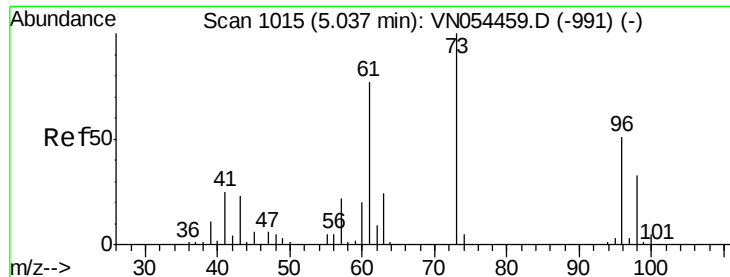
Tot Ion: 73 Resp: 708207
Ion Ratio Lower Upper
73 100
57 23.4 16.8 25.2



#20
Methylene Chloride
Concen: 51.807 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion: 84 Resp: 266325
Ion Ratio Lower Upper
84 100
49 140.3 89.7 134.5#
51 43.6 28.2 42.4#
86 63.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 51.647 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

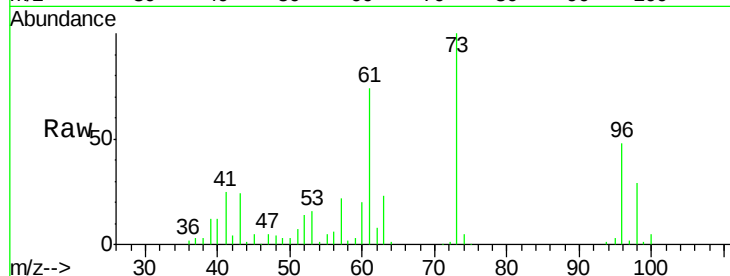
Tot Ion: 96 Resp: 237211

Ion Ratio Lower Upper

96 100

61 154.0 102.8 154.2

98 60.7 50.0 75.0

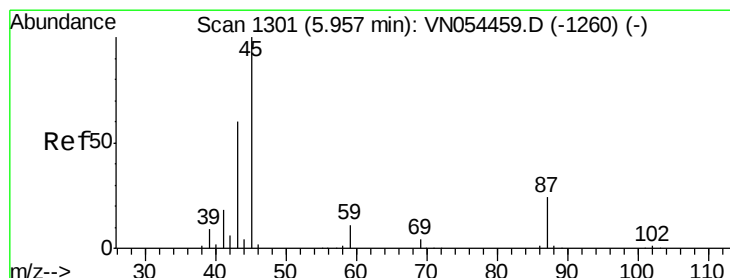
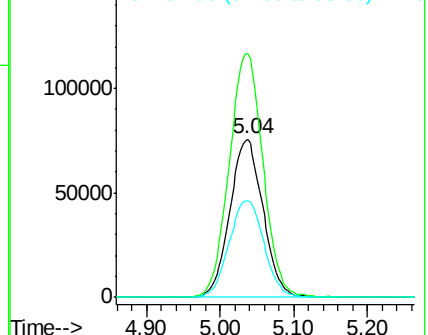
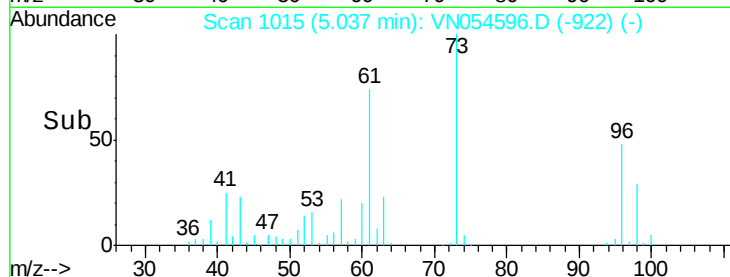


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 56.694 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Tgt Ion: 45 Resp: 947175

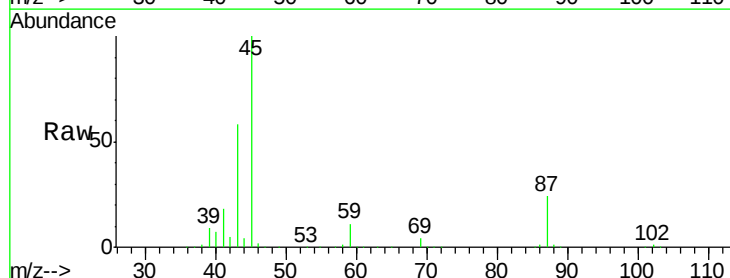
Ion Ratio Lower Upper

45 100

43 57.0 48.2 72.2

87 23.6 24.9 37.3#

59 11.0 9.5 14.3



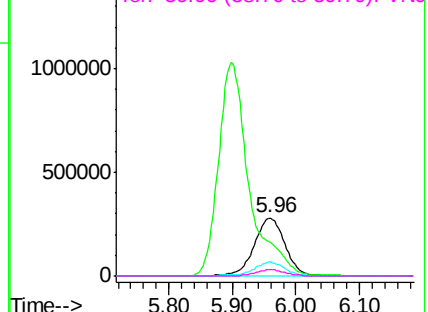
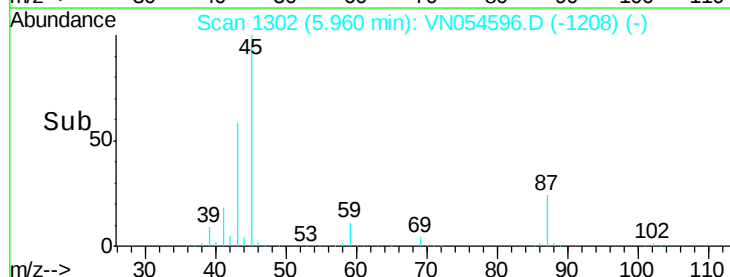
Abundance

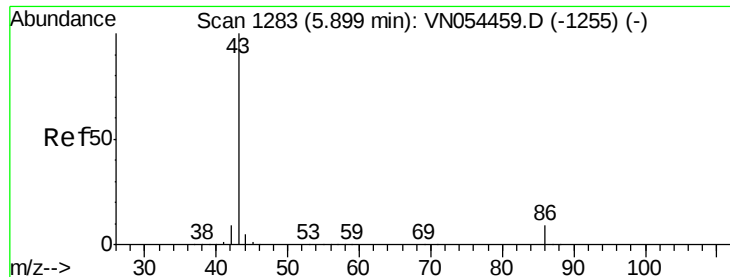
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 292.475 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

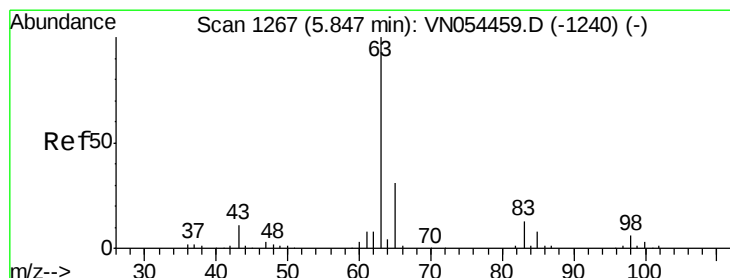
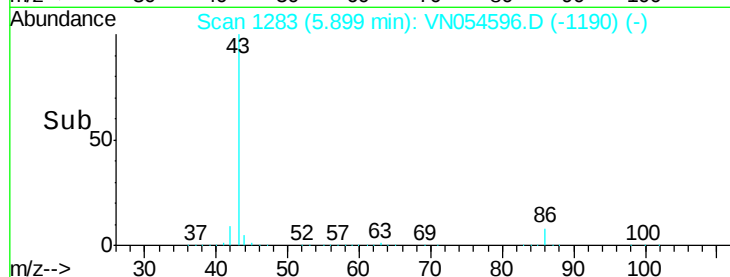
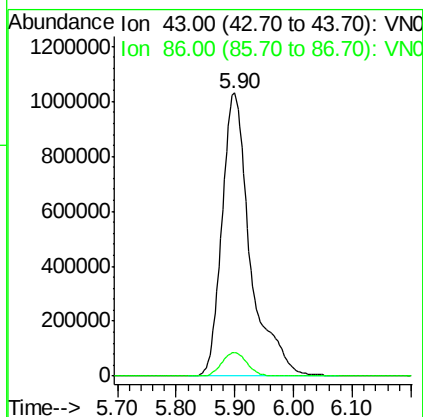
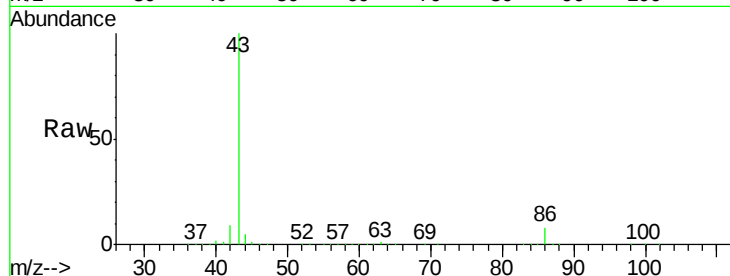
VSTDCCC050

Tot Ion: 43 Resp: 3451061

Ion Ratio Lower Upper

43 100

86 8.4 9.1 13.7#



#24

1,1-Dichloroethane

Concen: 53.980 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

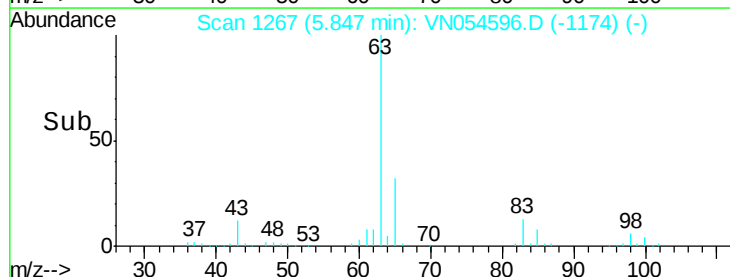
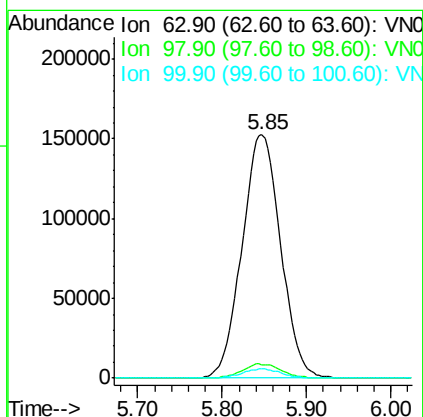
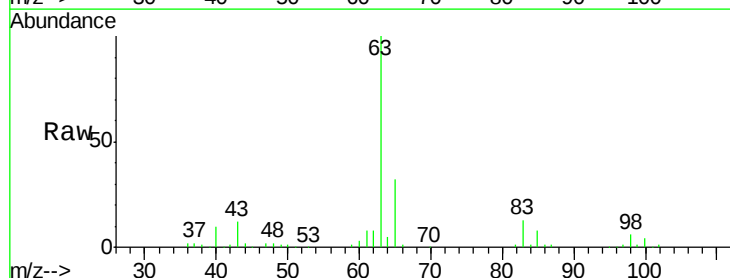
Tgt Ion: 63 Resp: 485581

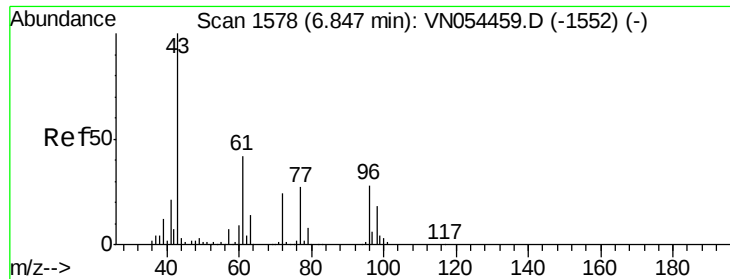
Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.5

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 308.185 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

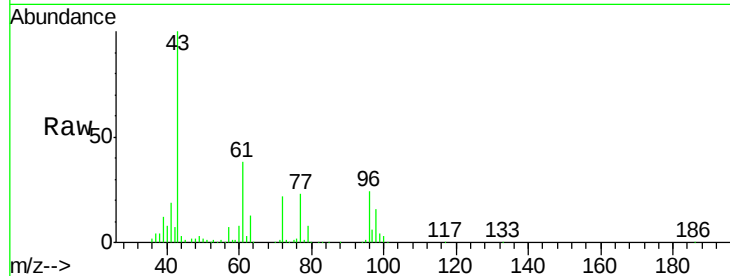
VSTDCCC050

Tot Ion: 43 Resp: 688468

Ion Ratio Lower Upper

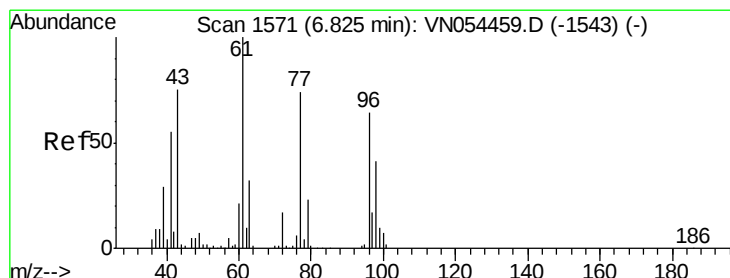
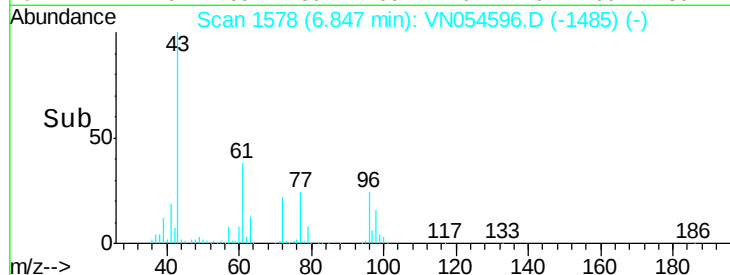
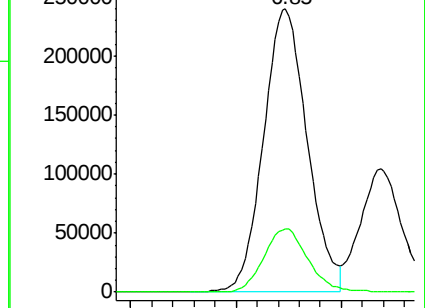
43 100

72 22.4 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 53.964 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054596.D

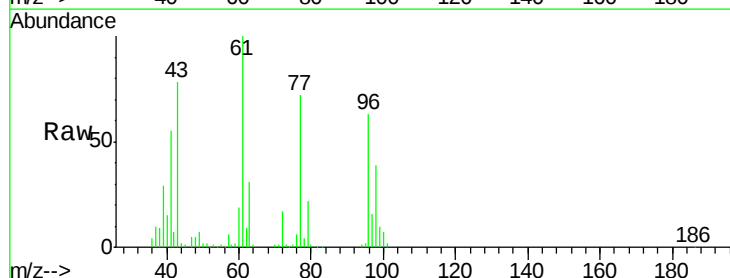
Acq: 23 Mar 2019 11:14

Tgt Ion: 77 Resp: 346042

Ion Ratio Lower Upper

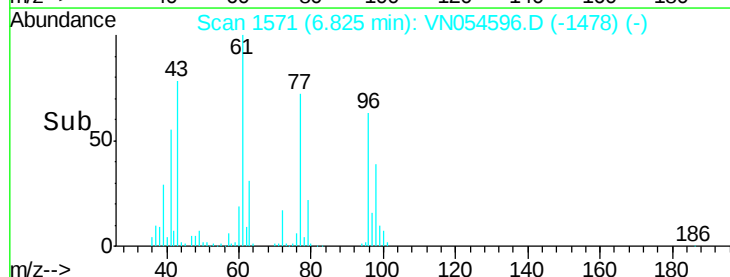
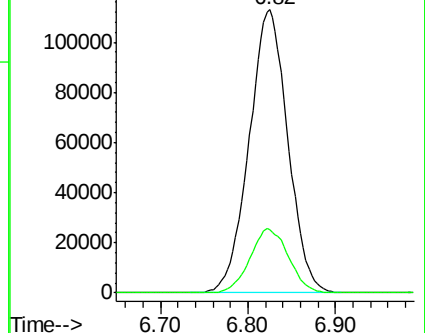
77 100

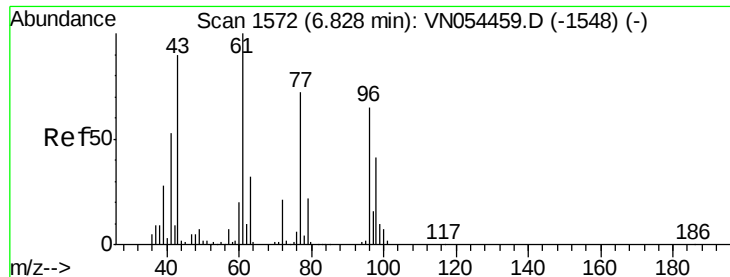
97 22.7 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 51.814 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

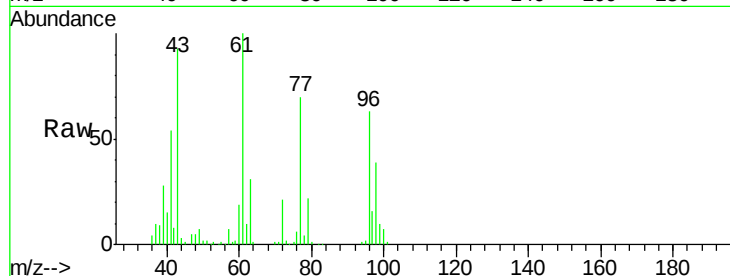
Tot Ion: 96 Resp: 283853

Ion Ratio Lower Upper

96 100

61 158.9 0.0 273.0

98 64.0 0.0 130.6

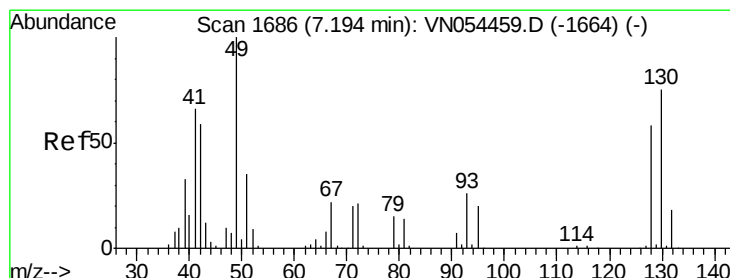
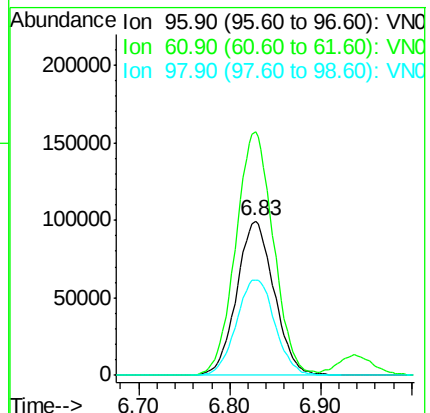
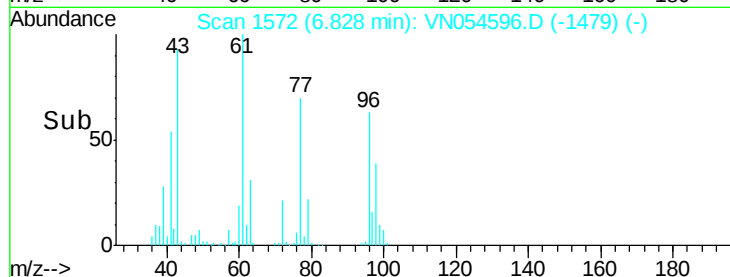


Abundance Ion 95.90 (95.60 to 96.60): VN054459.D (-1548) (-)

Ion 60.90 (60.60 to 61.60): VN054459.D (-1548) (-)

Ion 97.90 (97.60 to 98.60): VN054459.D (-1548) (-)

Time-->



#28

Bromochloromethane

Concen: 54.875 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

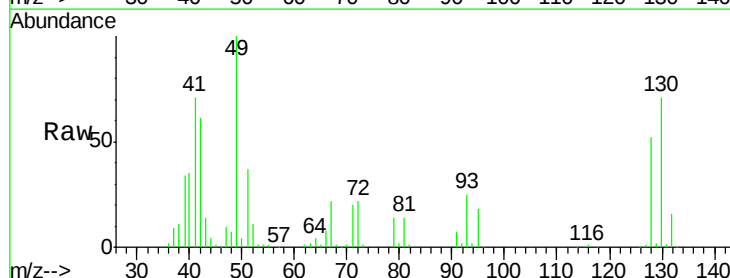
Tgt Ion: 49 Resp: 242976

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

130 68.0 76.7 115.1#

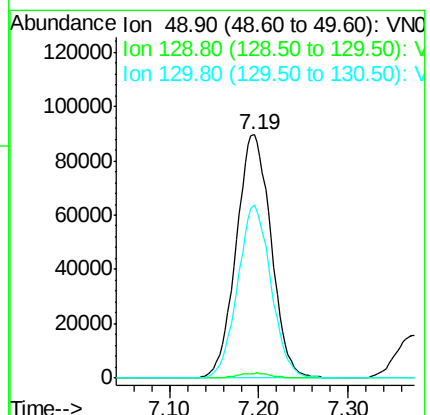
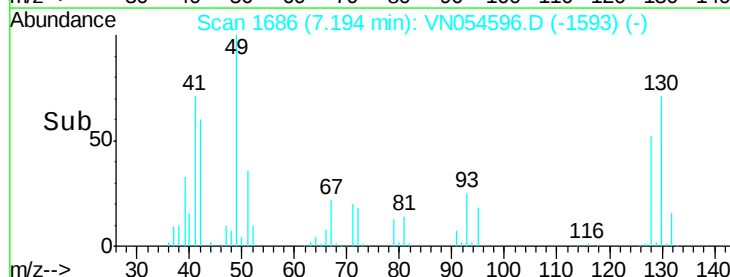


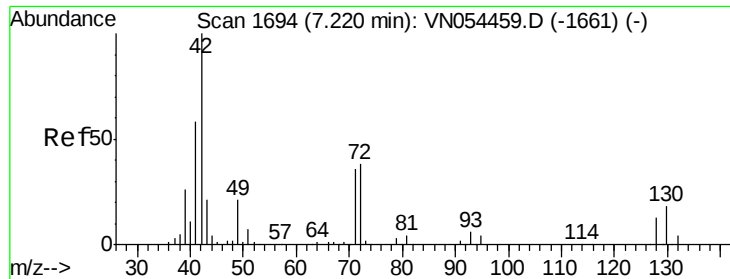
Abundance Ion 48.90 (48.60 to 49.60): VN054459.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN054459.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN054459.D (-1664) (-)

Time-->

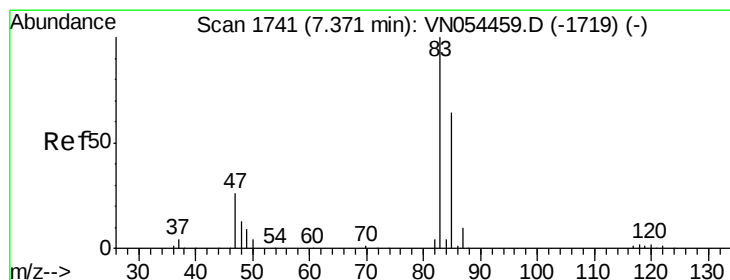
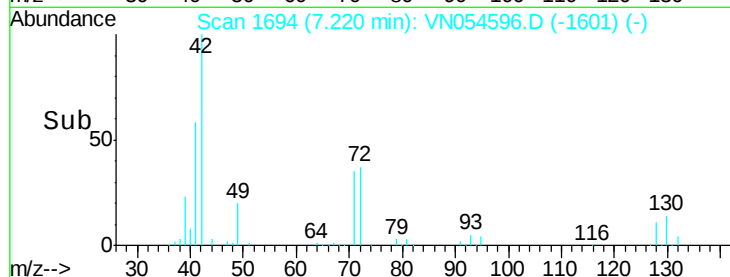
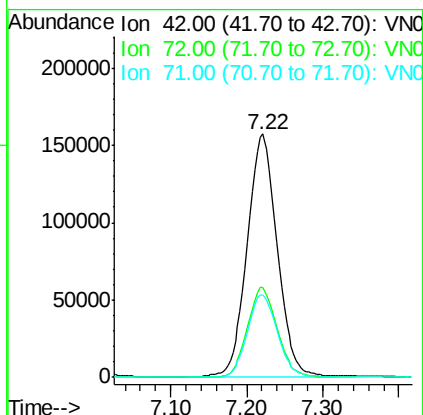
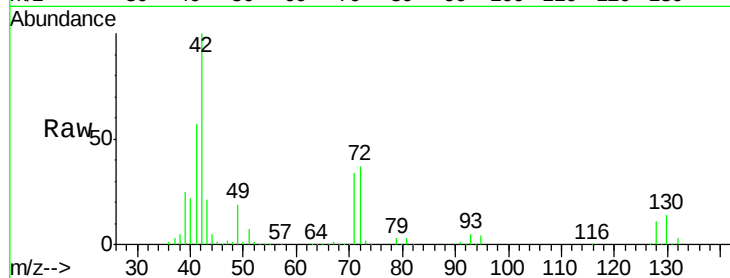




