

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054569.D
 Acq On : 22 Mar 2019 20:22
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 23 02:34:57 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	457431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	746841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	637885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	273202	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	314143	55.21	ug/l	0.00
Spiked Amount			Recovery	=	110.42%	
35) Dibromofluoromethane	7.59	113	246177	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
50) Toluene-d8	10.09	98	896942	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	302717	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	220773	50.486	ug/l	98
3) Chloromethane	2.06	50	298710	50.206	ug/l	98
4) Vinyl Chloride	2.19	62	292721	49.003	ug/l	100
5) Bromomethane	2.57	94	165849	42.937	ug/l	94
6) Chloroethane	2.71	64	163905	45.746	ug/l	99
7) Trichlorofluoromethane	3.02	101	363635	50.127	ug/l	97
8) Diethyl Ether	3.41	74	126643	45.392	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	188587	44.234	ug/l	95
10) Methyl Iodide	3.94	142	284879	45.425	ug/l #	90
11) Tert butyl alcohol	4.82	59	88406	256.645	ug/l	100
12) 1,1-Dichloroethene	3.73	96	191949	43.505	ug/l #	77
13) Acrolein	3.61	56	120977	254.491	ug/l	100
14) Allyl chloride	4.32	41	442930	53.312	ug/l #	92
15) Acrylonitrile	5.00	53	487435	284.149	ug/l	100
16) Acetone	3.82	43	358859	209.784	ug/l #	82
17) Carbon Disulfide	4.04	76	542378	45.880	ug/l	99
18) Methyl Acetate	4.33	43	215235	56.451	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	680811	52.873	ug/l	94
20) Methylene Chloride	4.54	84	255422	50.653	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	237072	52.621	ug/l	88
22) Diisopropyl ether	5.96	45	919104	56.084	ug/l #	95
23) Vinyl Acetate	5.90	43	3347365	289.209	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	483580	54.804	ug/l	97
25) 2-Butanone	6.85	43	607815	277.377	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	310891	49.426	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	274994	51.174	ug/l	87
28) Bromochloromethane	7.20	49	238613	54.939	ug/l #	73
29) Tetrahydrofuran	7.22	42	415656	292.302	ug/l #	84
30) Chloroform	7.37	83	468622	54.420	ug/l	100
31) Cyclohexane	7.65	56	437496	51.811	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	389871	54.878	ug/l	95
36) 1,1-Dichloropropene	7.79	75	345754	49.514	ug/l	96
37) Ethyl Acetate	6.94	43	279194	56.215	ug/l	96
38) Carbon Tetrachloride	7.77	117	334291	49.262	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	368805	46.171	ug/l	90
40) Benzene	8.04	78	1031364	51.650	ug/l	98
41) Methacrylonitrile	7.18	41	162574	53.675	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	375274	51.605	ug/l	97
43) Isopropyl Acetate	8.17	43	466967	55.672	ug/l #	93
44) Trichloroethene	8.83	130	266433	47.992	ug/l	93
45) 1,2-Dichloropropane	9.12	63	292219	54.499	ug/l	98
46) Dibromomethane	9.21	93	167702	52.427	ug/l	89
47) Bromodichloromethane	9.40	83	355181	53.502	ug/l	96
48) Methyl methacrylate	9.20	41	243883	53.570	ug/l	87
49) 1,4-Dioxane	9.20	88	49884	980.127	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	1309740	281.751	ug/l	93
52) Toluene	10.16	92	614722	50.053	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	332805	47.634	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	405842	53.317	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	229829	52.060	ug/l	96
56) Ethyl methacrylate	10.43	69	314410	53.061	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	406889	53.020	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	613867	251.588	ug/l	90
59) 2-Hexanone	10.75	43	809343	266.548	ug/l	92
60) Dibromochloromethane	10.90	129	251184	53.470	ug/l	98
61) 1,2-Dibromoethane	11.01	107	226746	51.952	ug/l	97
64) Tetrachloroethene	10.63	164	256419	48.463	ug/l	96
65) Chlorobenzene	11.43	112	644255	49.658	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	249029	53.477	ug/l	99
67) Ethyl Benzene	11.51	91	1147252	50.060	ug/l	98
68) m/p-Xylenes	11.62	106	847805	97.667	ug/l	95
69) o-Xylene	11.95	106	419191	49.448	ug/l	97
70) Styrene	11.96	104	689807	50.107	ug/l	97
71) Bromoform	12.13	173	149814	46.813	ug/l #	99
73) Isopropylbenzene	12.25	105	1093487	49.670	ug/l	98
74) N-amyl acetate	12.07	43	359370	56.771	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	276822	55.083	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	331835	76.543	ug/l #	100
77) Bromobenzene	12.53	156	272125	49.839	ug/l	86
78) n-propylbenzene	12.59	91	1191771	49.923	ug/l	97
79) 2-Chlorotoluene	12.68	91	733000	49.239	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	885720	49.089	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	59782	47.694	ug/l #	80
82) 4-Chlorotoluene	12.77	91	726843	50.371	ug/l	95
83) tert-Butylbenzene	12.99	119	773562	49.253	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	872236	49.266	ug/l	98
85) sec-Butylbenzene	13.17	105	938655	47.943	ug/l	98
86) p-Isopropyltoluene	13.29	119	846336	48.318	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	447150	49.419	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	426582	48.456	ug/l	98
89) n-Butylbenzene	13.62	91	665617	48.598	ug/l	98
90) Hexachloroethane	13.88	117	140208	51.568	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	441161	50.338	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40939	55.539	ug/l	84