#29
Tetrahydrofuran
Concen: 298.745 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

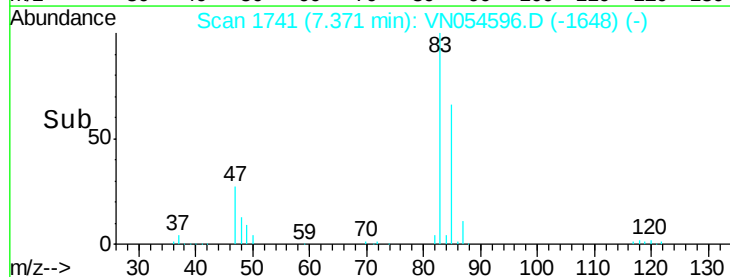
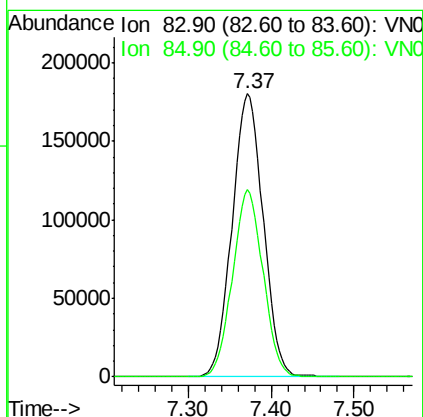
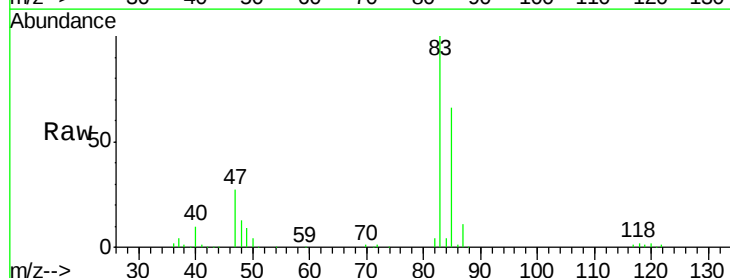
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

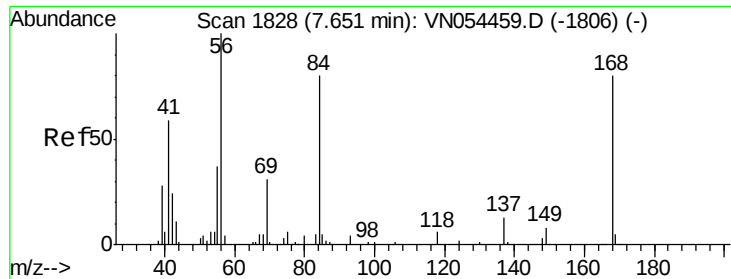
Tot Ion: 42 Resp: 433087
Ion Ratio Lower Upper
42 100
72 36.6 37.8 56.6#
71 34.2 36.2 54.2#



#30
Chloroform
Concen: 53.610 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion: 83 Resp: 470632
Ion Ratio Lower Upper
83 100
85 66.1 52.2 78.4





#31

Cyclohexane

Concen: 54.166 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

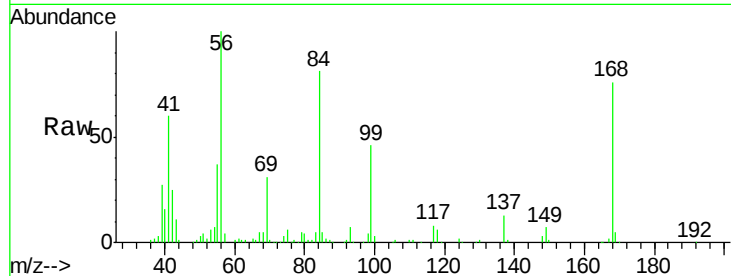
Tot Ion: 56 Resp: 465555

Ion Ratio Lower Upper

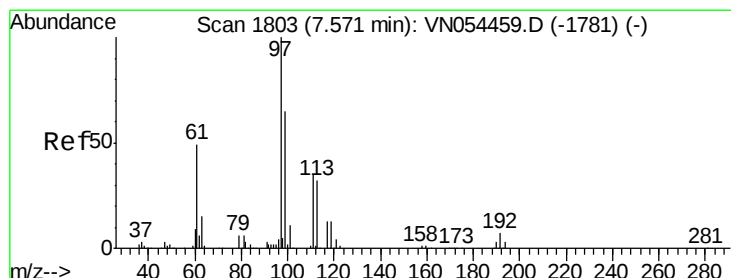
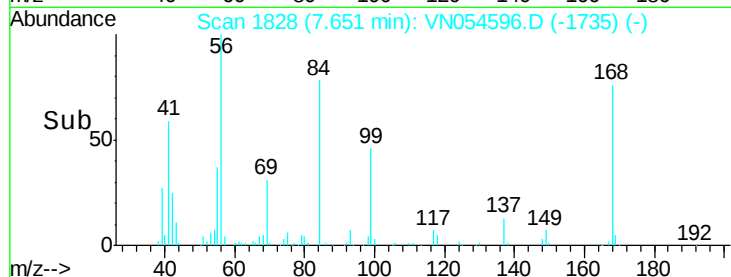
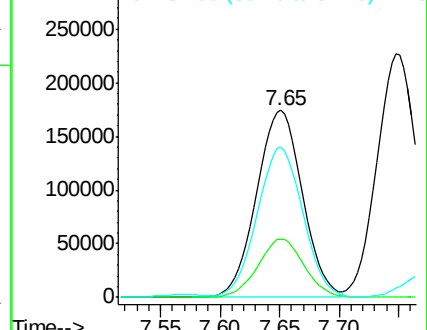
56 100

69 31.0 27.8 41.6

84 79.4 74.6 111.8



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



#32

1,1,1-Trichloroethane

Concen: 53.145 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

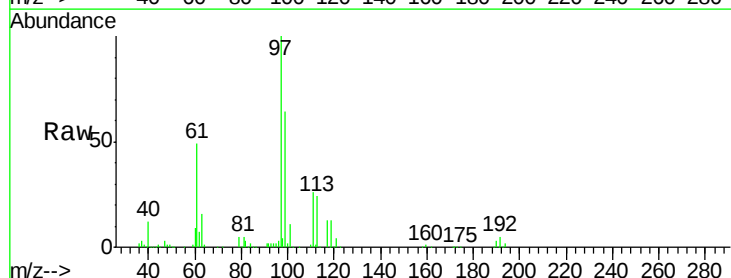
Tgt Ion: 97 Resp: 384910

Ion Ratio Lower Upper

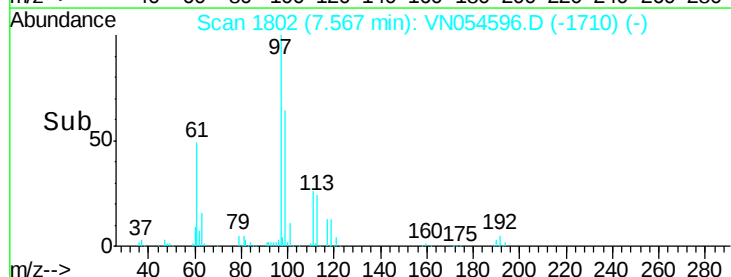
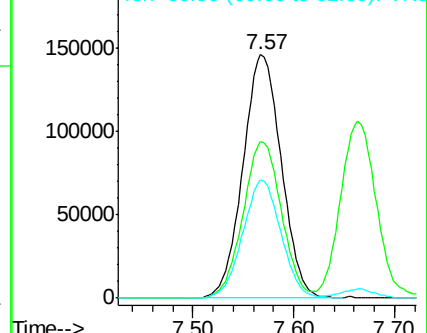
97 100

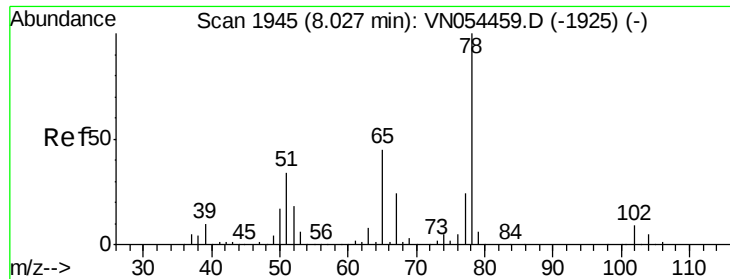
99 64.3 51.5 77.3

61 48.4 33.6 50.4



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

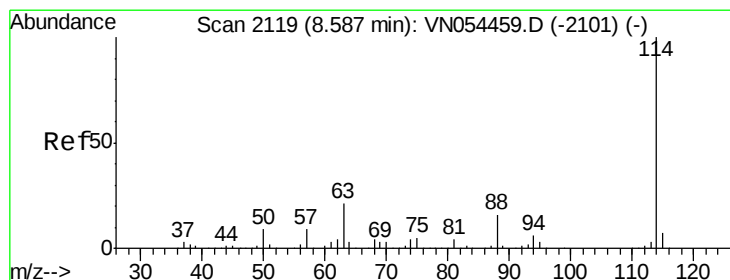
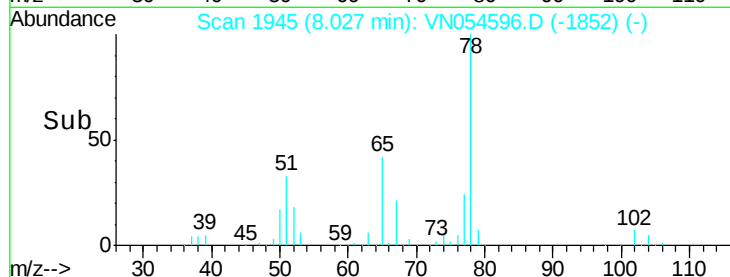
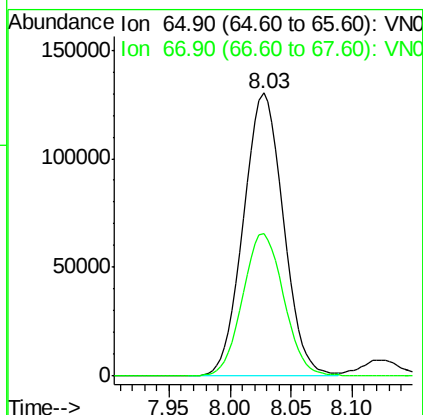
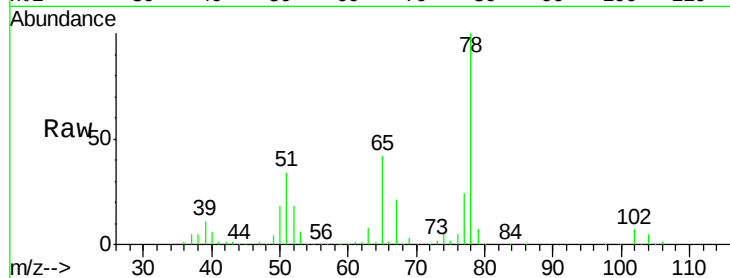




#33
 1,2-Dichloroethane-d4
 Concen: 51.093 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

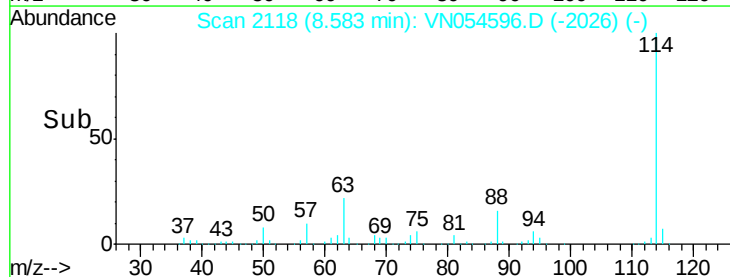
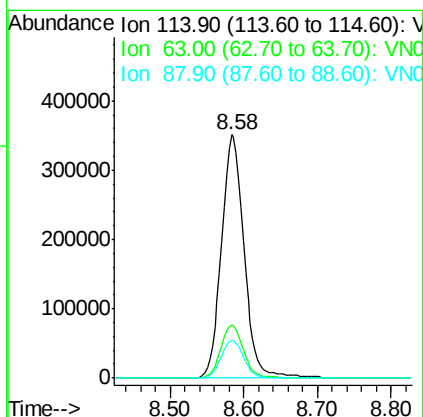
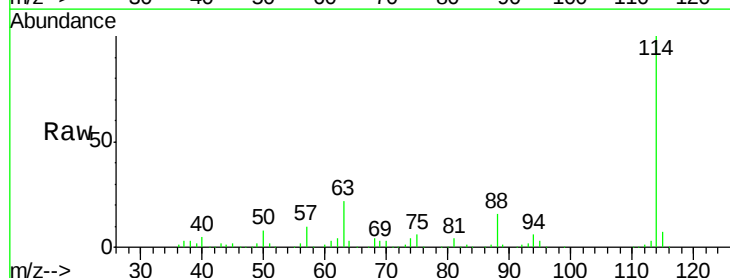
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

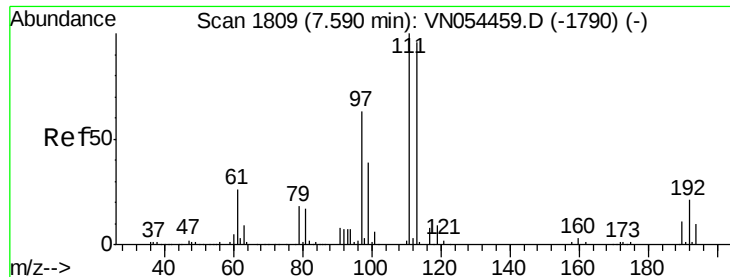
Tot Ion: 65 Resp: 296362
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Tgt Ion: 114 Resp: 750640
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 35.2
 88 15.6 0.0 30.2

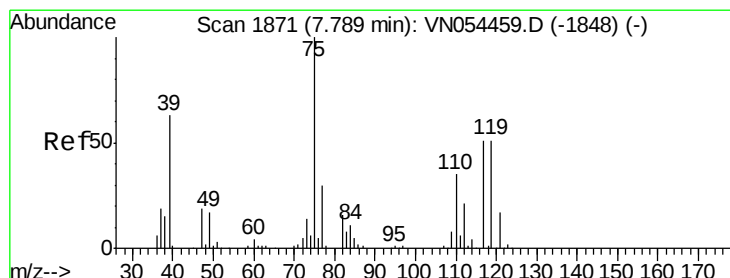
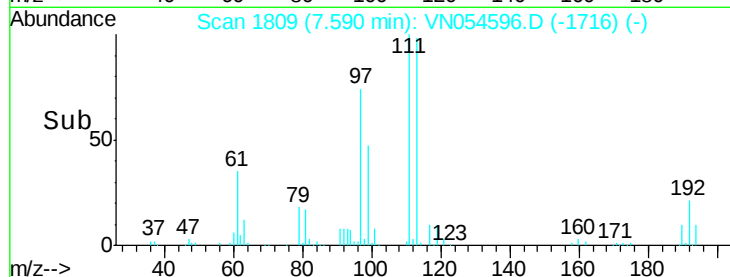
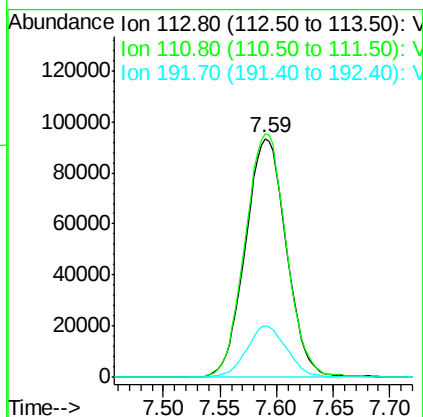
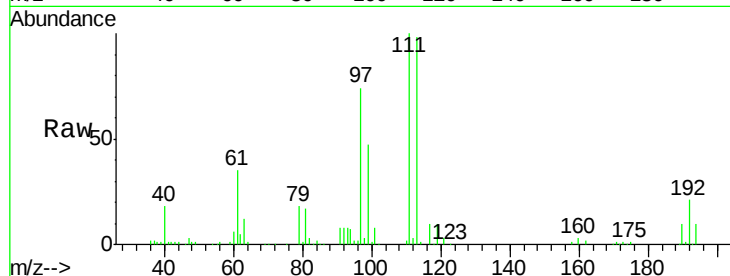




#35
 Dibromofluoromethane
 Concen: 48.575 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

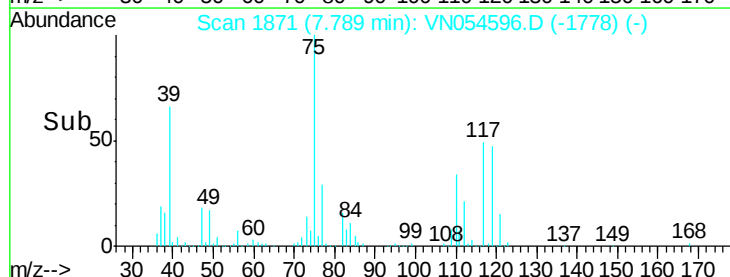
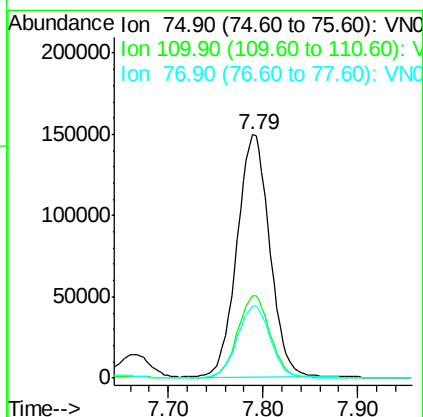
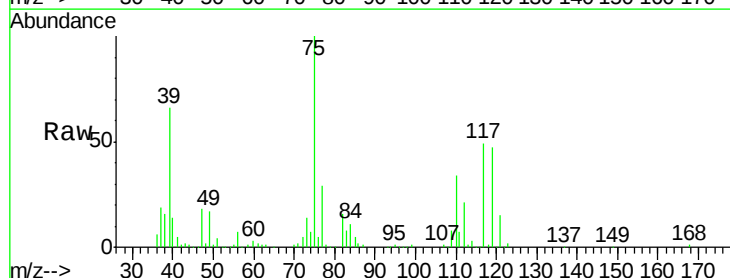
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

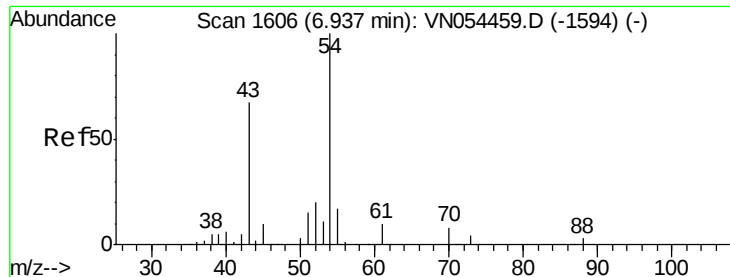
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.4
192	21.2	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 51.169 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	19.1	57.5
77	30.7	25.0	37.4

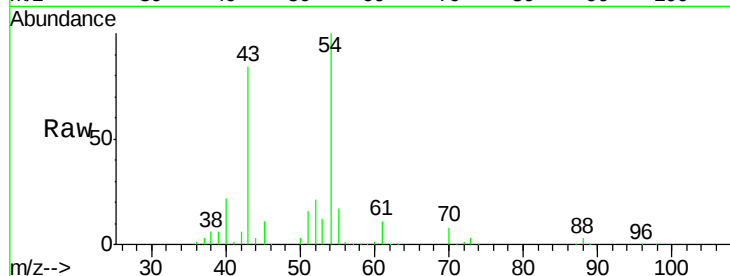




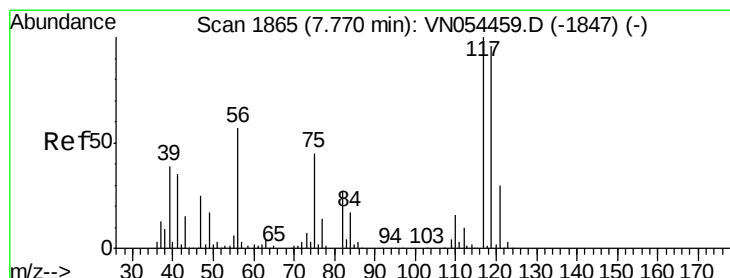
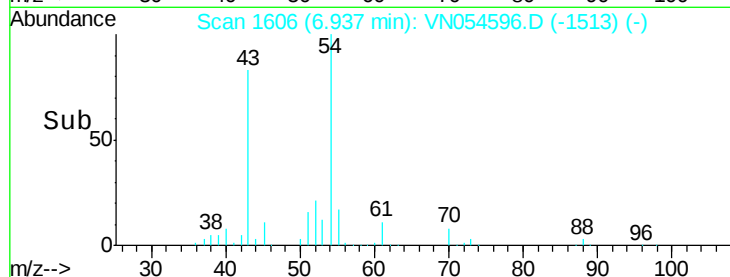
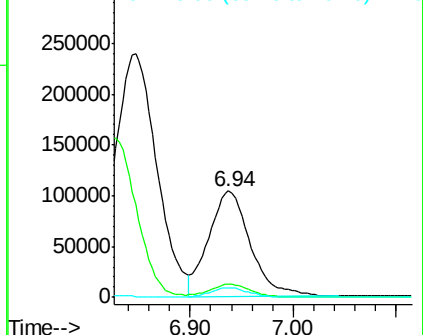
#37
Ethyl Acetate
Concen: 58.090 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 289975
Ion Ratio Lower Upper
43 100
61 12.8 11.8 17.6
70 8.3 8.4 12.6#

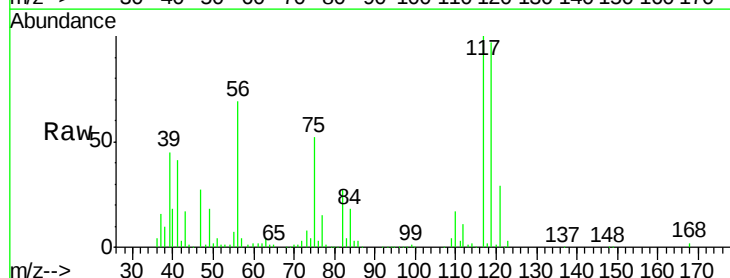


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

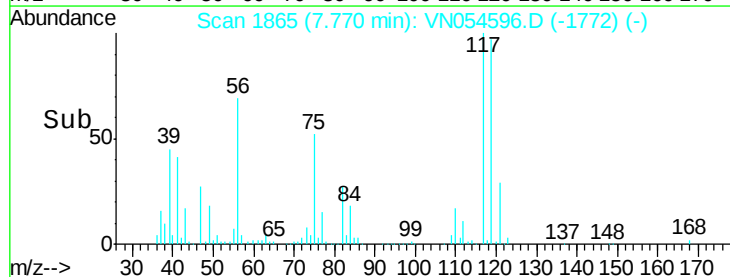
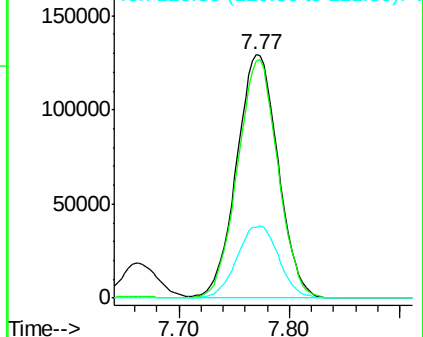


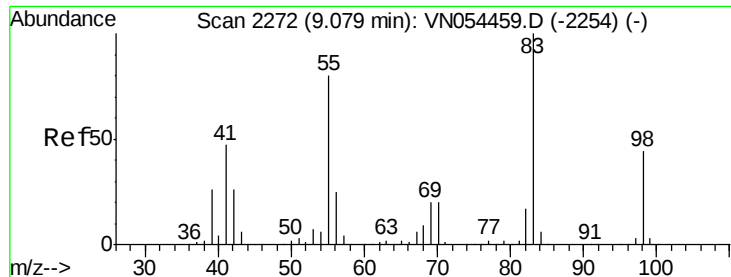
#38
Carbon Tetrachloride
Concen: 49.182 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion: 117 Resp: 335444
Ion Ratio Lower Upper
117 100
119 97.5 76.3 114.5
121 29.3 24.6 36.8