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Quant Title : SW846 8260
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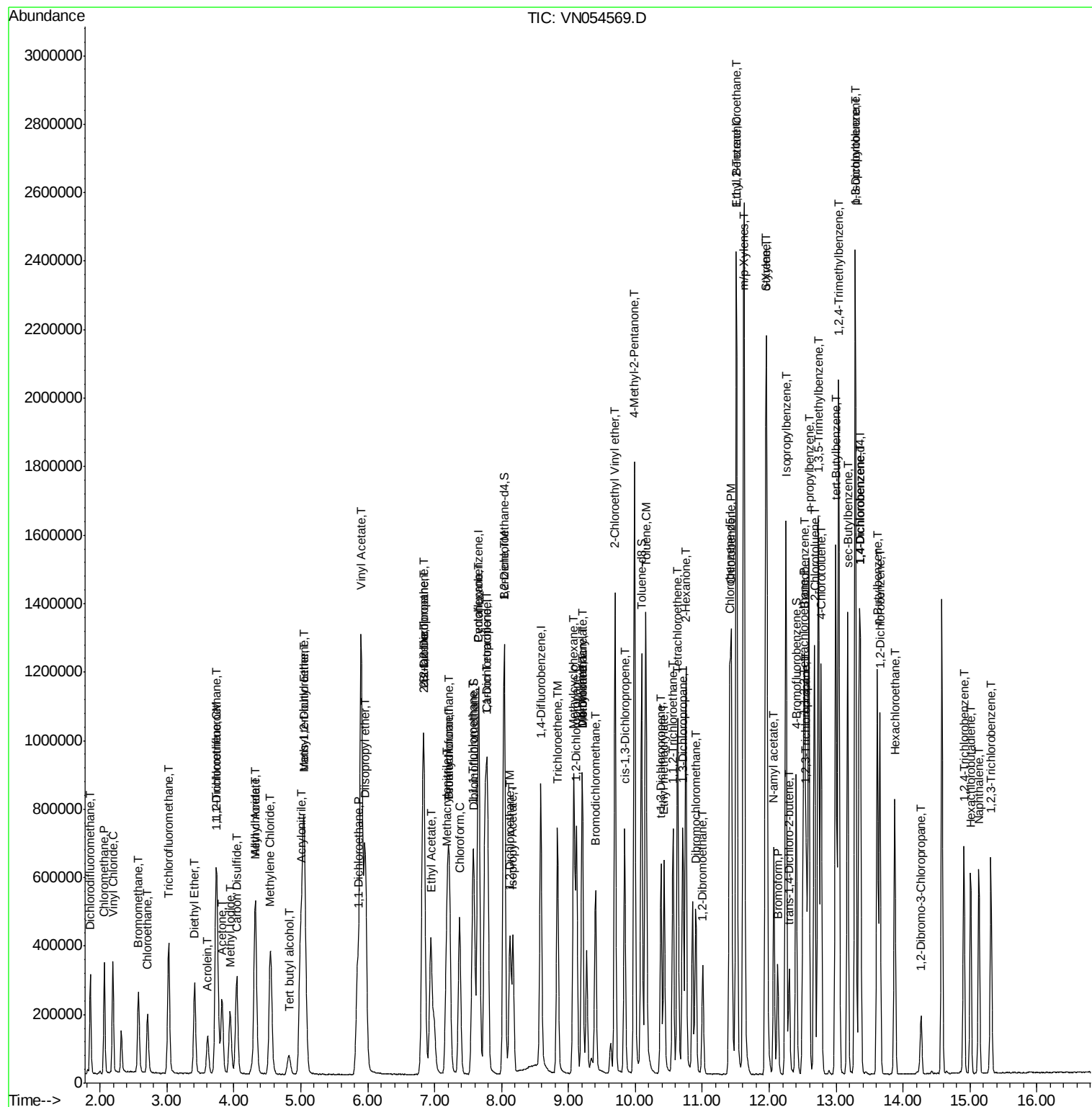
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	212802	48.708	ug/l	100
94) Hexachlorobutadiene	15.01	225	121512	49.477	ug/l	97
95) Naphthalene	15.13	128	503887	51.707	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	218176	50.175	ug/l	99

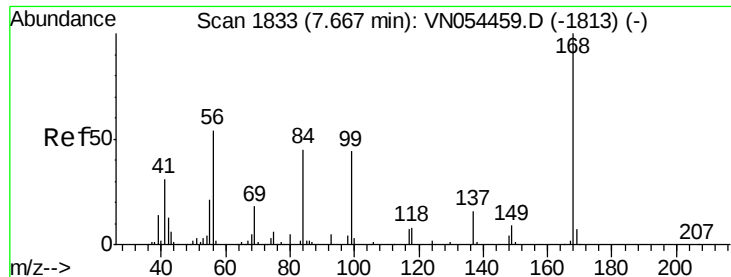
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

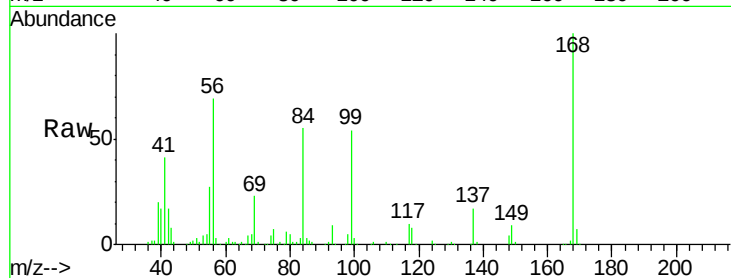
VSTDCCC050EC

Tot Ion:168 Resp: 457431

Ion Ratio Lower Upper

168 100

99 54.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

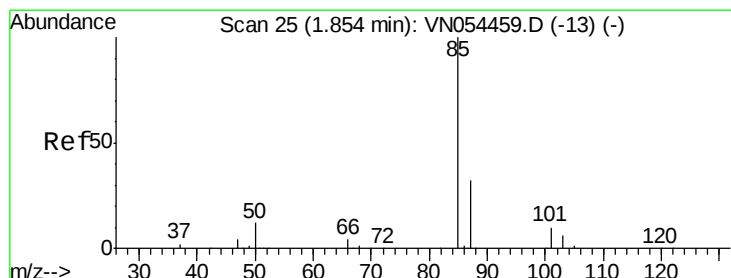
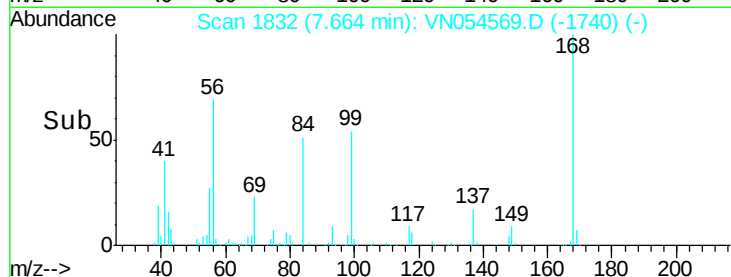
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.486 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054569.D