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

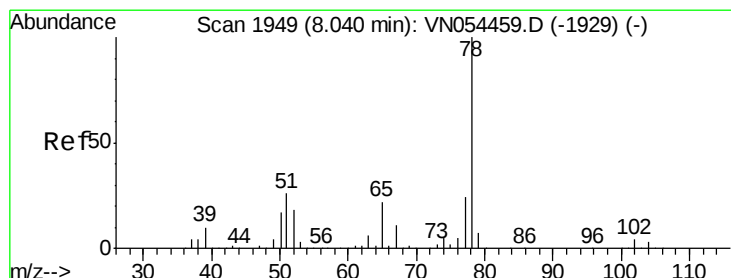
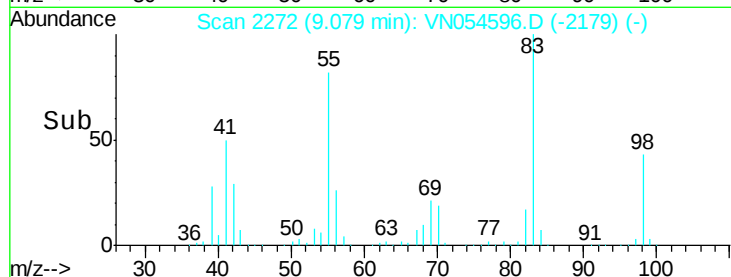
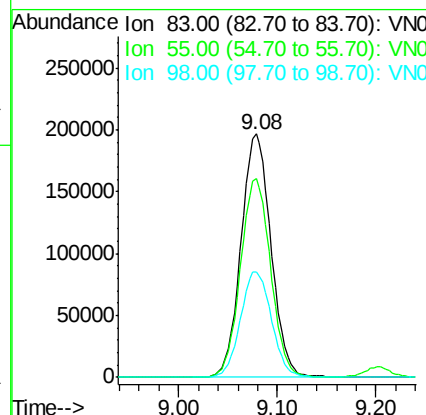
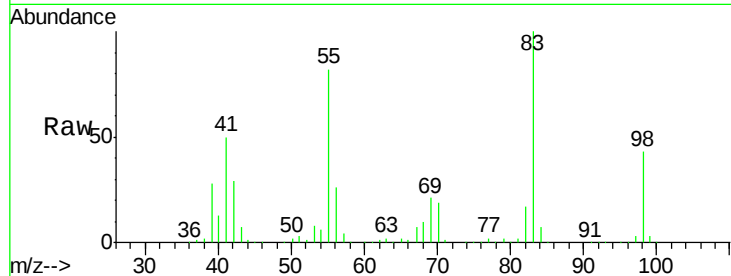




#39
Methvlcvclohexane
Concen: 51.712 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

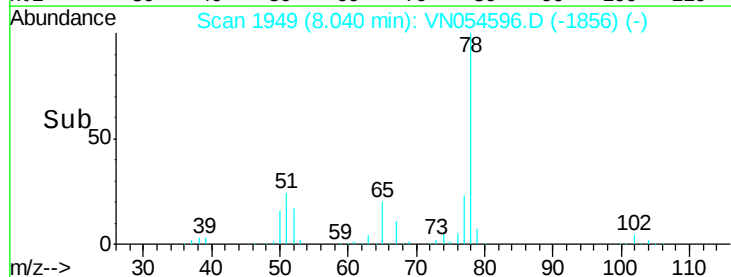
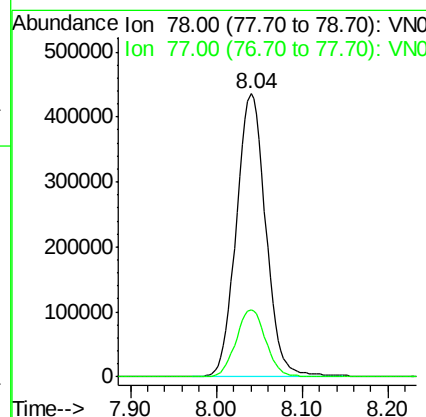
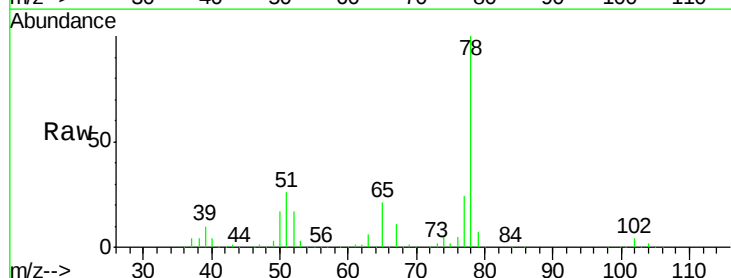
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

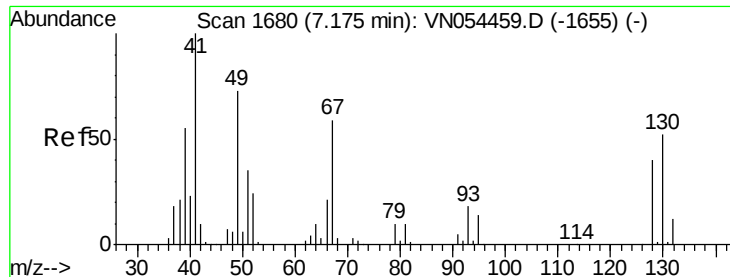
Tot Ion: 83 Resp: 415170
Ion Ratio Lower Upper
83 100
55 81.5 56.6 84.8
98 43.3 38.4 57.6



#40
Benzene
Concen: 51.671 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion: 78 Resp: 1037028
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

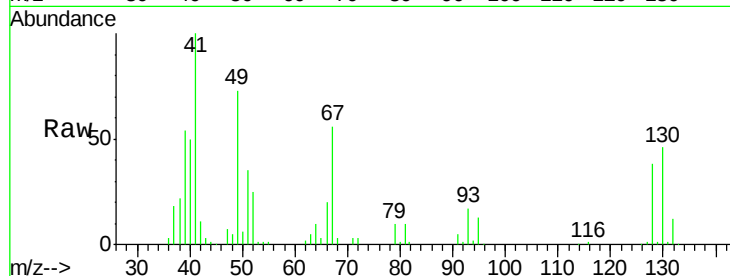




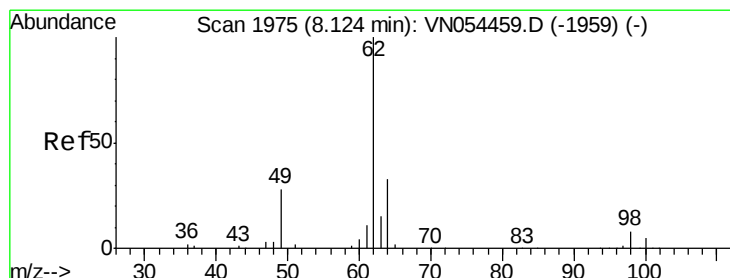
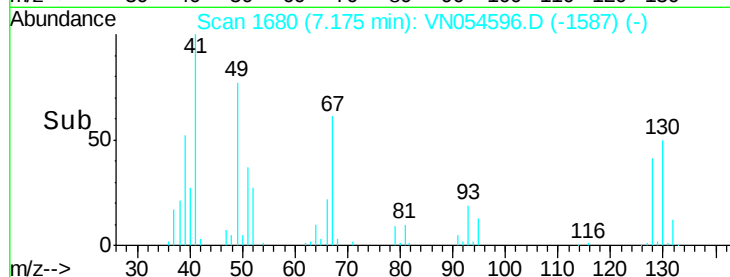
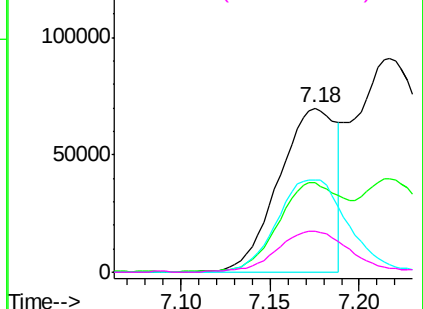
#41
Methacrylonitrile
Concen: 50.706 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 154363
Ion Ratio Lower Upper
41 100
39 61.4 46.8 70.2
67 70.2 67.0 100.4
52 32.6 26.5 39.7

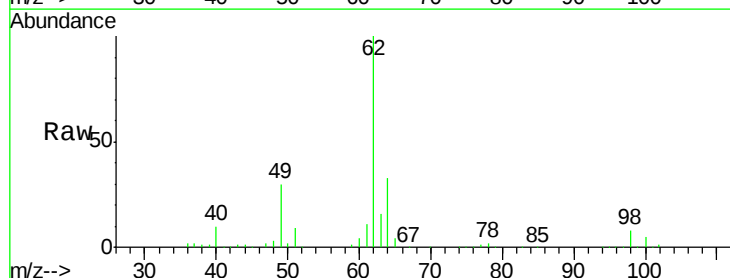


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

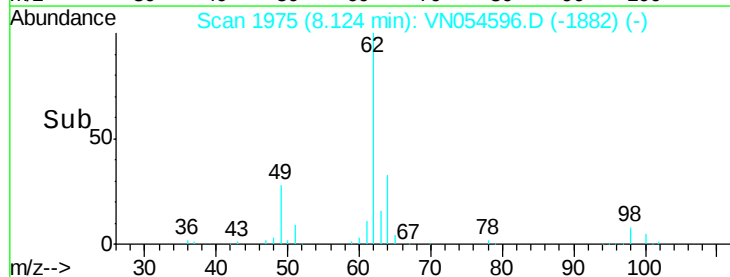
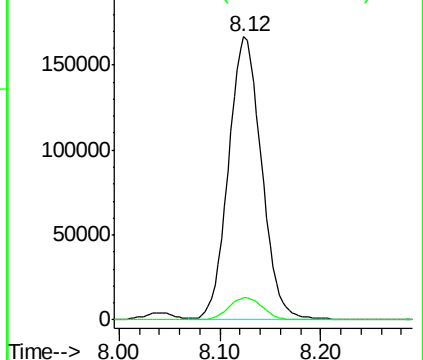


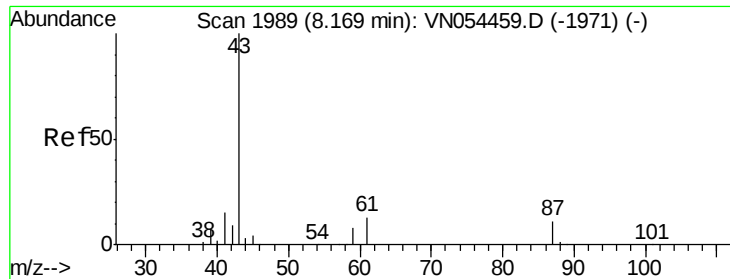
#42
1,2-Dichloroethane
Concen: 51.949 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion: 62 Resp: 379694
Ion Ratio Lower Upper
62 100
98 8.2 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 57.355 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

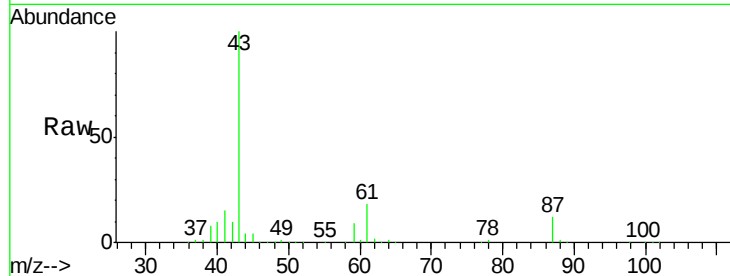
Tot Ion: 43 Resp: 483530

Ion Ratio Lower Upper

43 100

61 18.1 15.8 23.8

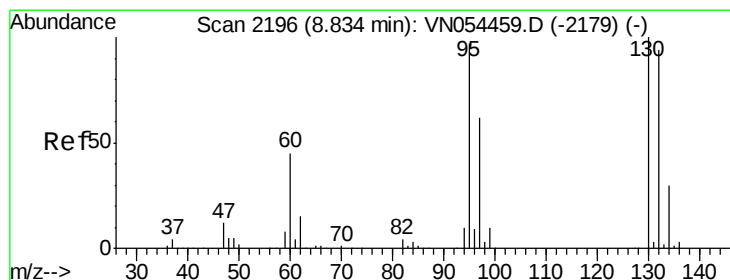
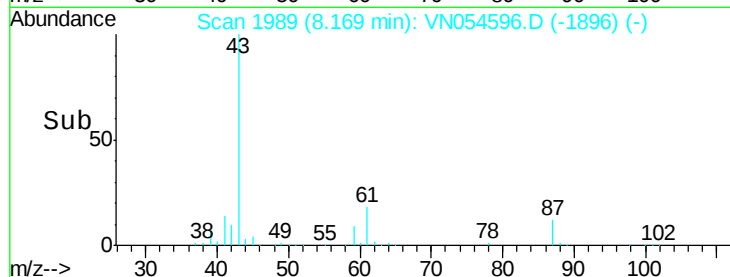
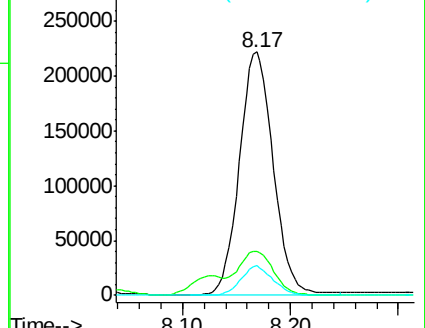
87 11.5 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 49.548 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054596.D

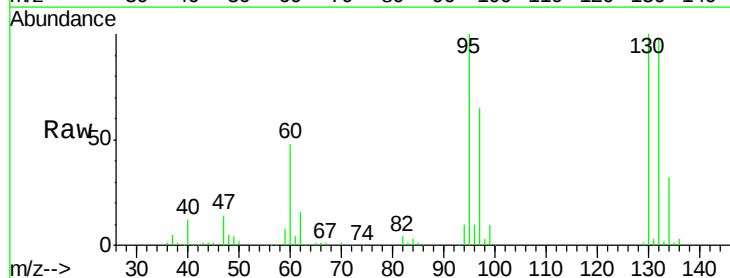
Acq: 23 Mar 2019 11:14

Tgt Ion:130 Resp: 276471

Ion Ratio Lower Upper

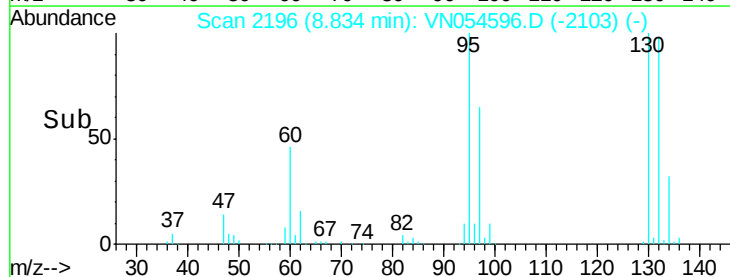
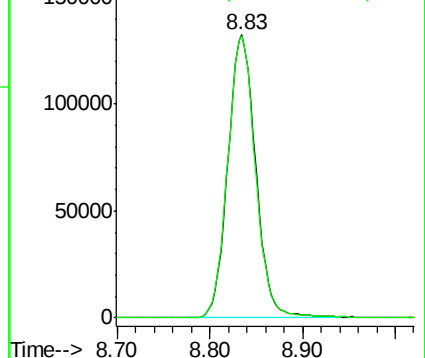
130 100

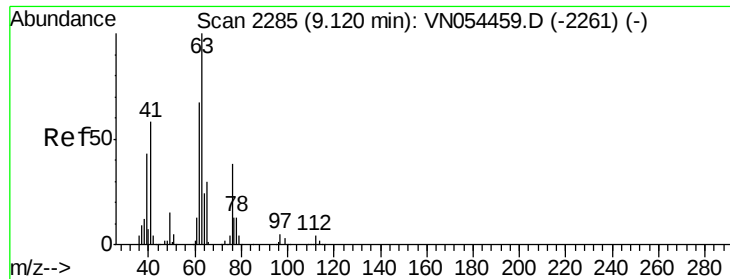
95 99.9 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 54.844 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

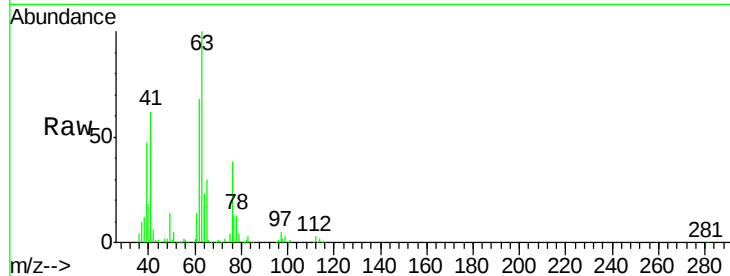
VSTDCCC050

Tot Ion: 63 Resp: 295565

Ion Ratio Lower Upper

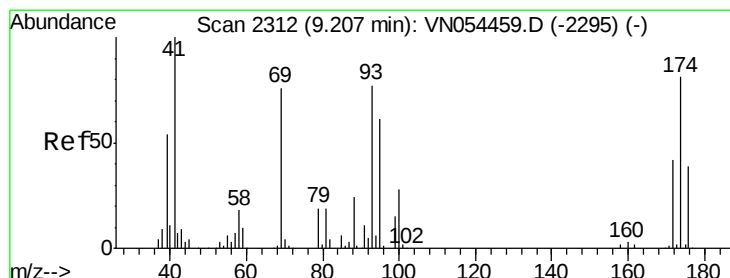
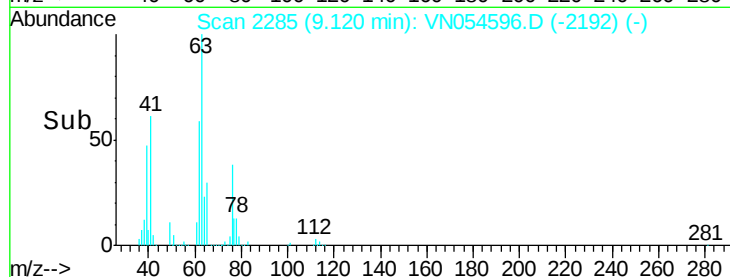
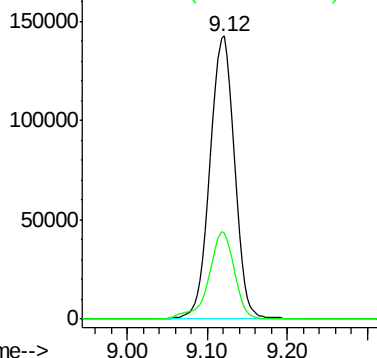
63 100

65 30.4 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.733 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

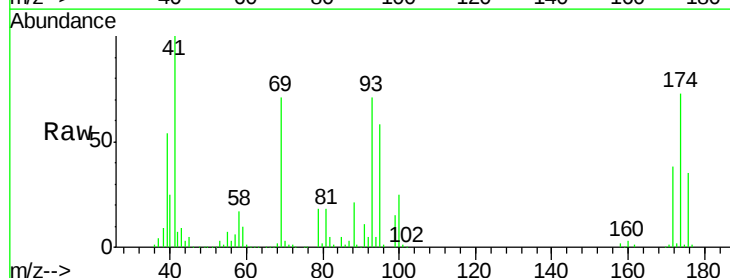
Tgt Ion: 93 Resp: 169539

Ion Ratio Lower Upper

93 100

95 82.2 66.7 100.1

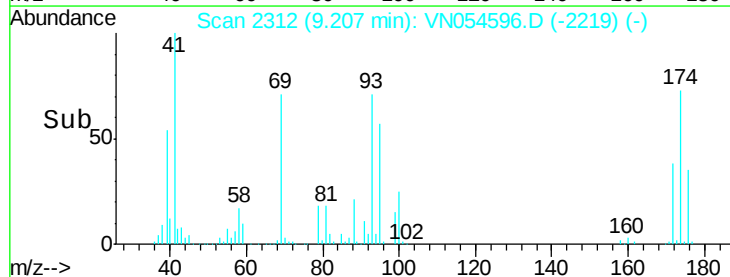
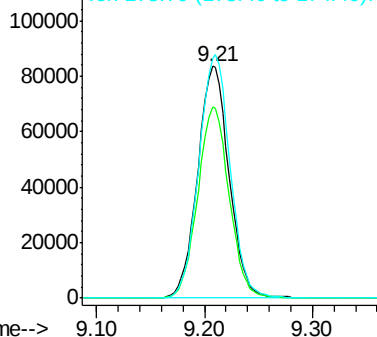
174 104.4 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.478 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

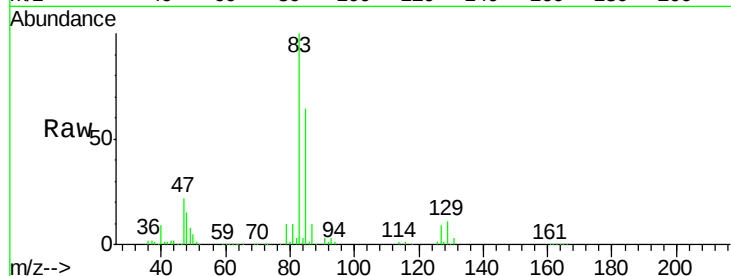
Tot Ion: 83 Resp: 350154

Ion Ratio Lower Upper

83 100

85 64.2 52.8 79.2

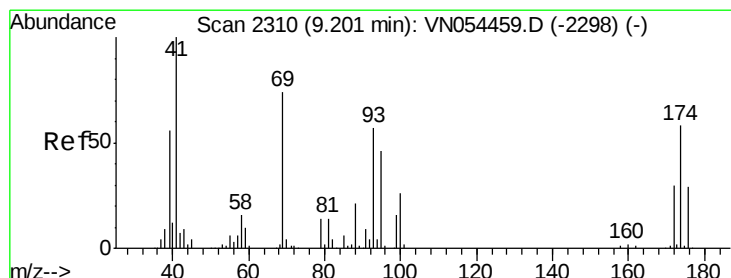
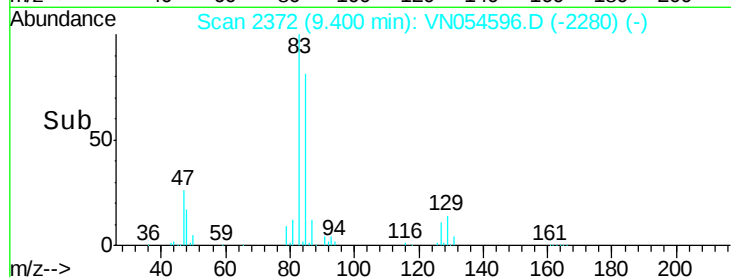
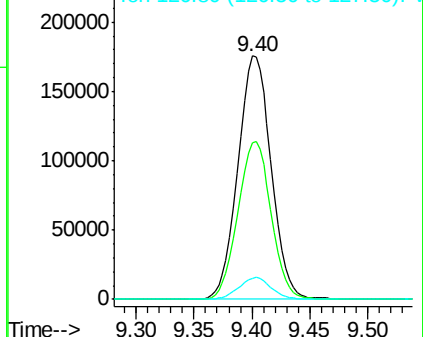
127 8.6 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054596.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054596.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054596.D (-2280) (-)



#48

Methyl methacrylate

Concen: 55.339 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

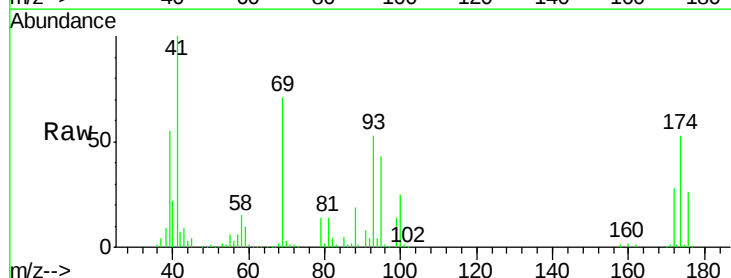
Tgt Ion: 41 Resp: 253218

Ion Ratio Lower Upper

41 100

69 73.5 72.6 108.8

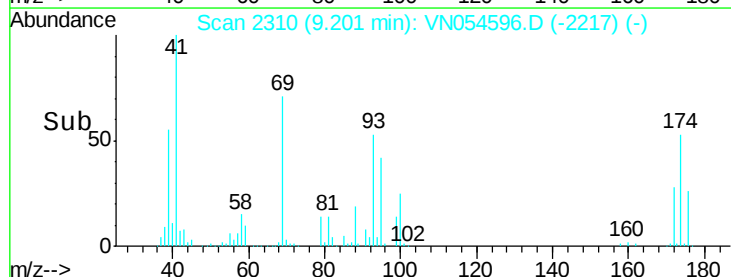
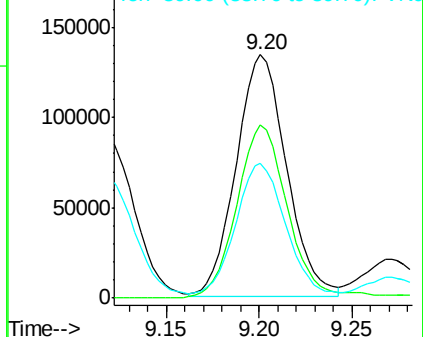
39 55.6 47.5 71.3

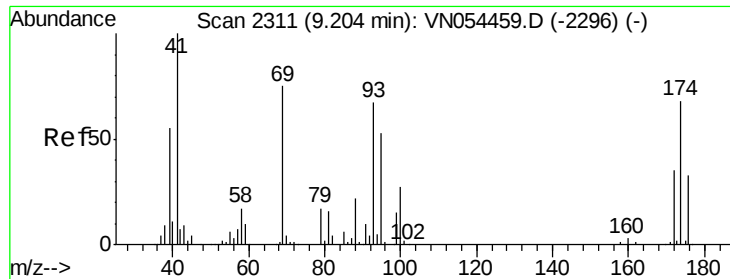


Abundance Ion 41.00 (40.70 to 41.70): VN054596.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054596.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054596.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1067.573 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

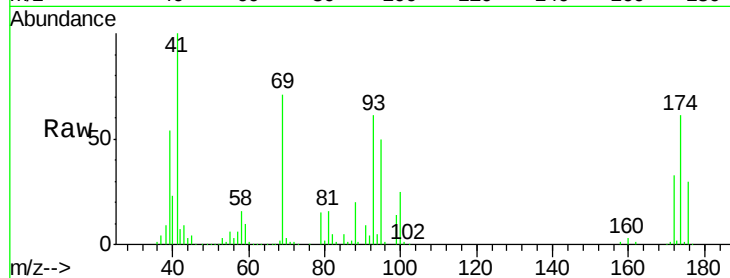
Tot Ion: 88 Resp: 54611

Ion Ratio Lower Upper

88 100

43 39.8 24.1 36.1#

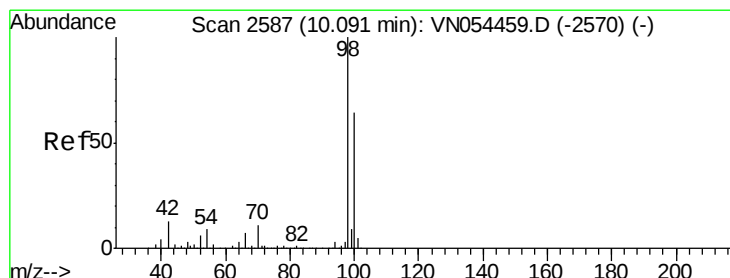
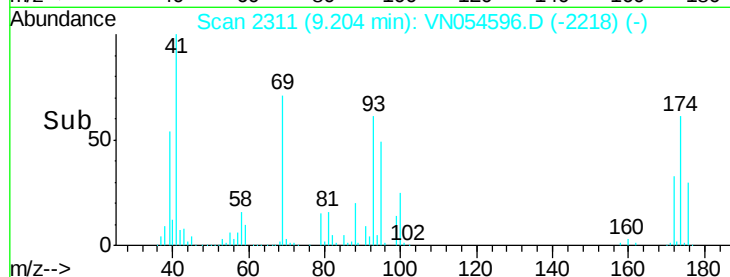
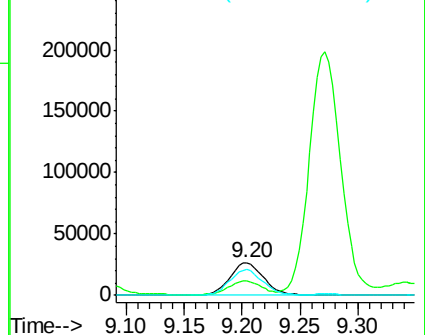
58 76.2 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)



#50

Toluene-d8

Concen: 48.185 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054596.D

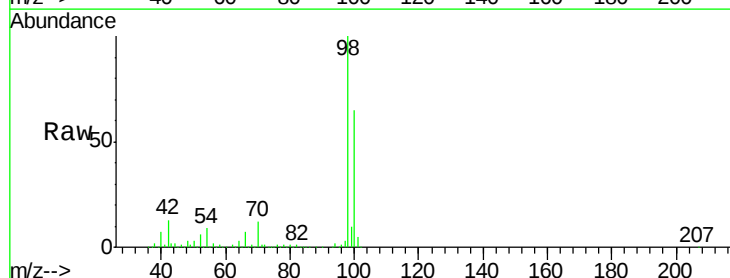
Acq: 23 Mar 2019 11:14

Tgt Ion: 98 Resp: 876017

Ion Ratio Lower Upper

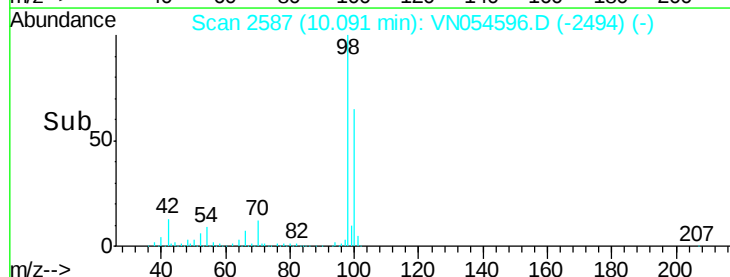
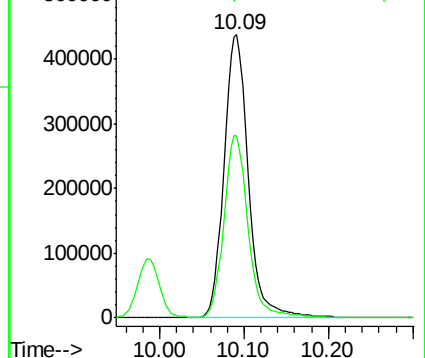
98 100

100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 293.641 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

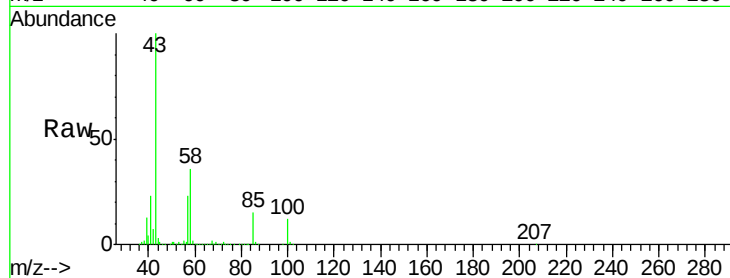
VSTDCCC050

Tot Ion: 43 Resp: 1371954

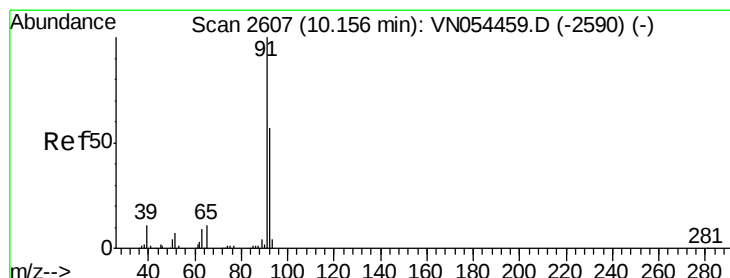
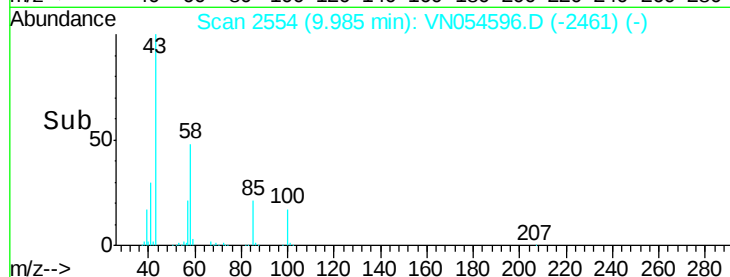
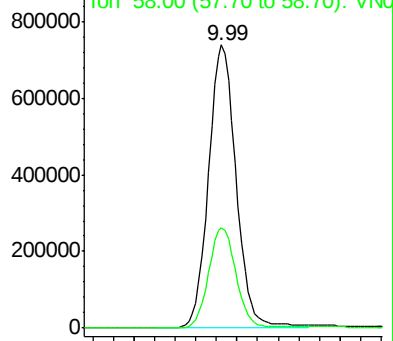
Ion Ratio Lower Upper

43 100

58 35.6 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-2539) (-)



#52

Toluene

Concen: 51.097 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054596.D

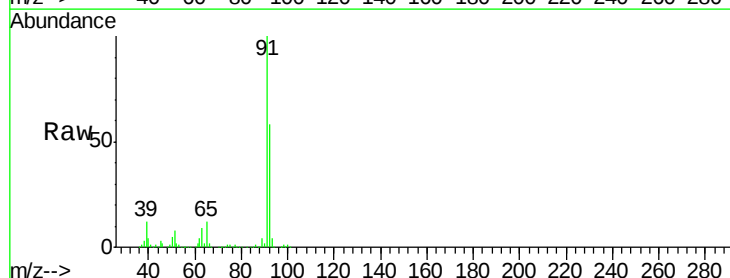
Acq: 23 Mar 2019 11:14

Tgt Ion: 92 Resp: 630738

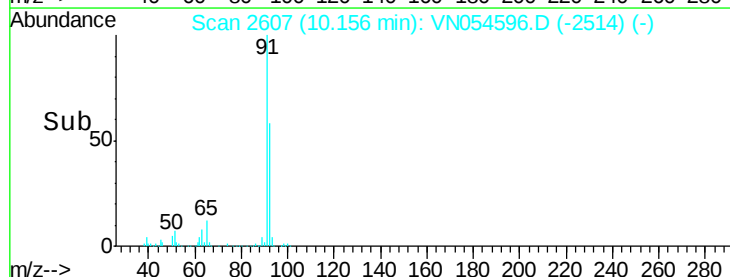
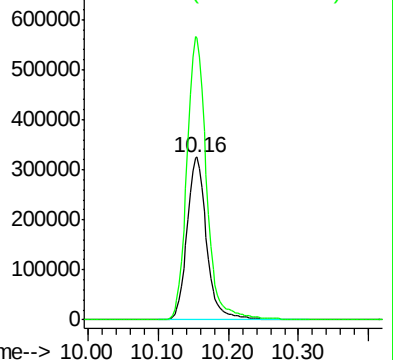
Ion Ratio Lower Upper

92 100

91 174.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054459.D (-2590) (-)





#53

t-1,3-Dichloropropene

Concen: 49.179 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

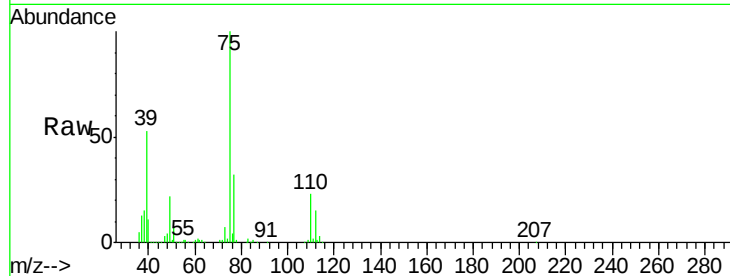
VSTDCCC050

Tot Ion: 75 Resp: 345880

Ion Ratio Lower Upper

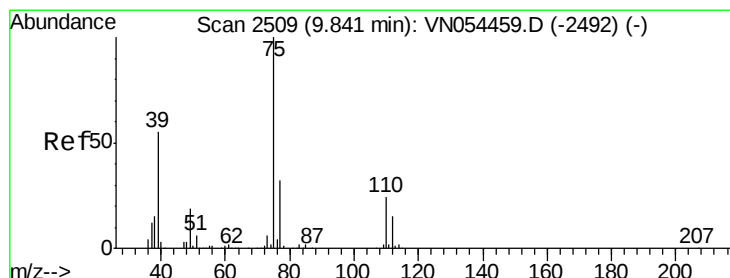
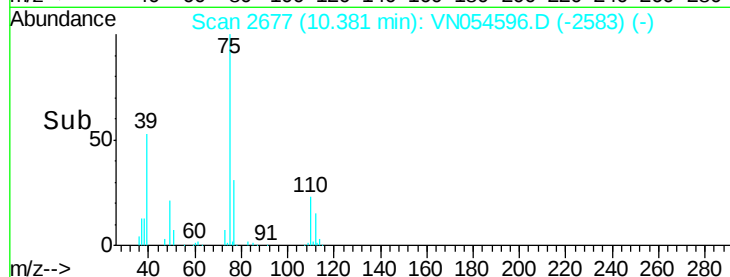
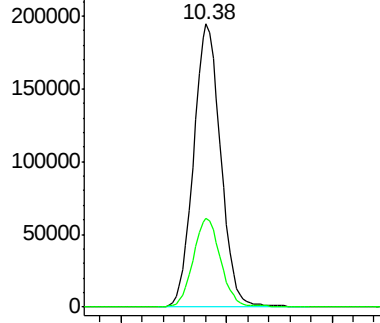
75 100

77 31.3 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 54.454 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

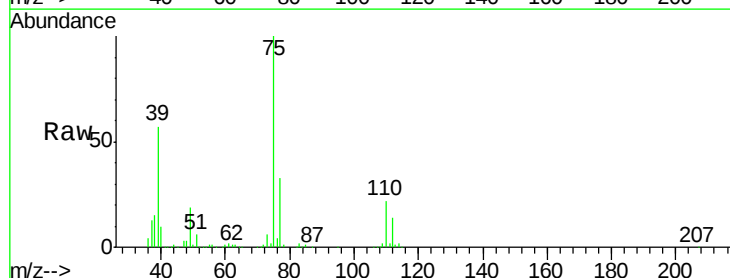
Tgt Ion: 75 Resp: 416607

Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.0

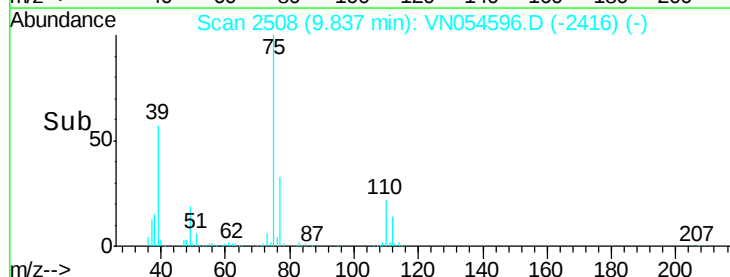
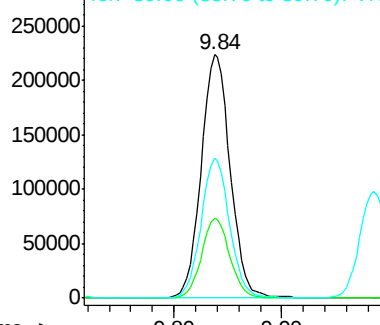
39 57.3 37.2 55.8#

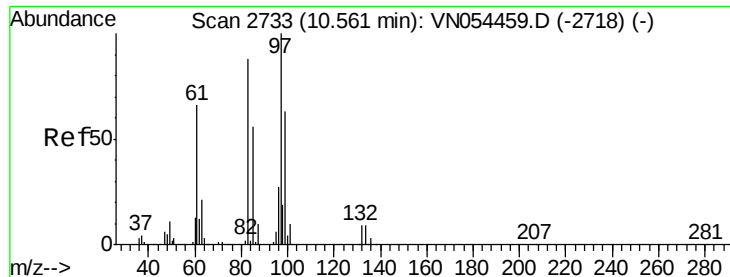


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

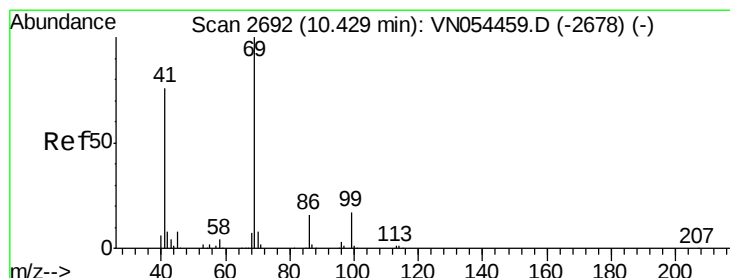
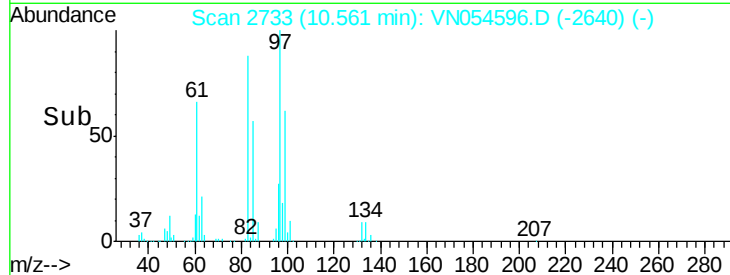
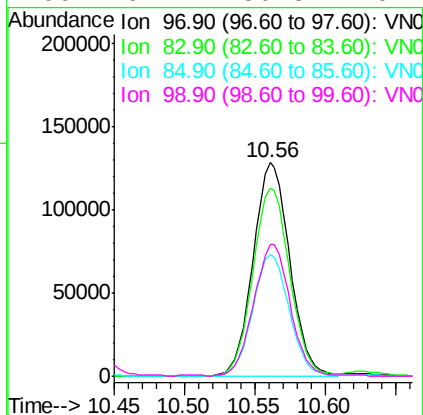
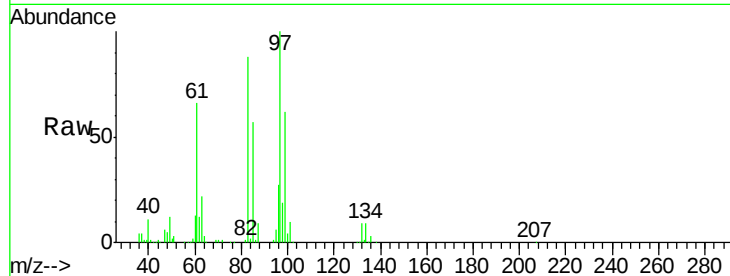




#55
 1,1,2-Trichloroethane
 Concen: 52.648 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

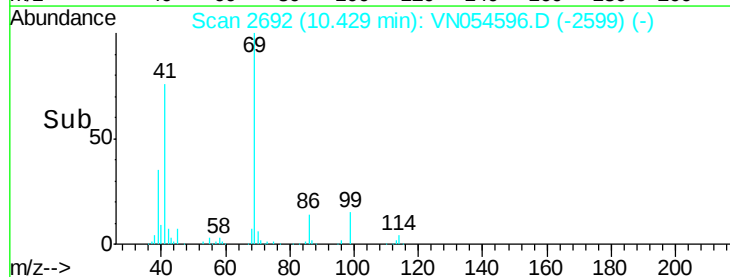
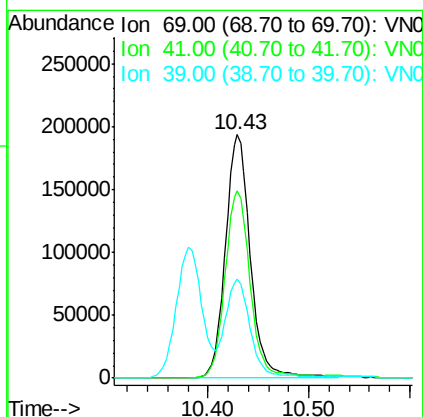
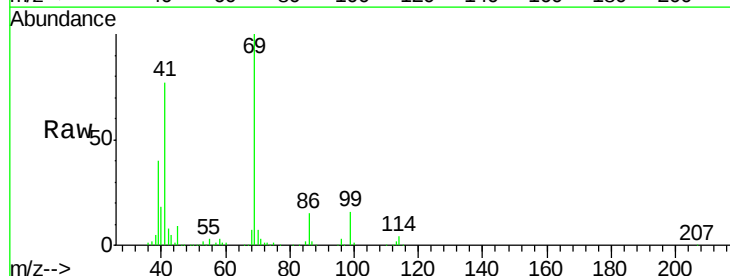
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

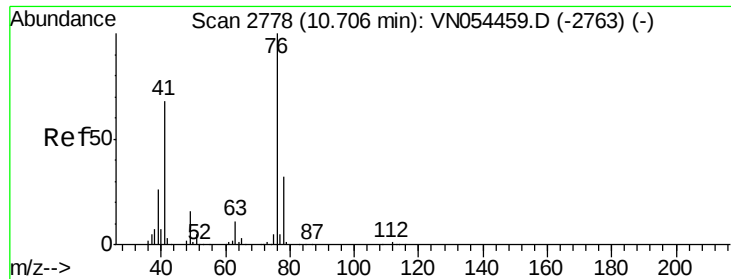
Tot Ion:	97	Resp:	233608
Ion	Ratio	Lower	Upper
97	100		
83	88.0	66.6	100.0
85	57.2	44.4	66.6
99	61.1	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 56.389 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Tgt Ion:	69	Resp:	335832
Ion	Ratio	Lower	Upper
69	100		
41	76.2	49.4	74.2#
39	39.9	28.3	42.5

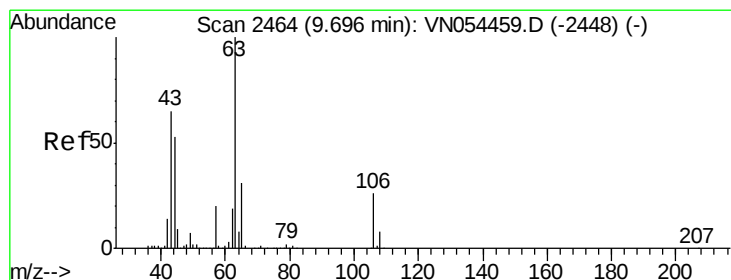
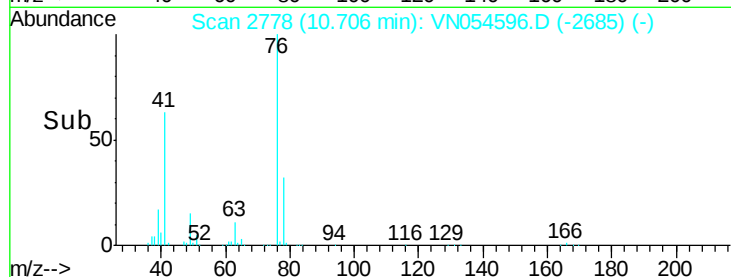
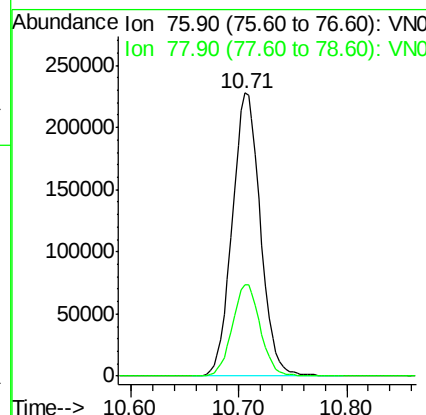
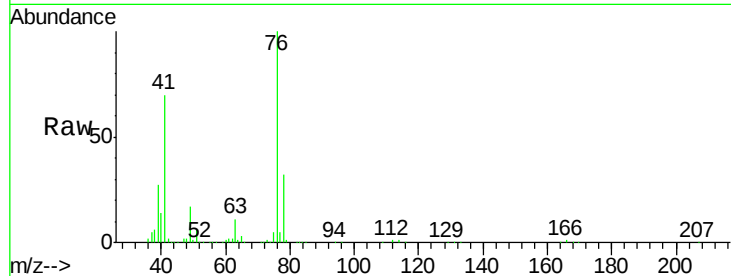




#57
 1,3-Dichloropropane
 Concen: 53.798 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

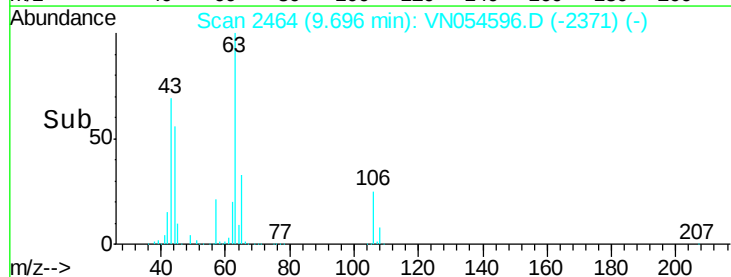
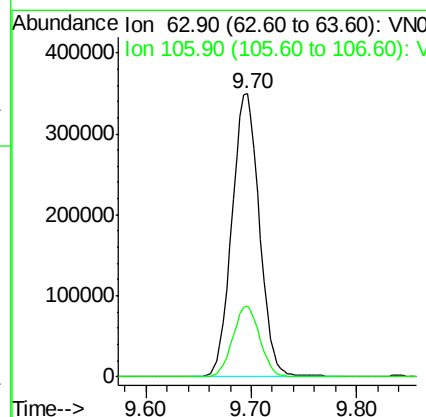
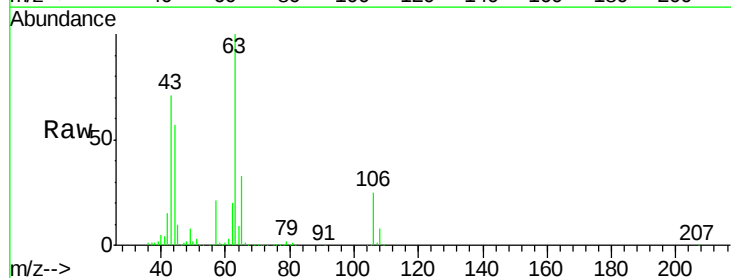
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