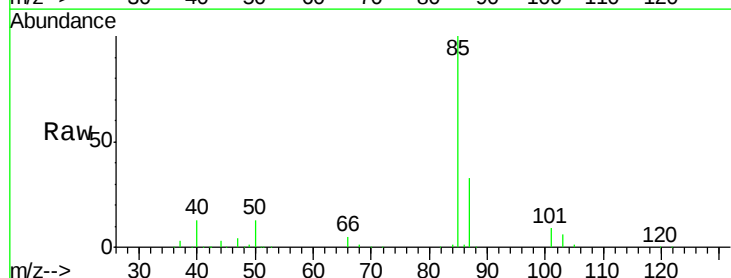
Acq: 22 Mar 2019 20:22

Tgt Ion: 85 Resp: 220773

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

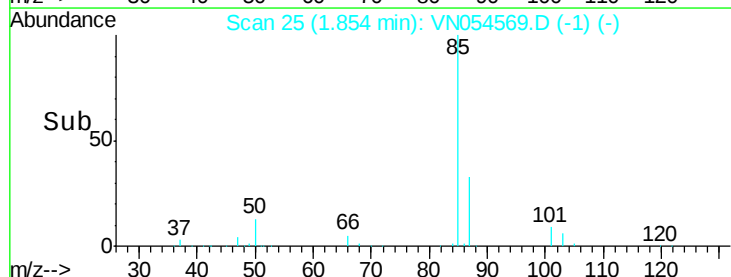
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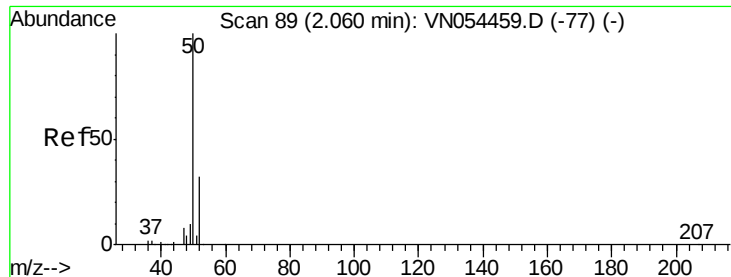
100000

50000

0

Time-->





#3

Chloromethane

Concen: 50.206 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

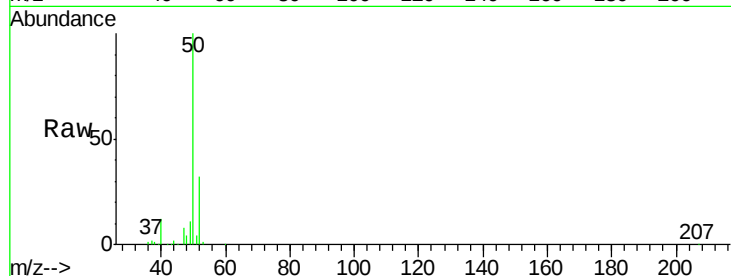
VSTDCCC050EC

Tot Ion: 50 Resp: 298710

Ion Ratio Lower Upper

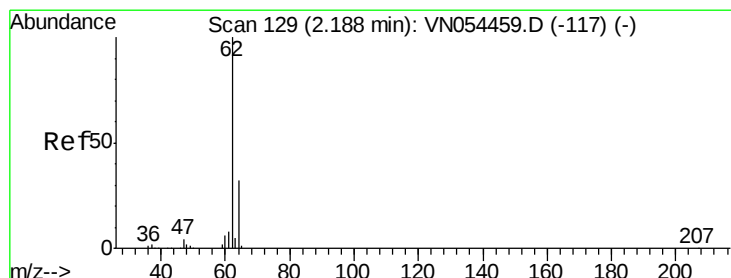
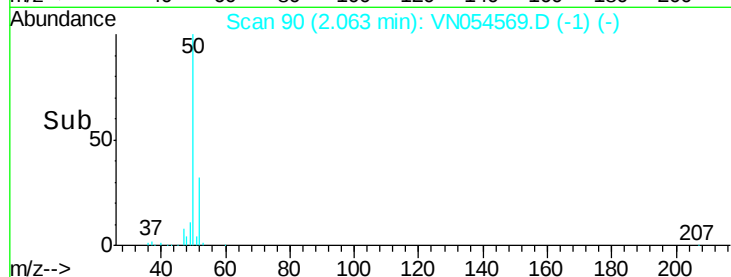
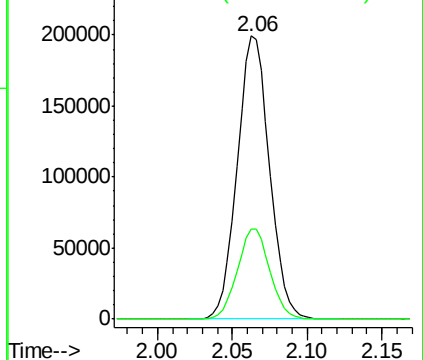
50 100