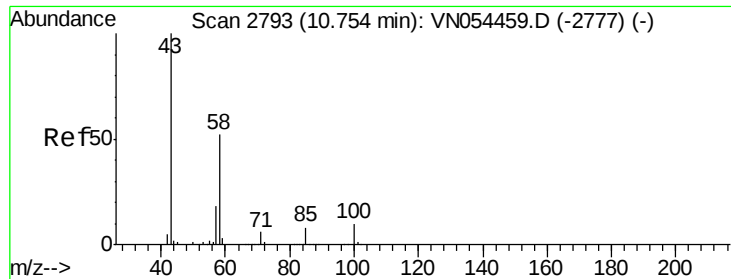
Tot Ion: 76 Resp: 414957
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.059 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Tgt Ion: 63 Resp: 630407
 Ion Ratio Lower Upper
 63 100
 106 24.4 24.4 36.6

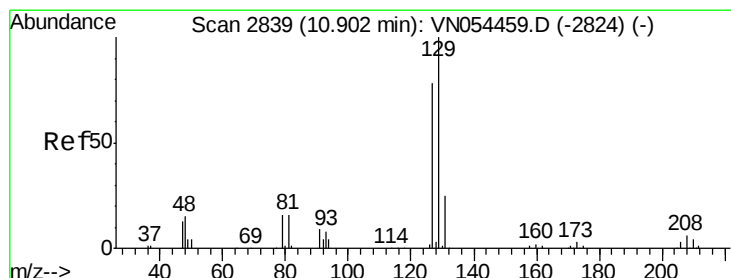
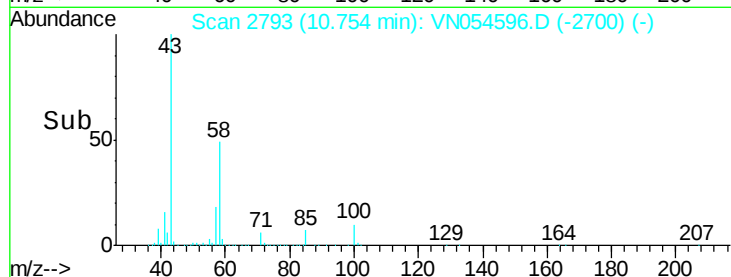
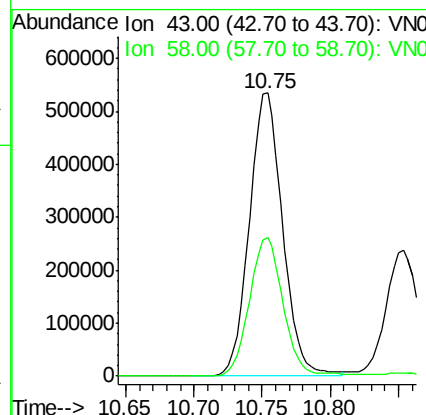
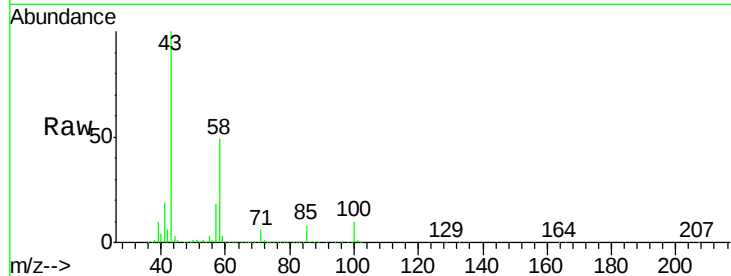




#59
2-Hexanone
Concen: 296.341 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

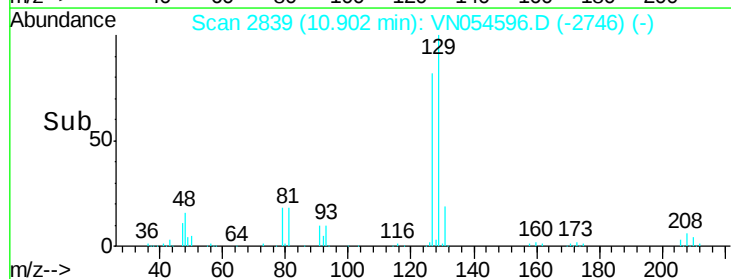
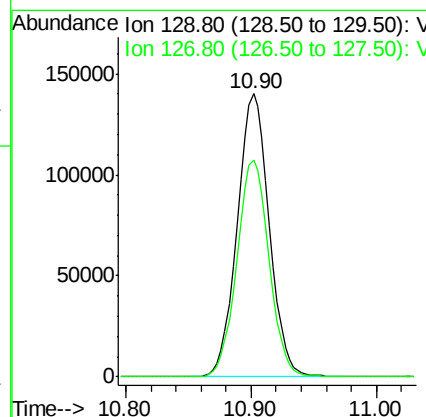
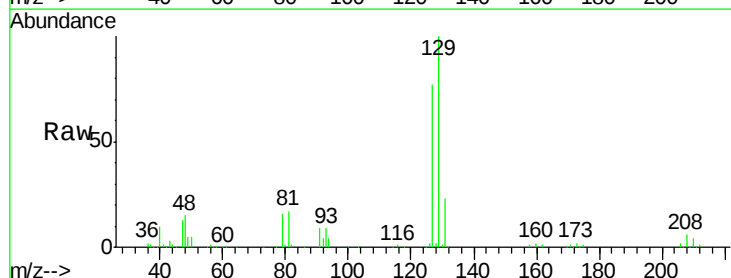
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

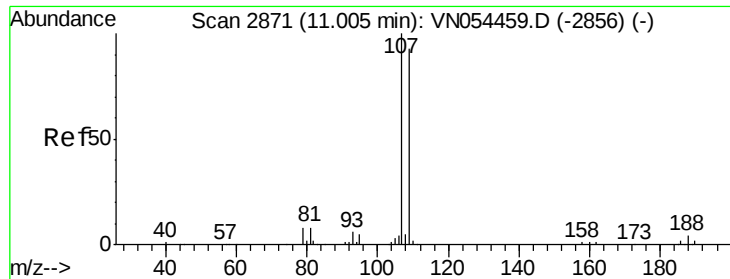
Tot Ion: 43 Resp: 904383
Ion Ratio Lower Upper
43 100
58 49.9 28.0 83.9



#60
Dibromochloromethane
Concen: 52.458 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion: 129 Resp: 247686
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.374 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

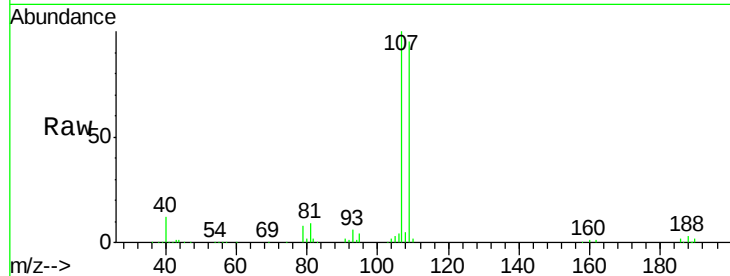
VSTDCCC050

Tot Ion: 107 Resp: 229748

Ion Ratio Lower Upper

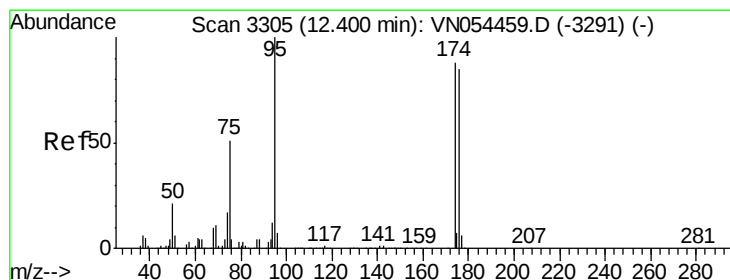
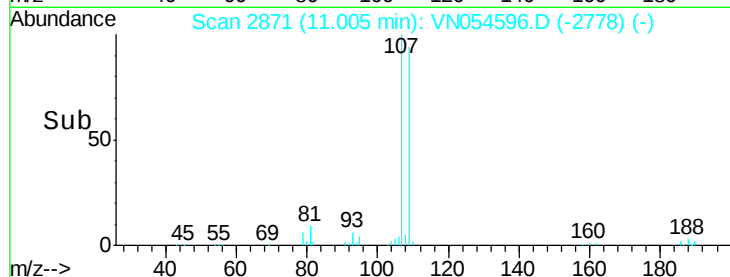
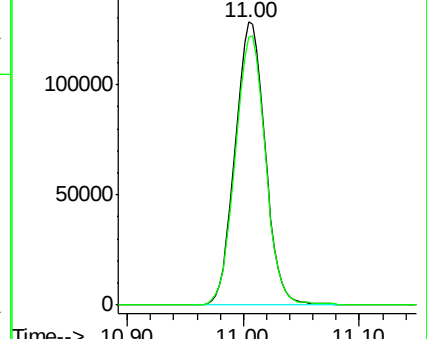
107 100

109 95.8 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.363 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

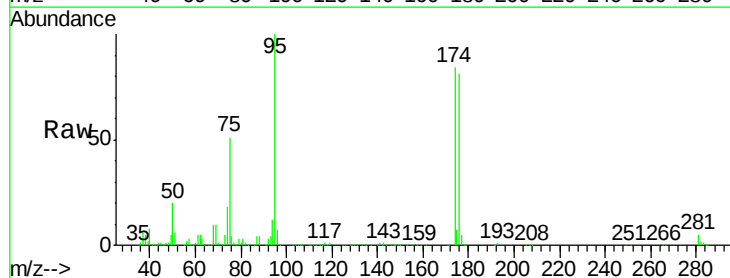
Tgt Ion: 95 Resp: 305383

Ion Ratio Lower Upper

95 100

174 85.0 0.0 191.0

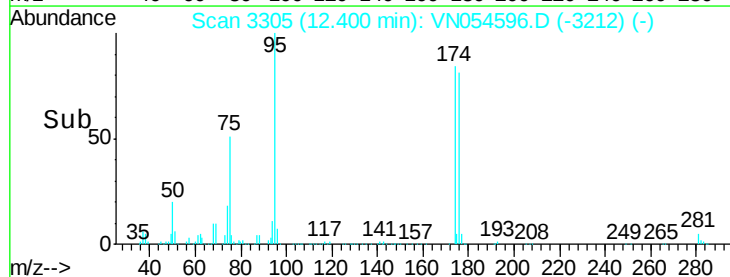
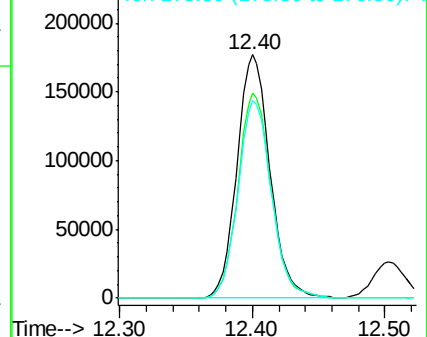
176 82.3 0.0 187.4

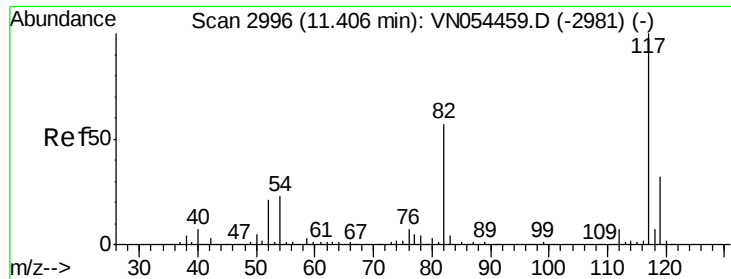


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

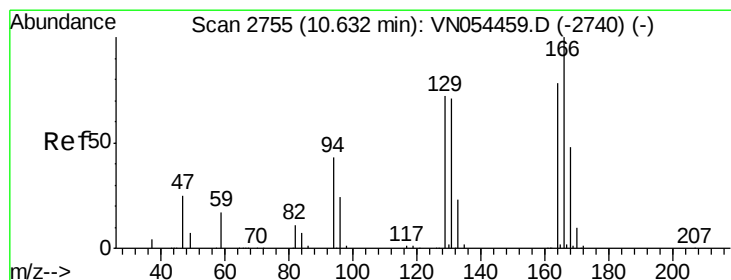
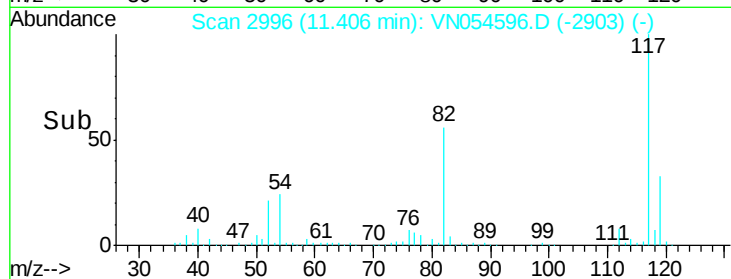
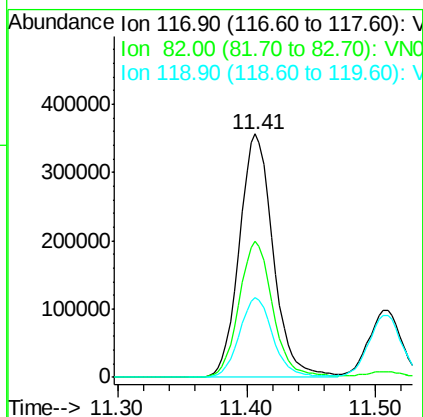
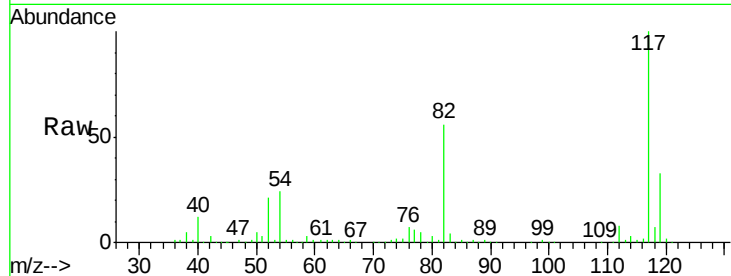




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

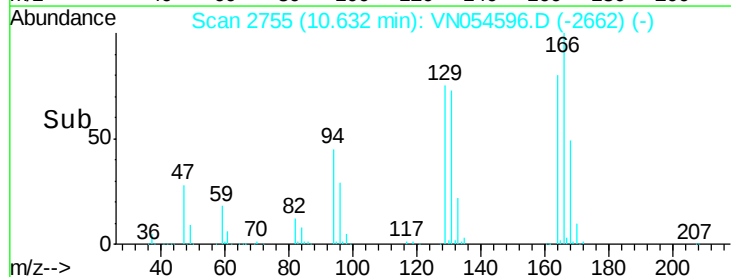
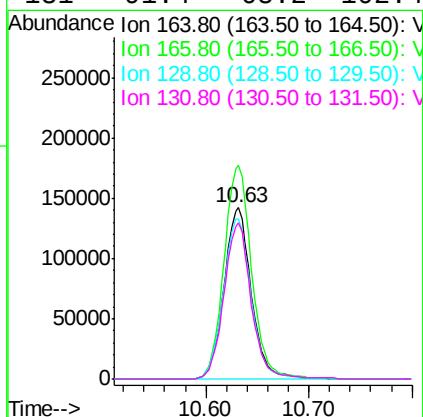
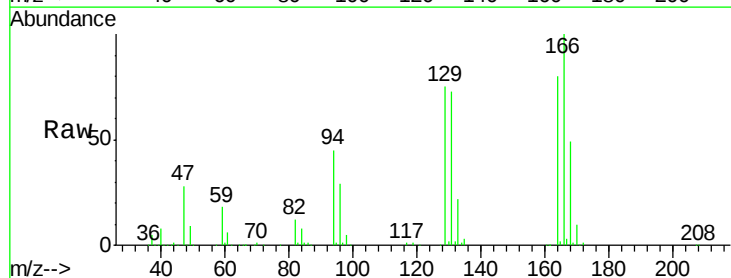
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

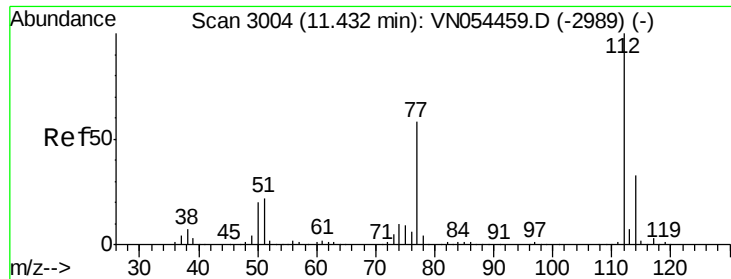
Tot Ion:117 Resp: 651694
Ion Ratio Lower Upper
117 100
82 55.7 40.0 60.0
119 32.7 25.8 38.6



#64
Tetrachloroethene
Concen: 48.741 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion:164 Resp: 263472
Ion Ratio Lower Upper
164 100
166 124.7 103.9 155.9
129 93.4 71.1 106.7
131 91.4 68.2 102.4

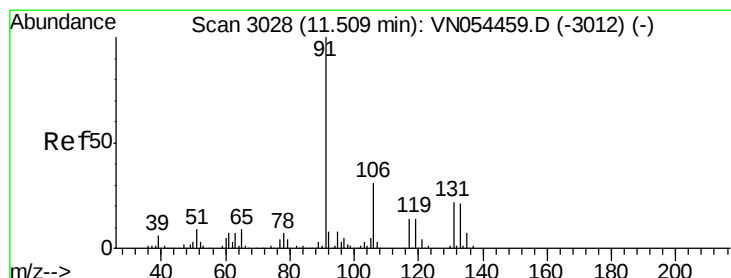
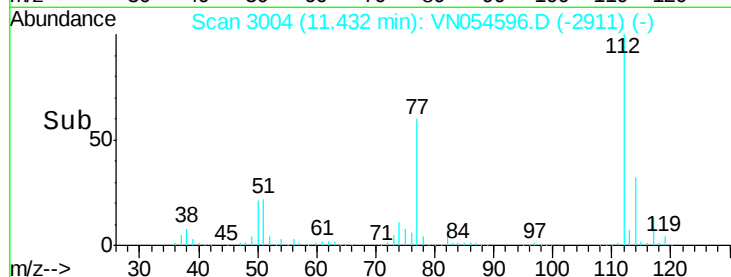
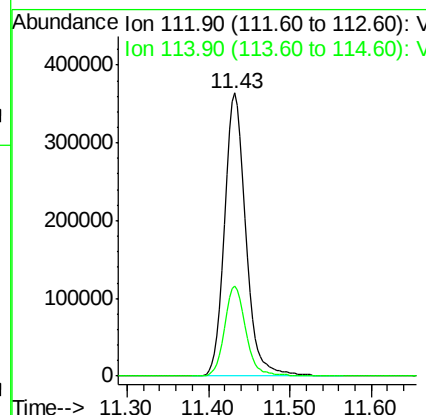
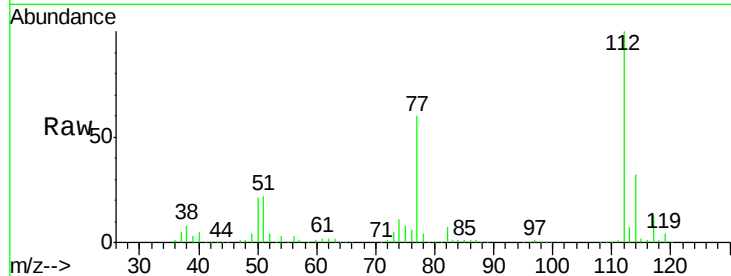




#65
Chlorobenzene
Concen: 50.986 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

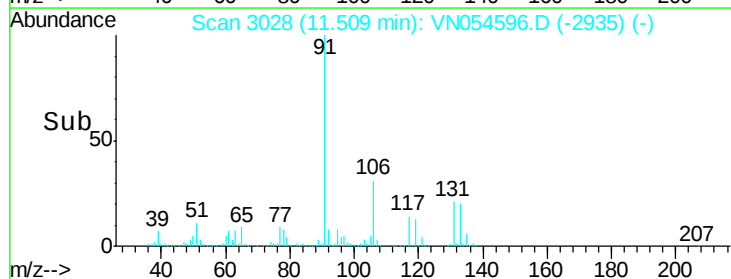
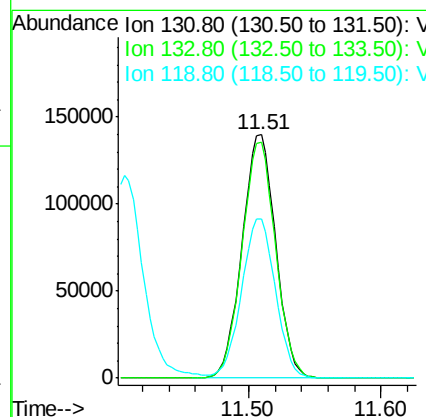
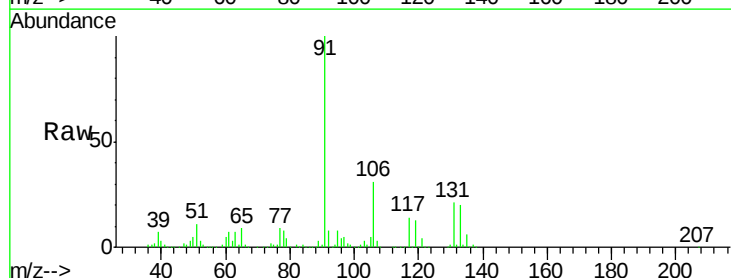
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

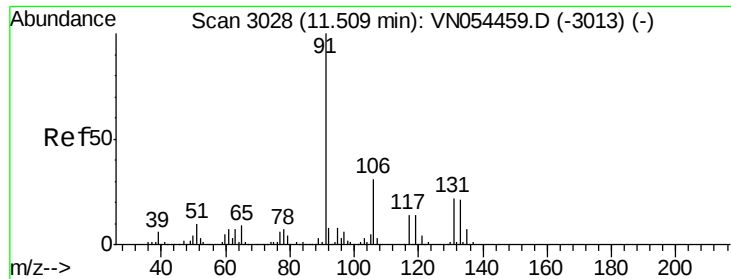
Tot Ion:112 Resp: 675805
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.679 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion:131 Resp: 245863
Ion Ratio Lower Upper
131 100
133 96.9 47.6 142.9
119 66.2 32.4 97.0

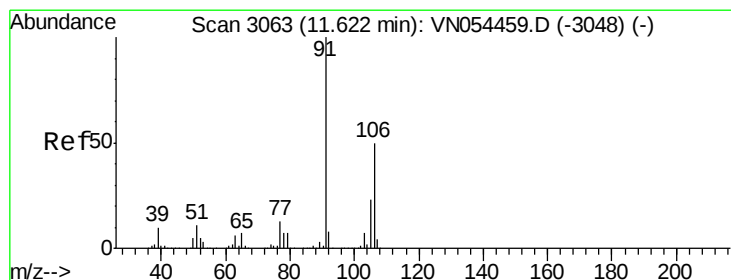
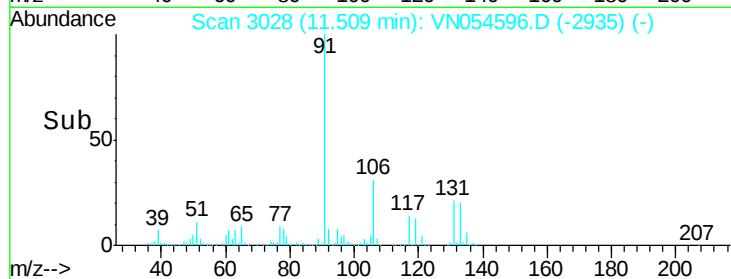
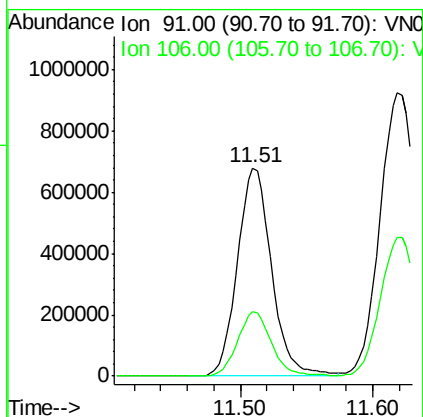
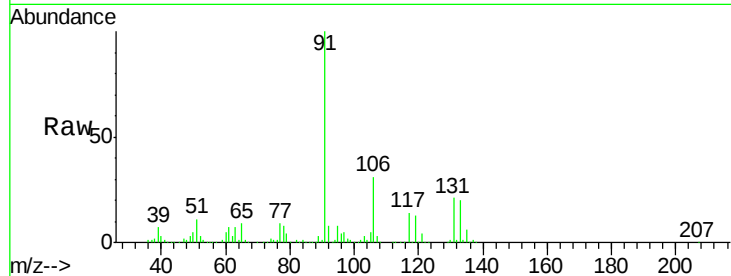