52 31.9 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.003 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054569.D

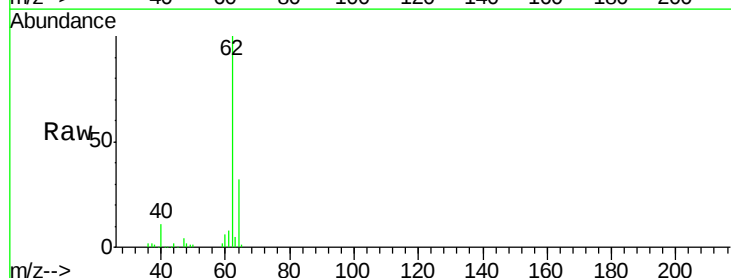
Acq: 22 Mar 2019 20:22

Tgt Ion: 62 Resp: 292721

Ion Ratio Lower Upper

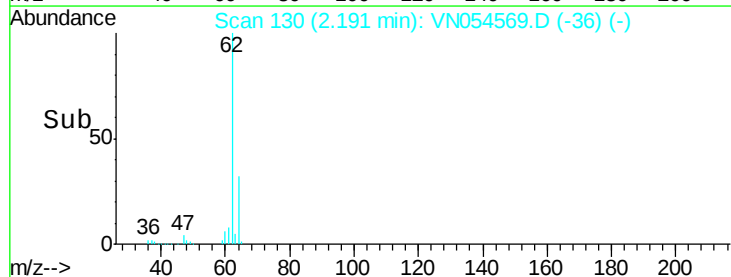
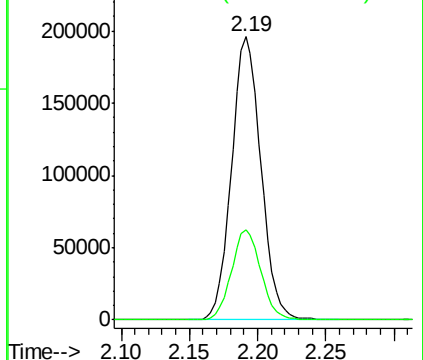
62 100

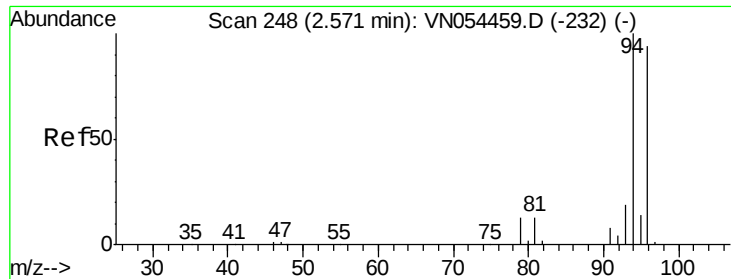
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 42.937 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054569.D