#67
Ethyl Benzene
Concen: 51.863 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

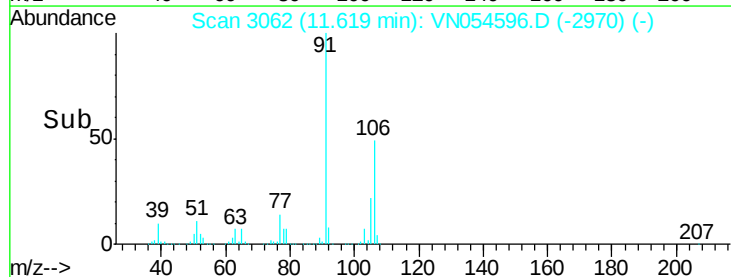
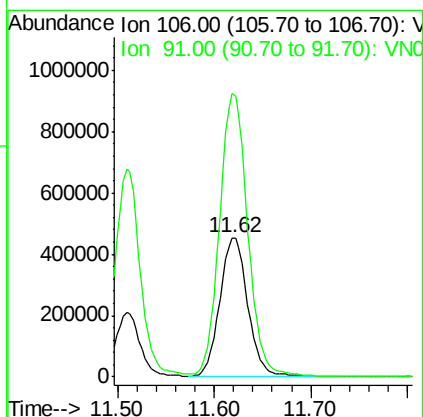
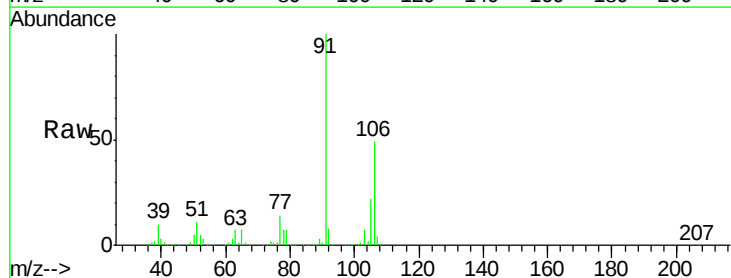
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

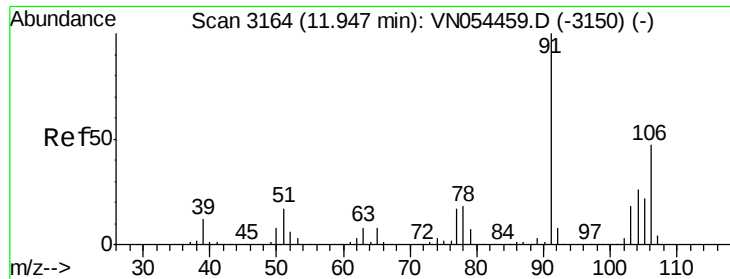
Tot Ion: 91 Resp: 1214292
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3



#68
m/p-Xylenes
Concen: 103.254 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion: 106 Resp: 915705
Ion Ratio Lower Upper
106 100
91 205.0 159.4 239.2

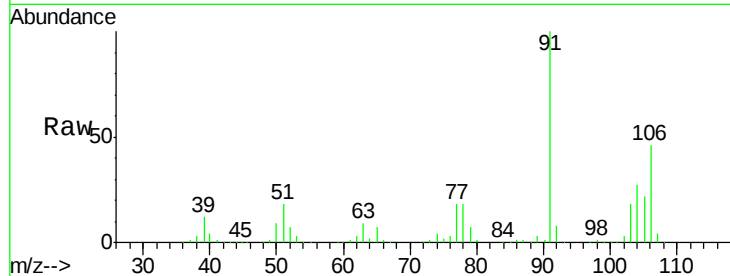




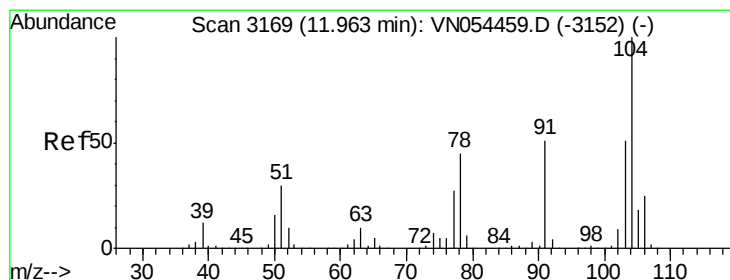
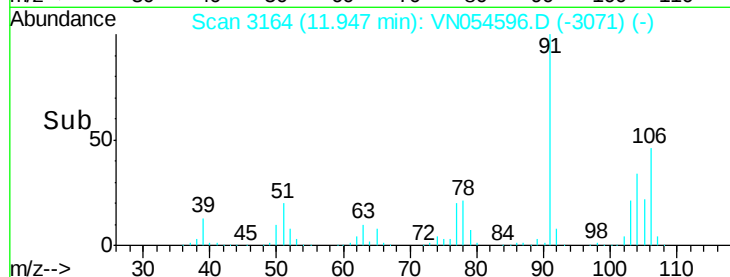
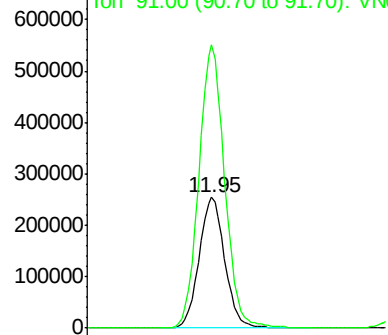
#69
o-Xylene
Concen: 51.015 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 441841
Ion Ratio Lower Upper
106 100
91 216.7 105.7 317.1

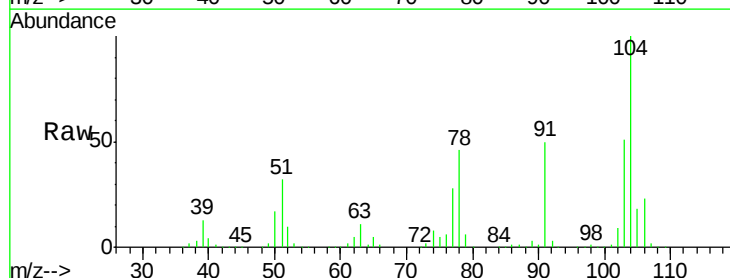


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

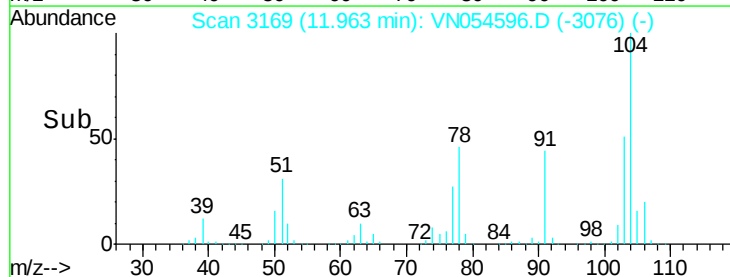
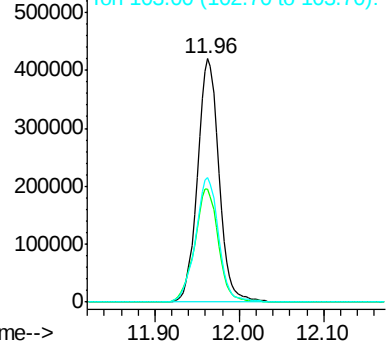


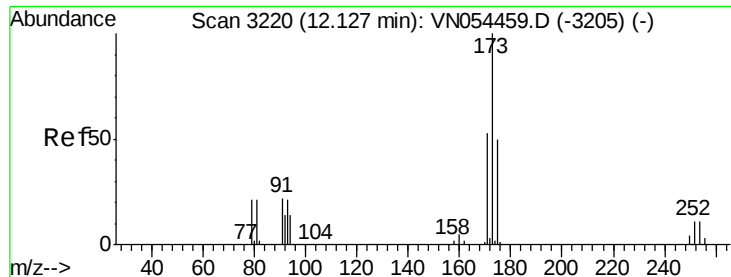
#70
Styrene
Concen: 52.603 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion:104 Resp: 739847
Ion Ratio Lower Upper
104 100
78 51.4 38.2 57.2
103 55.2 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 46.513 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

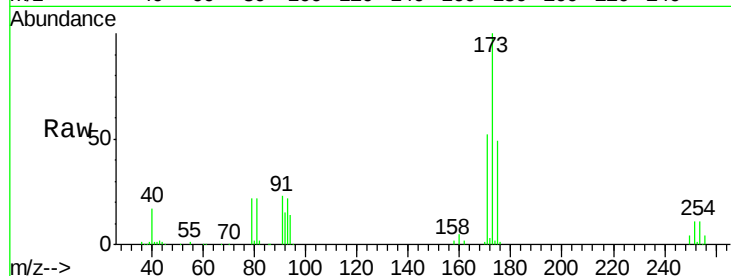
Tot Ion:173 Resp: 152029

Ion Ratio Lower Upper

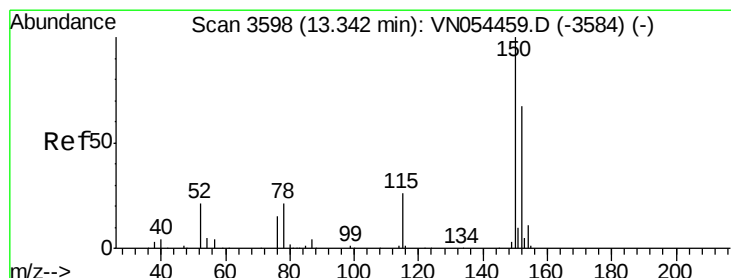
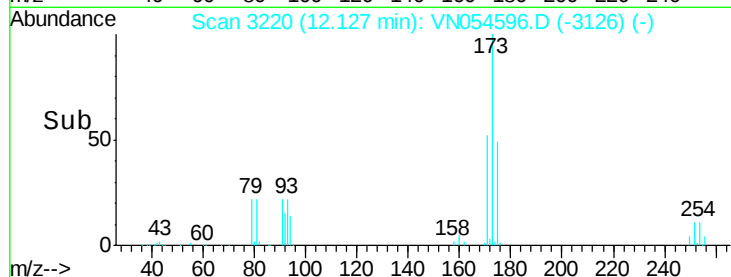
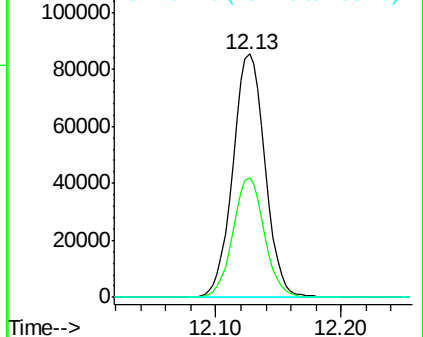
173 100

175 48.0 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: VN054596.D

Acq: 23 Mar 2019 11:14

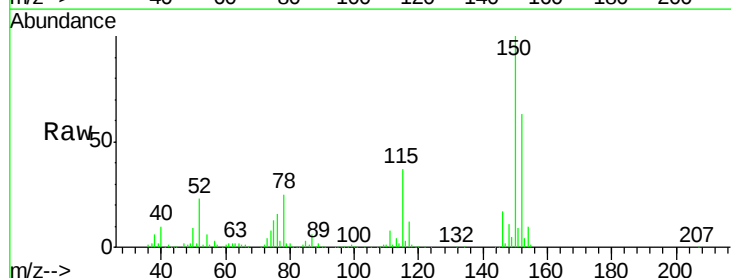
Tgt Ion:152 Resp: 300906

Ion Ratio Lower Upper

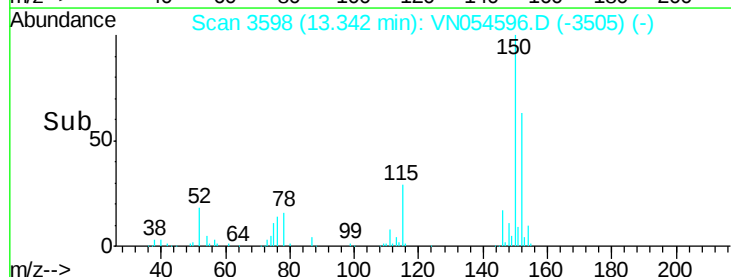
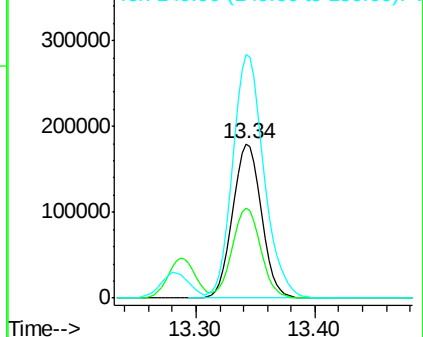
152 100

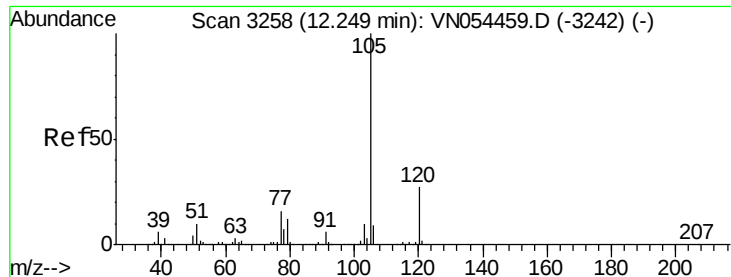
115 57.9 27.2 81.6

150 171.1 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: 48.445 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

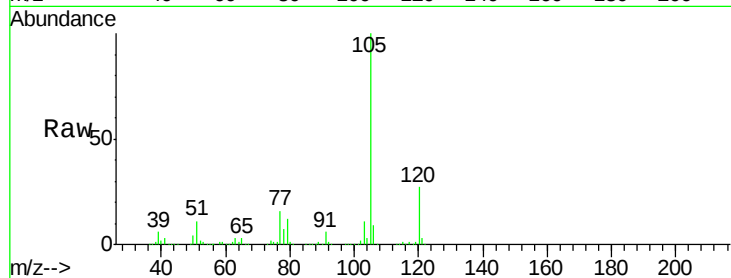
VSTDCCC050

Tot Ion:105 Resp: 1174670

Ion Ratio Lower Upper

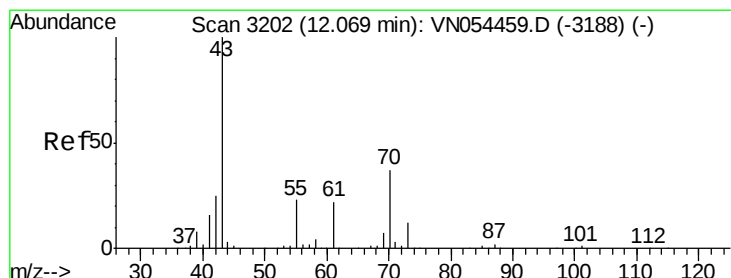
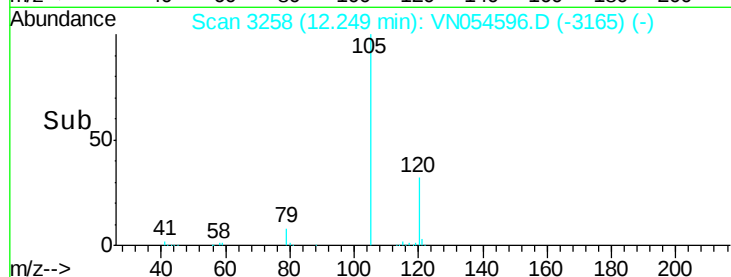
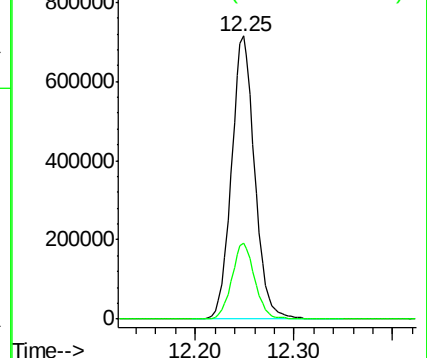
105 100

120 26.6 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: 58.046 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Tgt Ion: 43 Resp: 404702

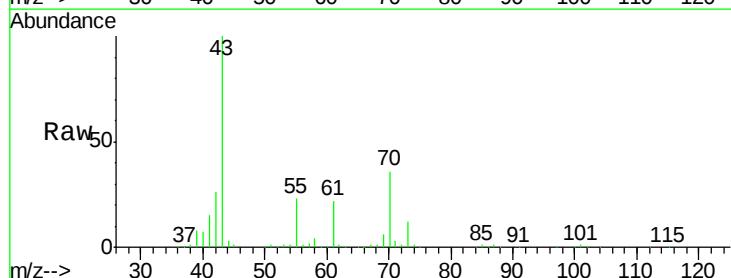
Ion Ratio Lower Upper

43 100

70 36.6 35.4 53.0

55 23.6 19.8 29.6

61 22.1 19.8 29.6

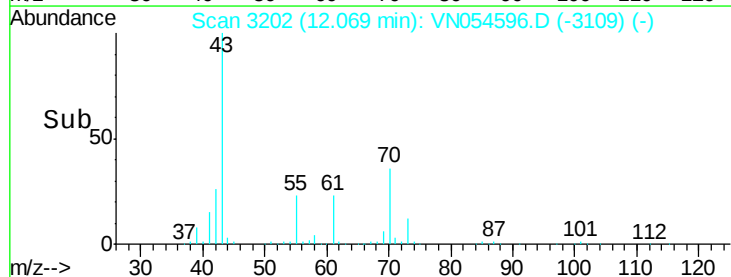
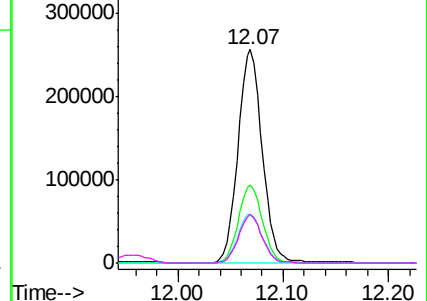


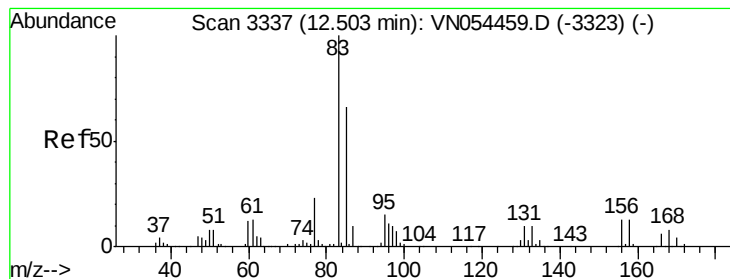
Abundance Ion 43.00 (42.70 to 43.70): V

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: 52.796 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

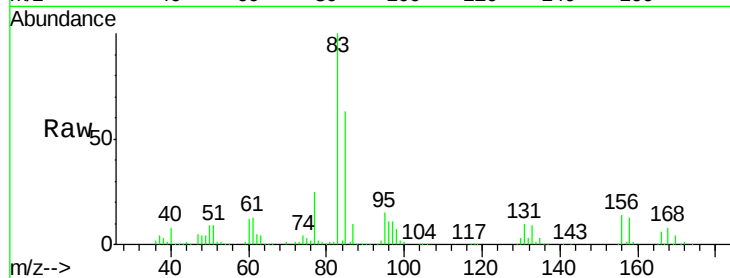
Tot Ion: 83 Resp: 292233

Ion Ratio Lower Upper

83 100

131 10.3 5.8 17.4

85 64.5 32.2 96.6

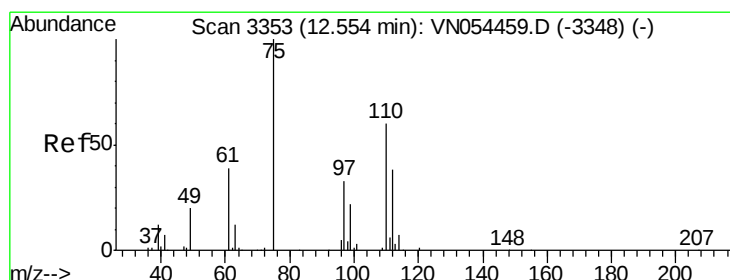
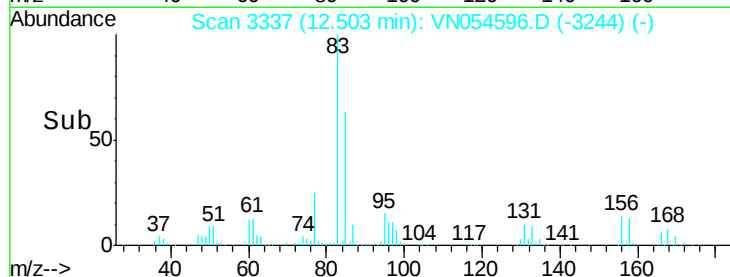


Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN054459.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-3323) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 73.894 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054596.D

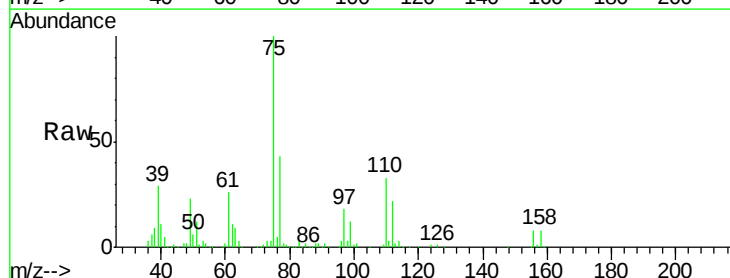
Acq: 23 Mar 2019 11:14

Tgt Ion: 75 Resp: 352840

Ion Ratio Lower Upper

75 100

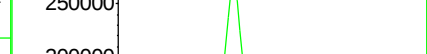
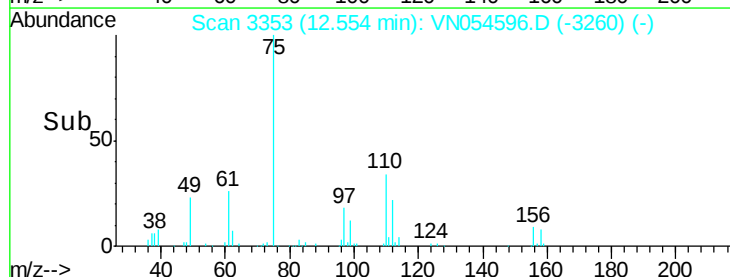
77 0.0 0.0 0.0

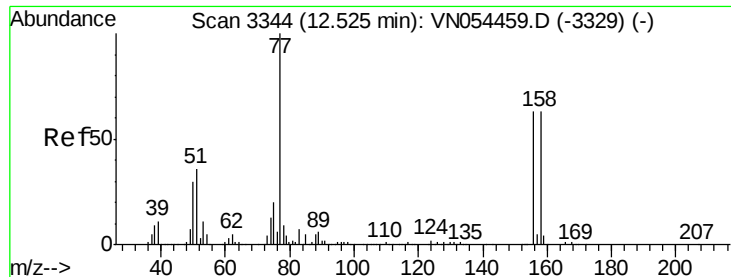


Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054459.D (-3348) (-)

Time-->





#77

Bromobenzene

Concen: 47.944 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

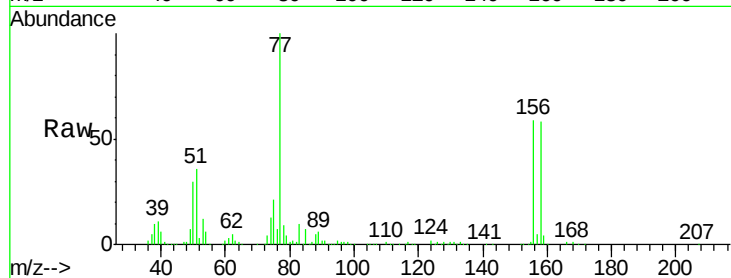
Tot Ion:156 Resp: 288325

Ion Ratio Lower Upper

156 100

77 195.5 81.5 244.4

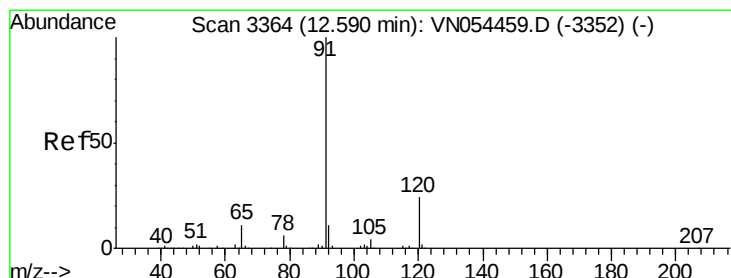
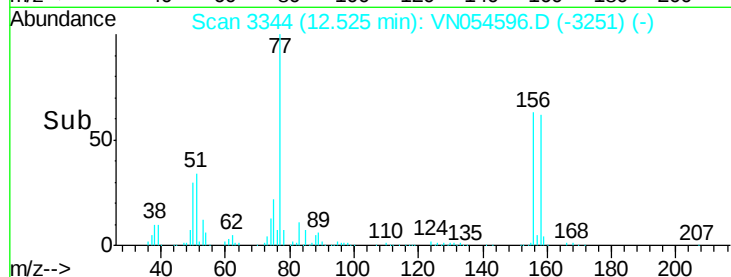
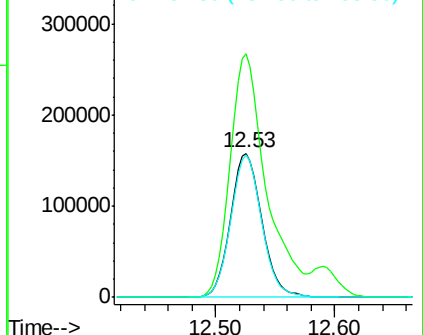
158 97.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.388 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054596.D

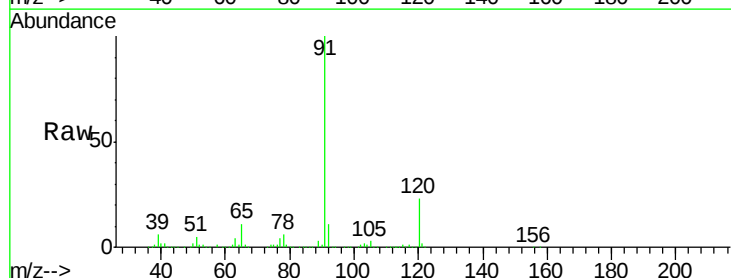
Acq: 23 Mar 2019 11:14

Tgt Ion: 91 Resp: 1324853

Ion Ratio Lower Upper

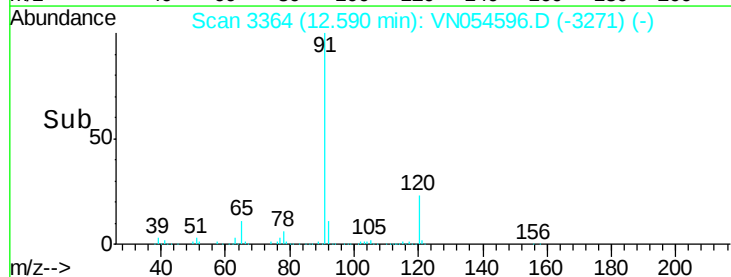
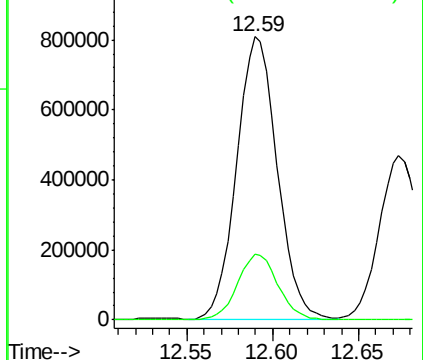
91 100

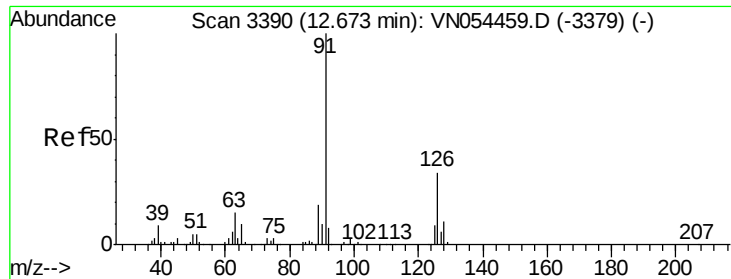
120 23.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.023 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

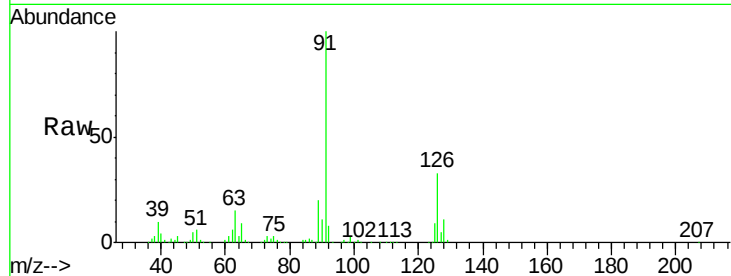
VSTDCCC050

Tot Ion: 91 Resp: 787393

Ion Ratio Lower Upper

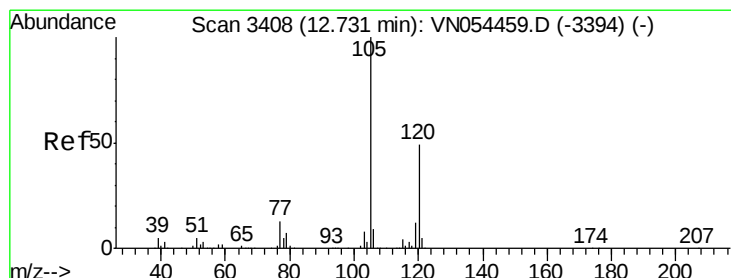
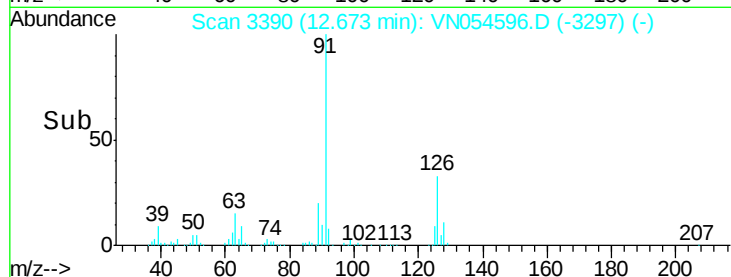
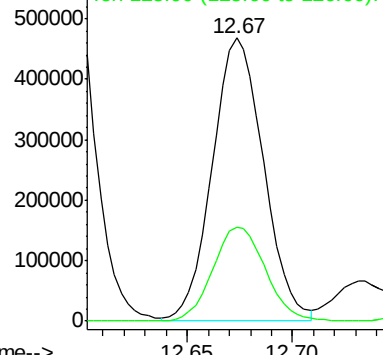
91 100

126 34.4 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.550 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054596.D

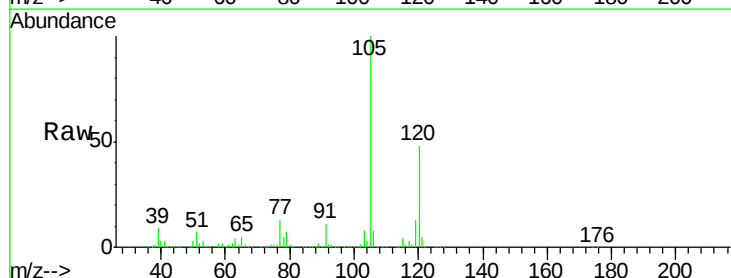
Acq: 23 Mar 2019 11:14

Tgt Ion:105 Resp: 984699

Ion Ratio Lower Upper

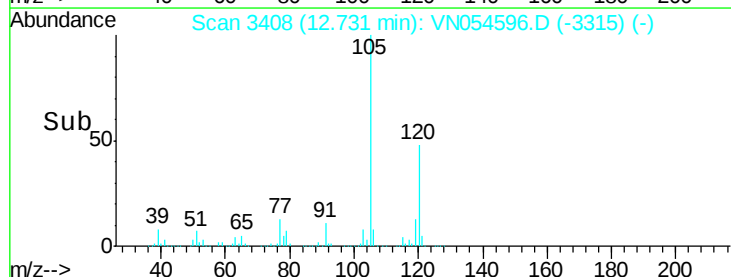
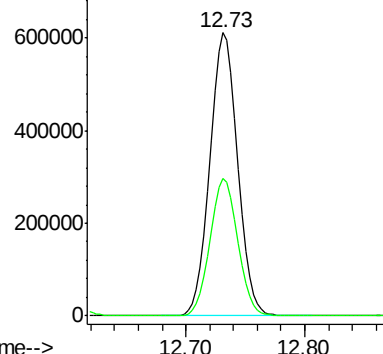
105 100

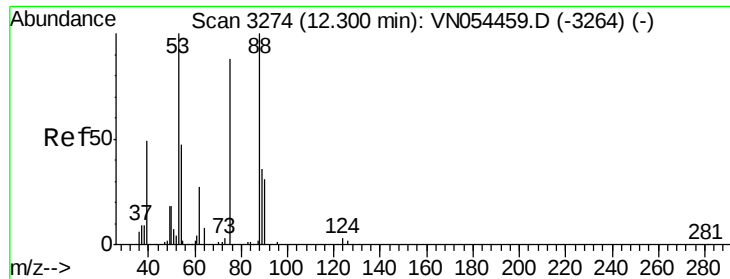
120 48.6 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

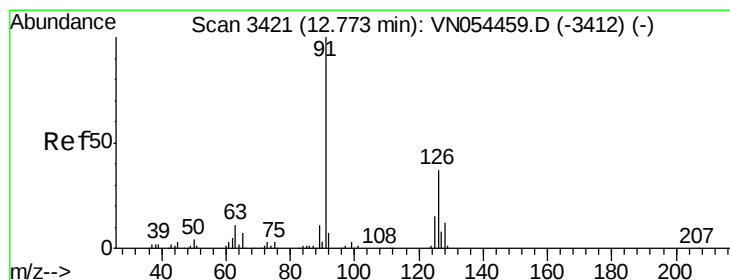
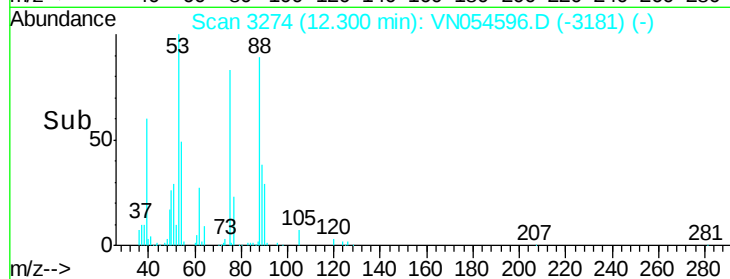
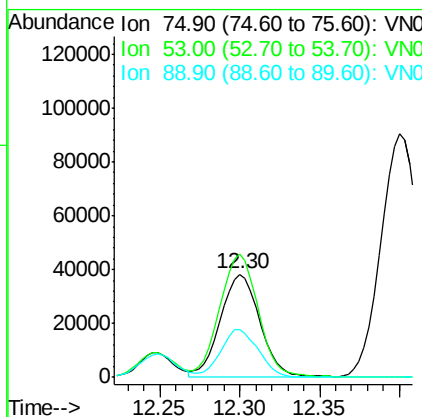
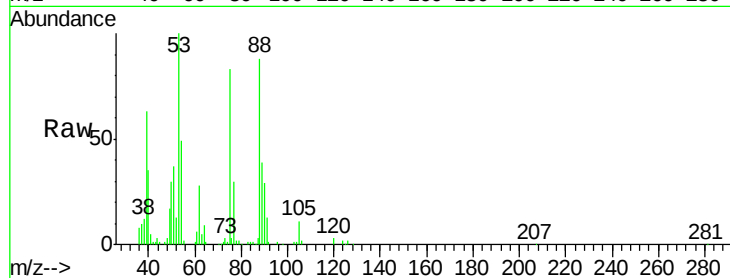




#81
trans-1,4-Dichloro-2-butene
Concen: 45.948 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

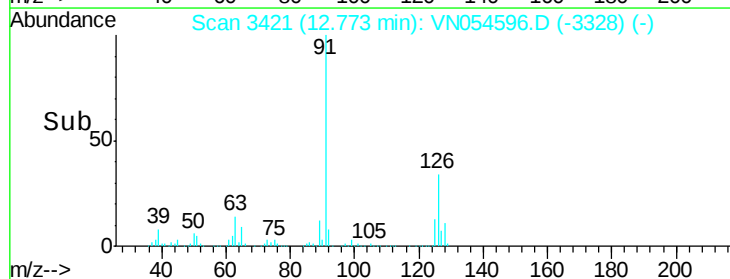
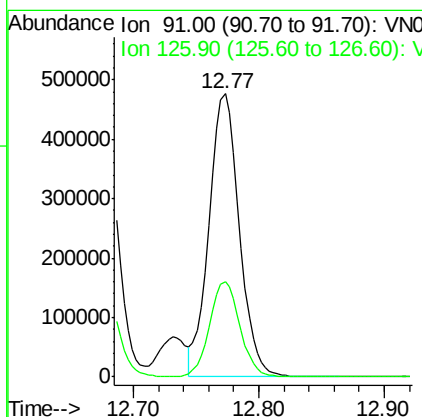
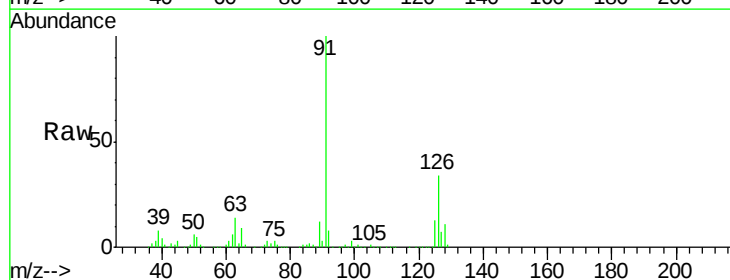
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

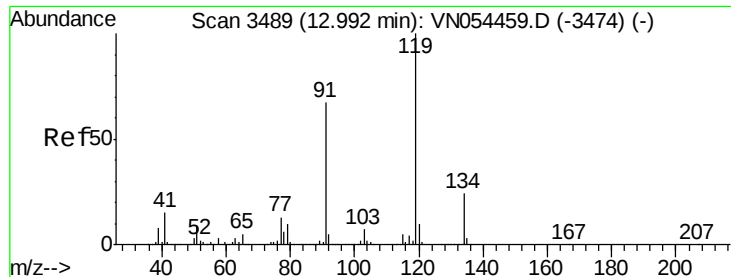
Tot Ion: 75 Resp: 63262
Ion Ratio Lower Upper
75 100
53 121.0 76.2 114.2#
89 46.3 39.2 58.8



#82
4-Chlorotoluene
Concen: 50.211 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054596.D
Acq: 23 Mar 2019 11:14

Tgt Ion: 91 Resp: 798015
Ion Ratio Lower Upper
91 100
126 33.8 18.1 54.1





#83

tert-Butylbenzene

Concen: 49.147 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

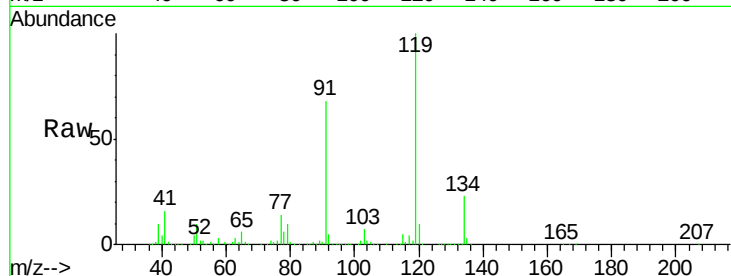
Tot Ion:119 Resp: 850158

Ion Ratio Lower Upper

119 100

91 64.8 30.9 92.8

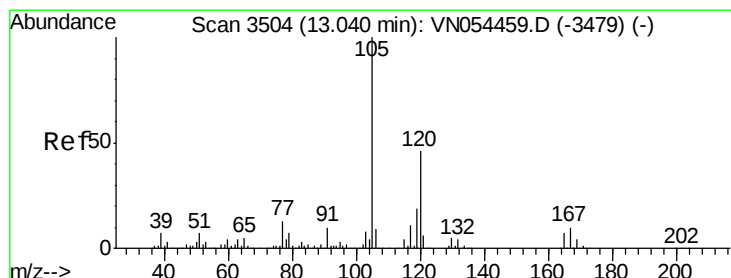
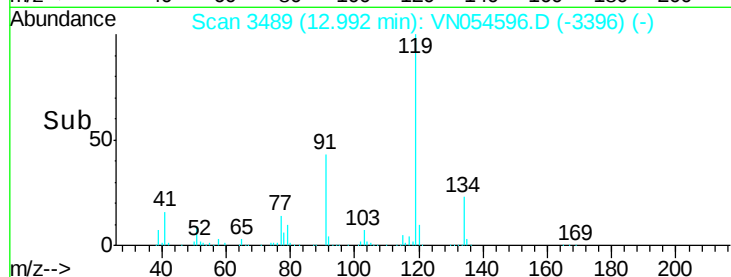
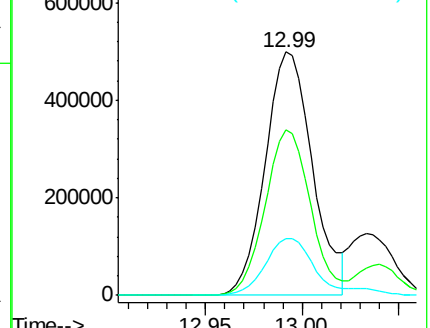
134 23.6 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.635 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054596.D

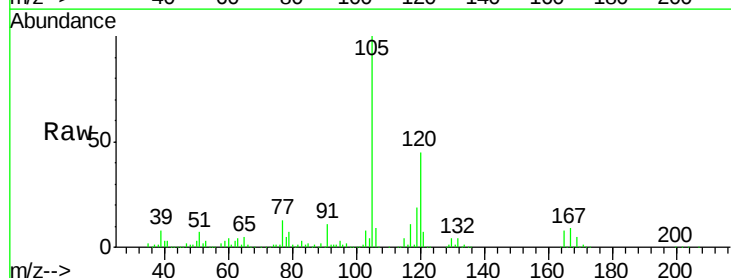
Acq: 23 Mar 2019 11:14

Tgt Ion:105 Resp: 967877

Ion Ratio Lower Upper

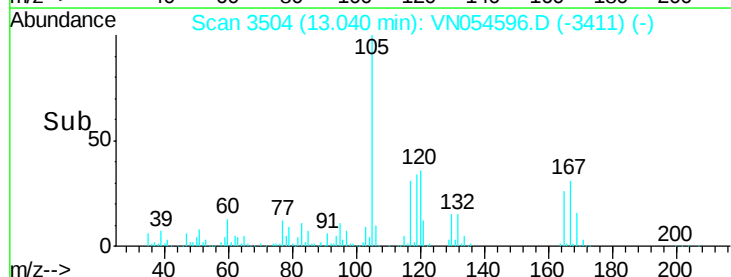
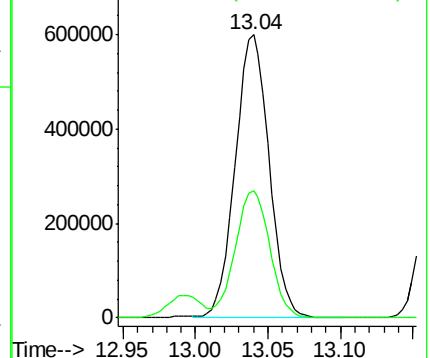
105 100

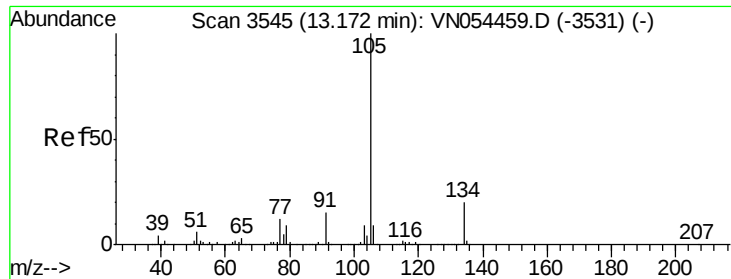
120 45.8 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.702 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

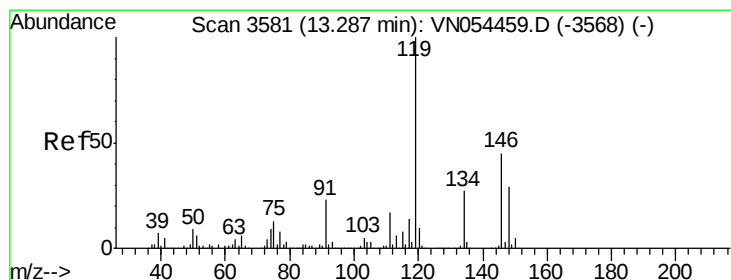
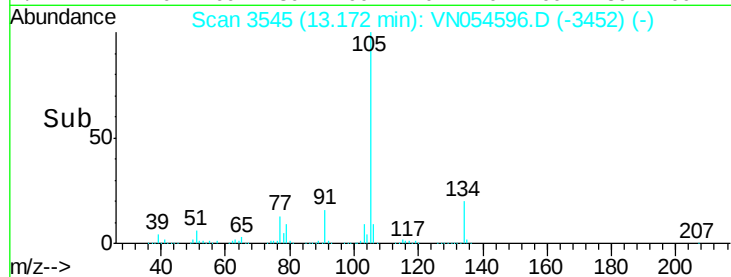
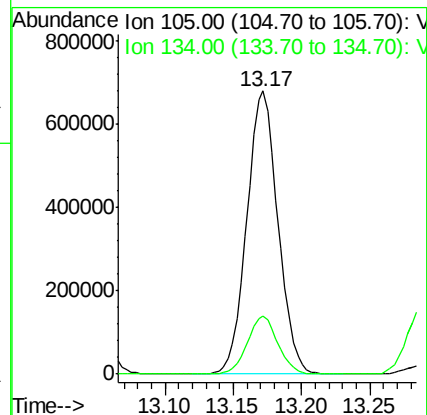
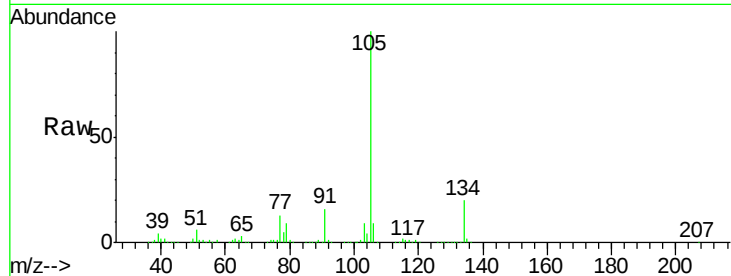
VSTDCCC050

Tot Ion:105 Resp: 1071771

Ion Ratio Lower Upper

105 100

134 20.3 10.7 32.1



#86

p-Isopropyltoluene

Concen: 50.340 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

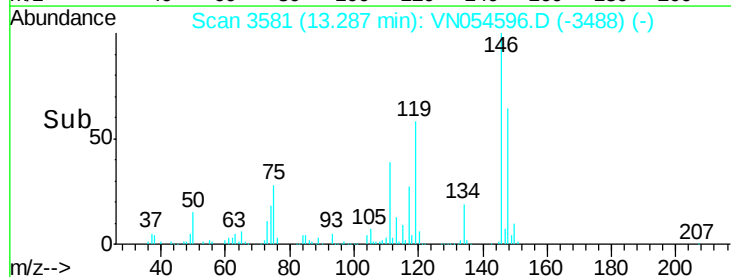
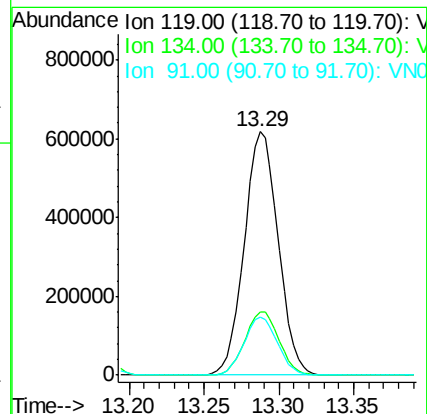
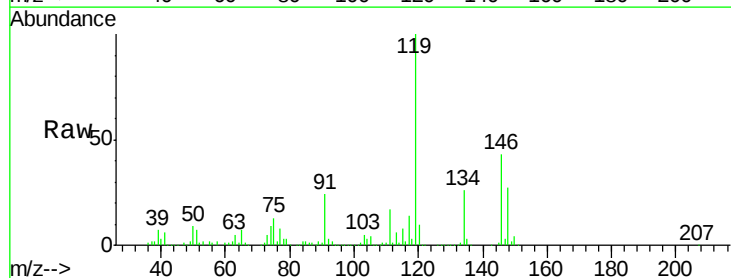
Tgt Ion:119 Resp: 971174

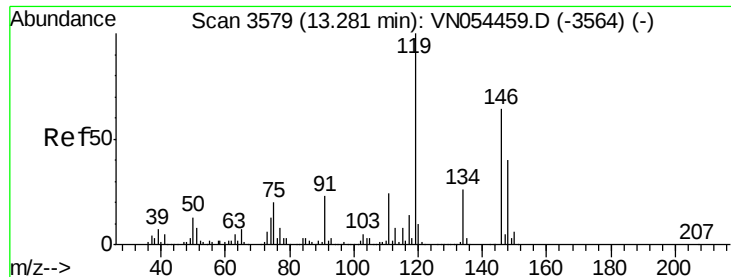
Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.8