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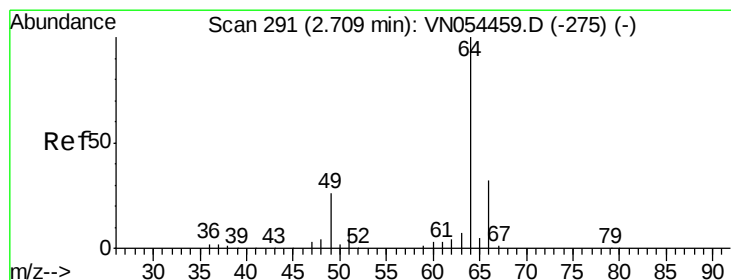
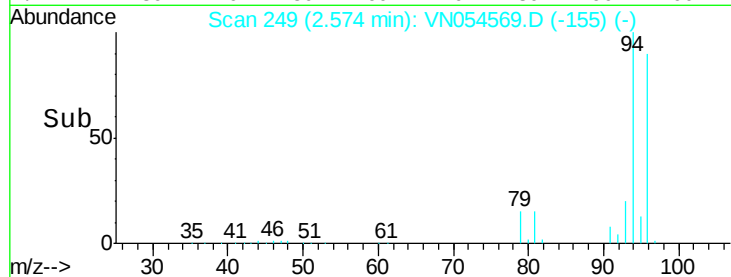
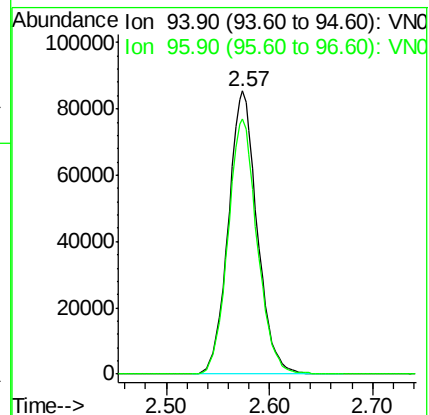
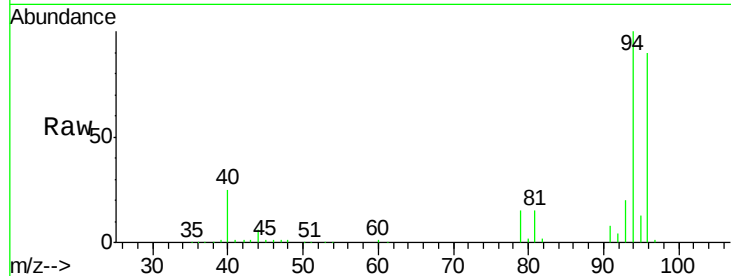
VSTDCCC050EC

Tot Ion: 94 Resp: 165849

Ion Ratio Lower Upper

94 100

96 90.4 77.0 115.4



#6

Chloroethane

Concen: 45.746 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054569.D

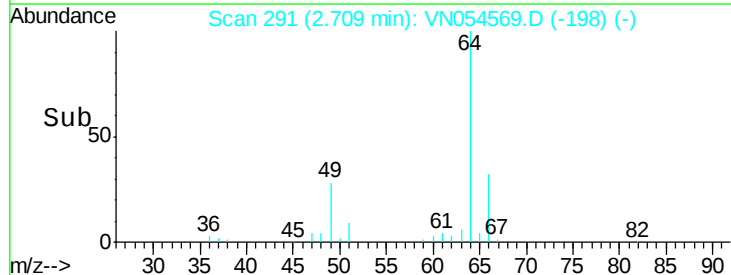
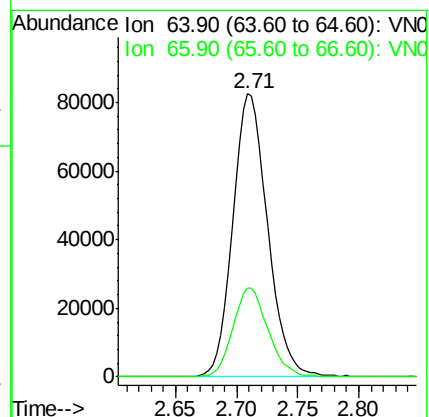
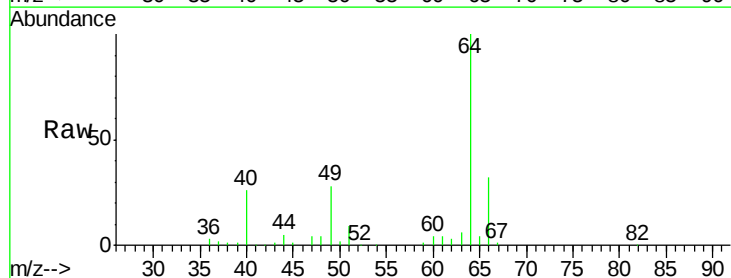
Acq: 22 Mar 2019 20:22