91 23.7 11.1 33.3

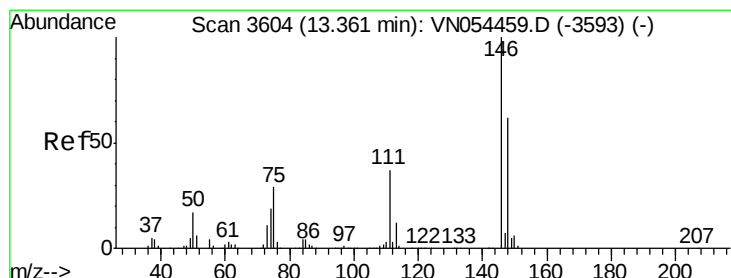
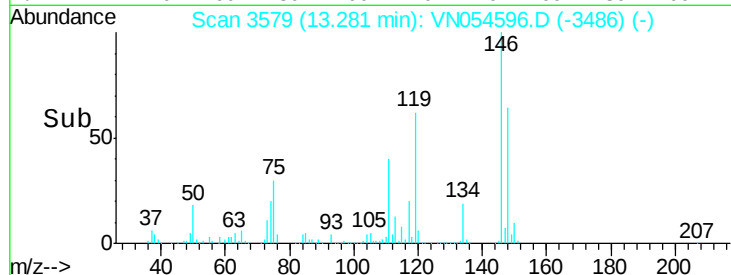
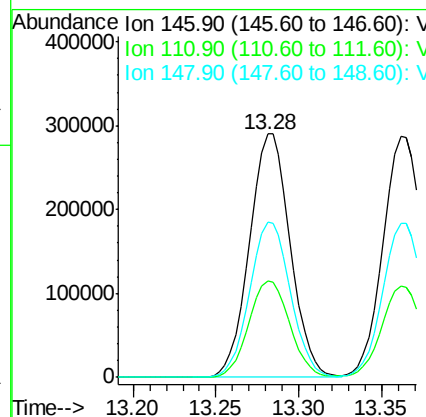
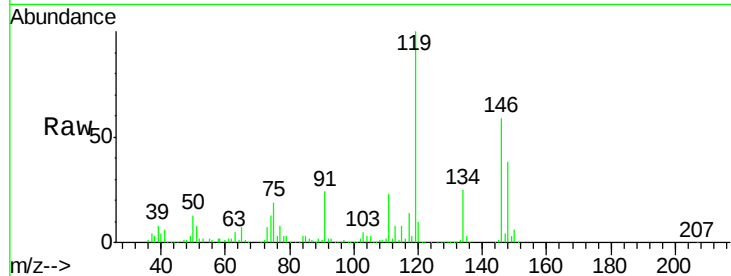




#87
 1,3-Dichlorobenzene
 Concen: 49.898 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

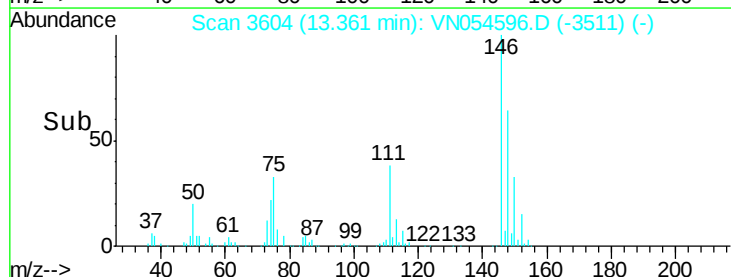
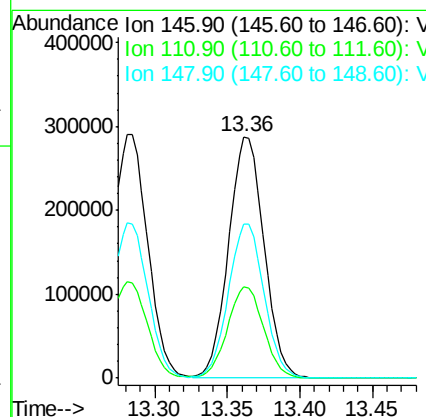
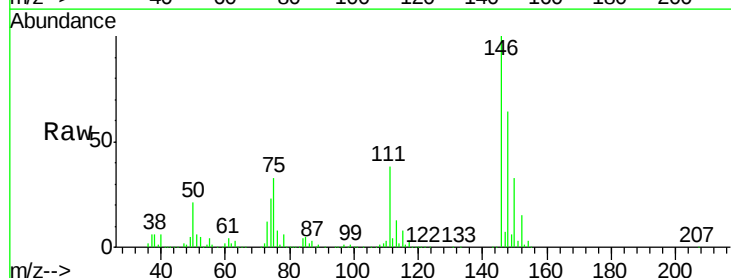
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

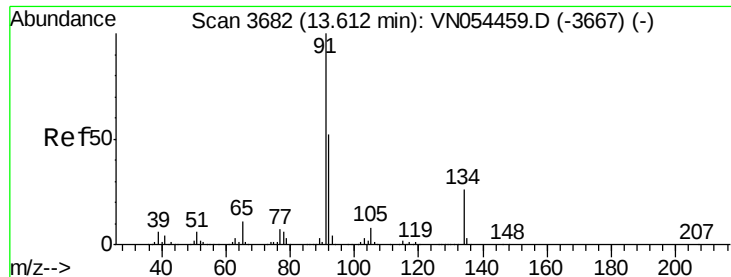
Tot Ion:146 Resp: 497272
 Ion Ratio Lower Upper
 146 100
 111 39.9 18.8 56.3
 148 63.9 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 50.154 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Tgt Ion:146 Resp: 486303
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.1 54.1
 148 64.4 32.0 96.0





#89

n-Butylbenzene

Concen: 54.285 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

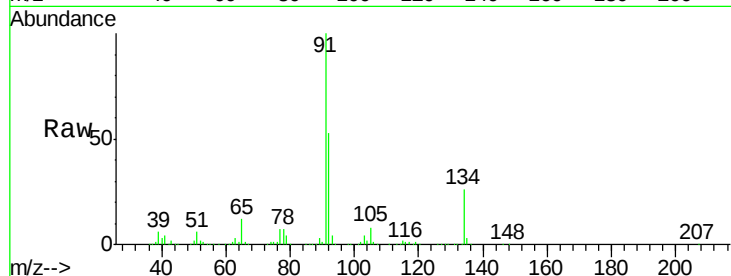
Tot Ion: 91 Resp: 818900

Ion Ratio Lower Upper

91 100

92 52.4 26.2 78.6

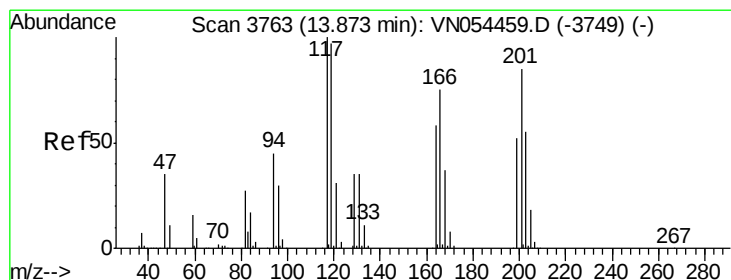
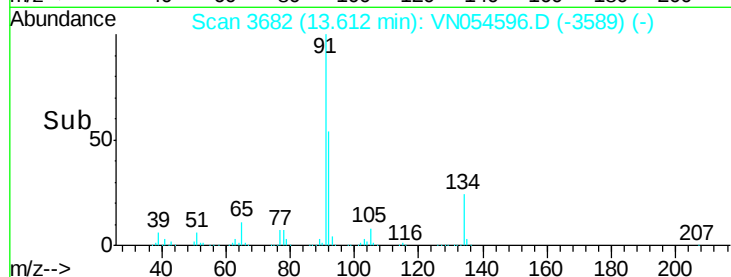
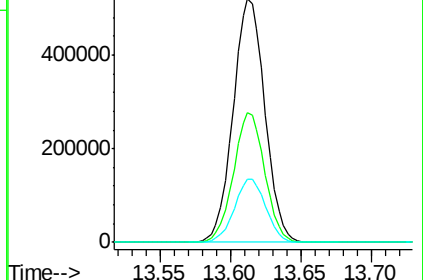
134 25.8 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)



#90

Hexachloroethane

Concen: 49.861 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054596.D

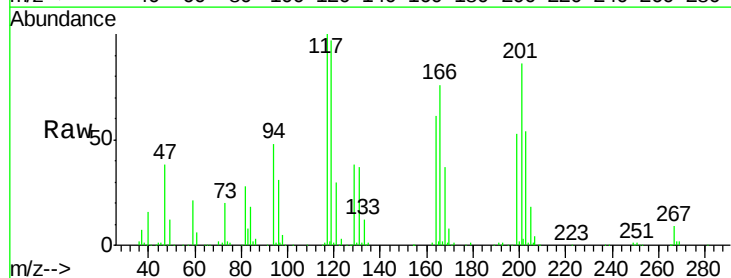
Acq: 23 Mar 2019 11:14

Tgt Ion: 117 Resp: 149315

Ion Ratio Lower Upper

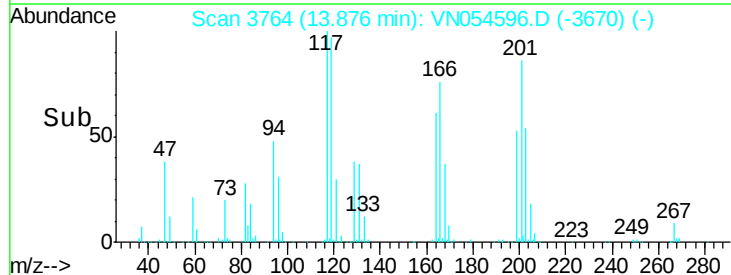
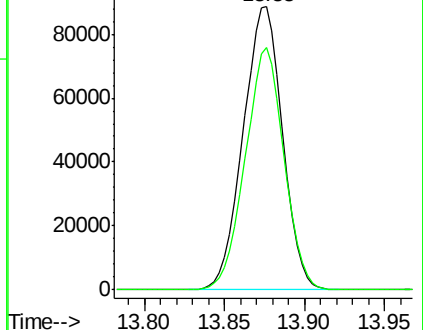
117 100

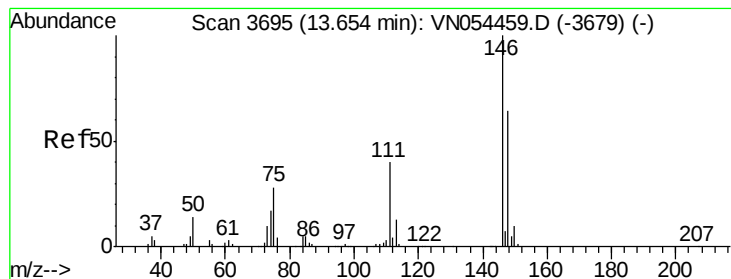
201 84.2 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 50.625 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

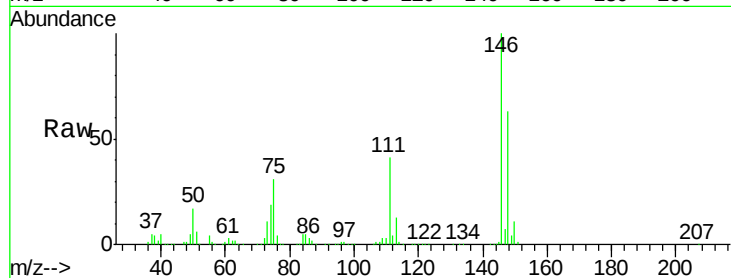
Tot Ion:146 Resp: 488668

Ion Ratio Lower Upper

146 100

111 41.6 19.1 57.3

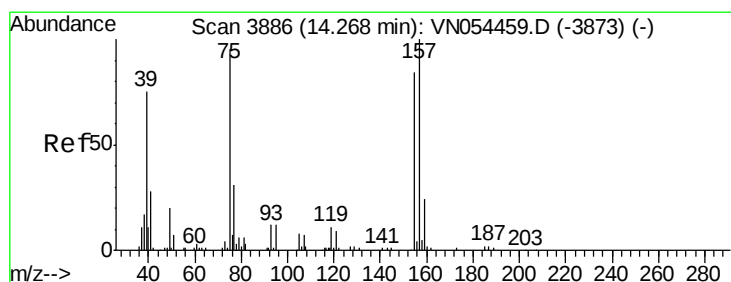
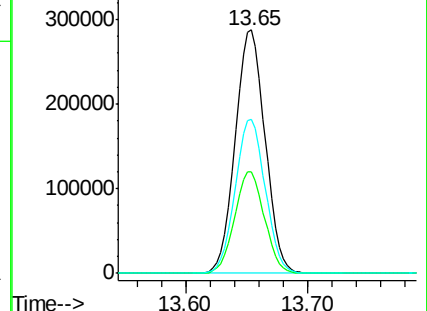
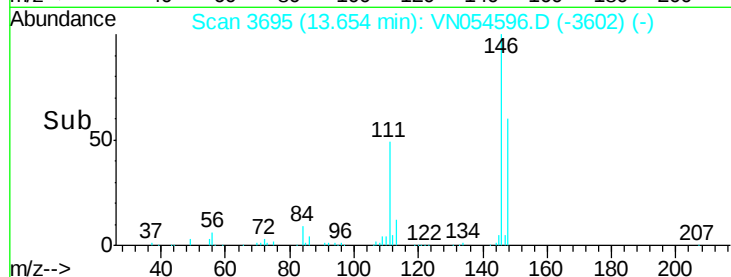
148 63.7 32.4 97.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.936 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

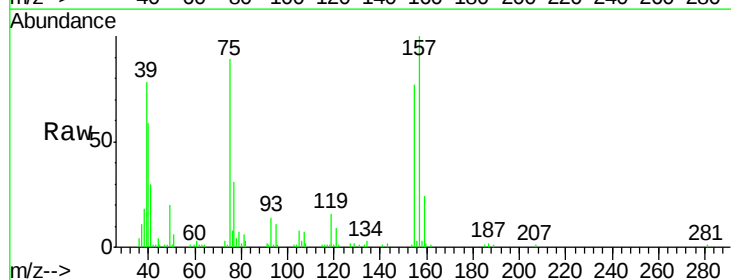
Tgt Ion: 75 Resp: 43789

Ion Ratio Lower Upper

75 100

155 84.9 50.1 150.3

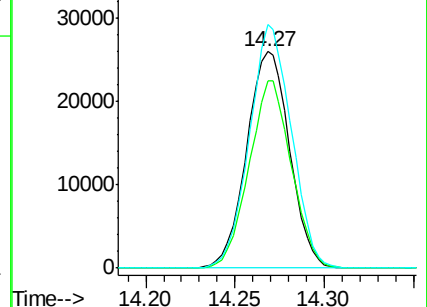
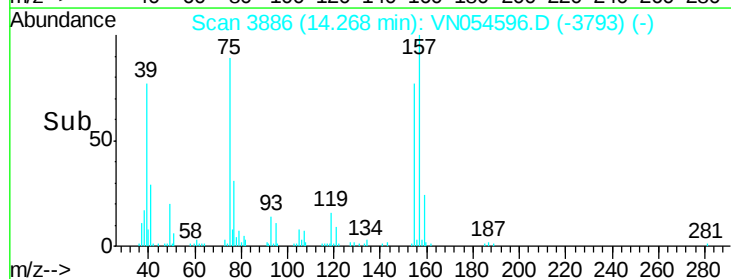
157 109.8 63.1 189.3

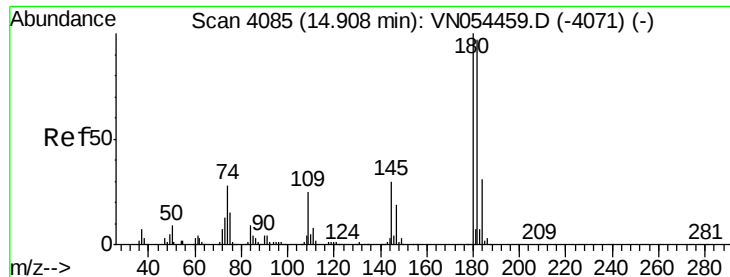


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

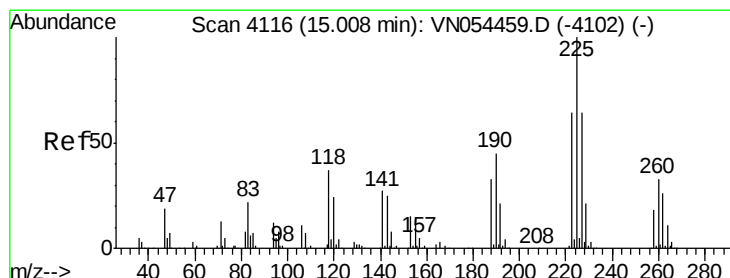
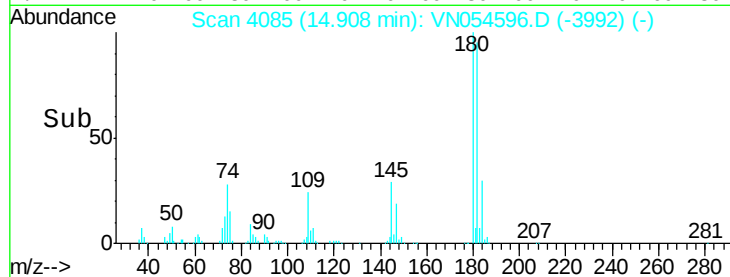
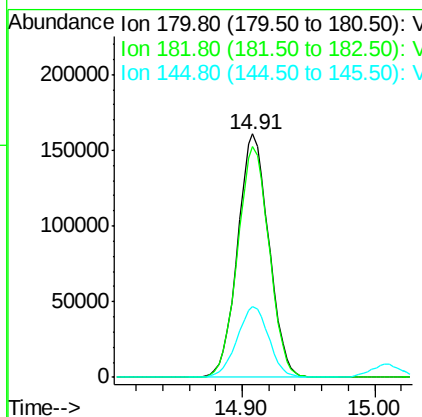
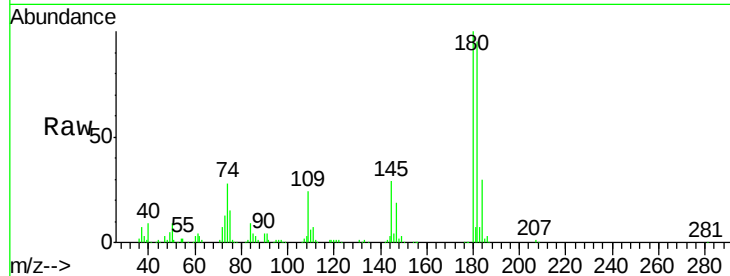




#93
 1,2,4-Trichlorobenzene
 Concen: 54.452 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

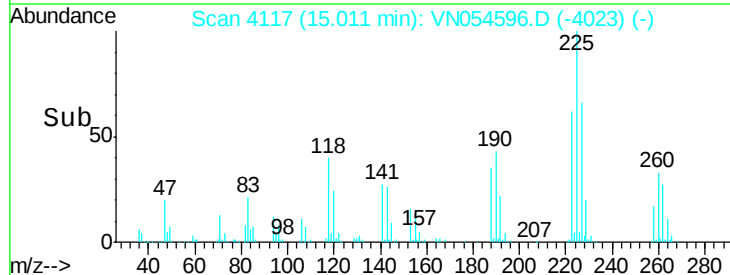
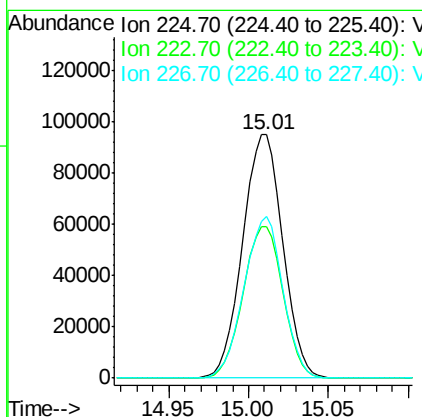
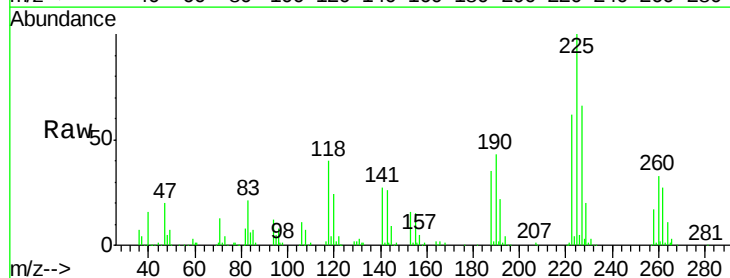
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

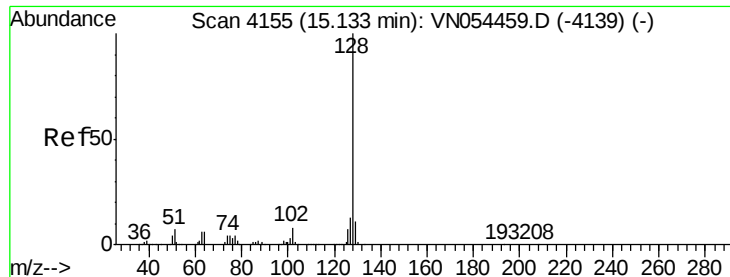
Tot Ion:180 Resp: 262018
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.0 144.2
 145 29.6 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 60.618 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054596.D
 Acq: 23 Mar 2019 11:14

Tgt Ion:225 Resp: 162463
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.5
 227 64.2 31.9 95.9





#95

Naphthalene

Concen: 55.324 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

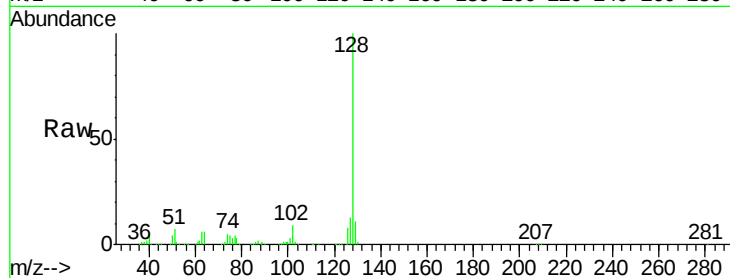
Tot Ion:128 Resp: 593810

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

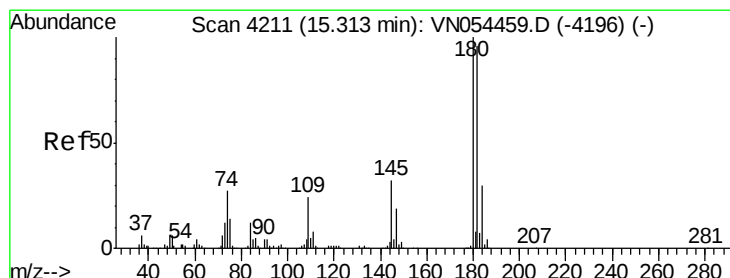
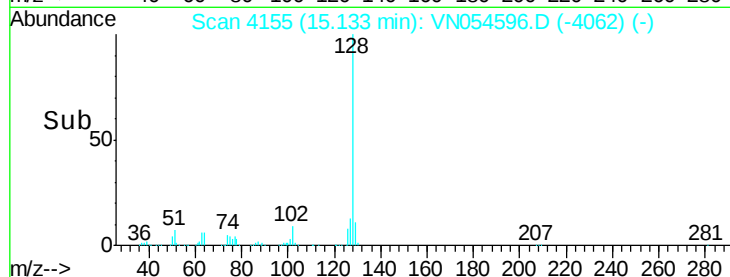
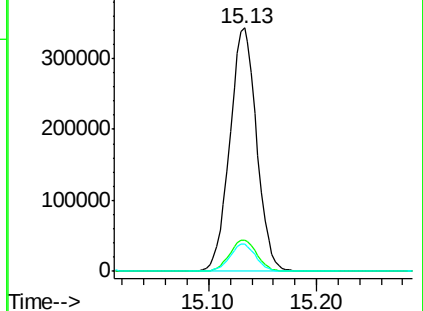
129 10.9 8.7 13.1



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: 53.571 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054596.D

Acq: 23 Mar 2019 11:14

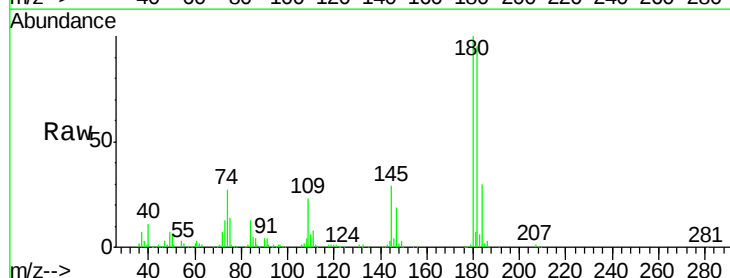
Tgt Ion:180 Resp: 256560

Ion Ratio Lower Upper

180 100

182 96.2 47.5 142.6

145 30.2 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