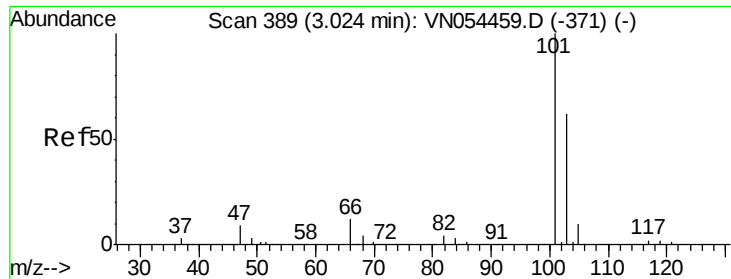
Tgt Ion: 64 Resp: 163905

Ion Ratio Lower Upper

64 100

66 31.6 25.7 38.5



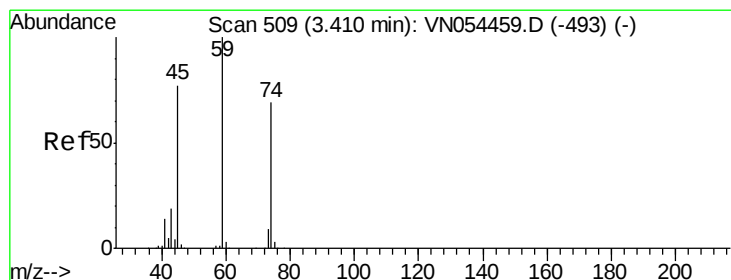
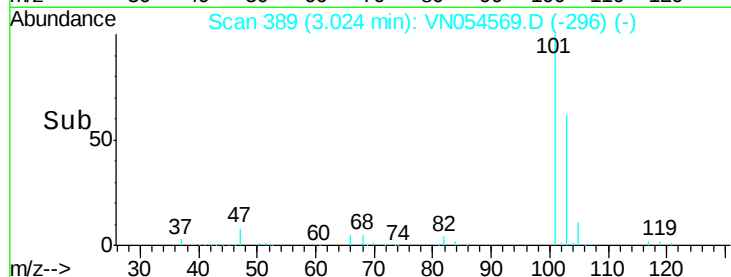
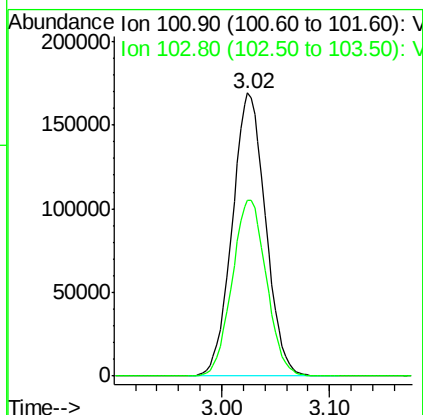
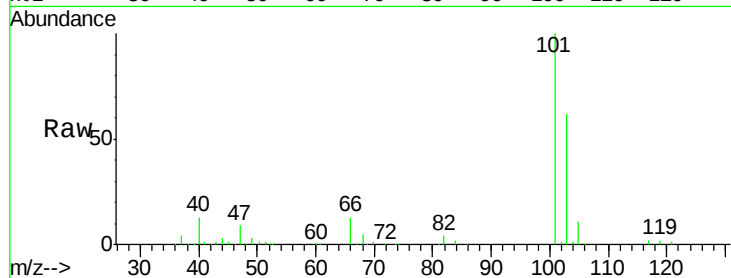


#7

Trichlorofluoromethane
Concen: 50.127 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
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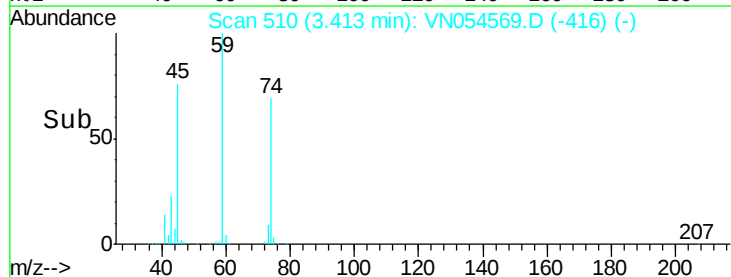
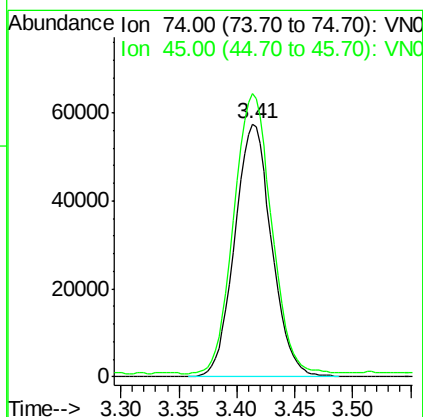
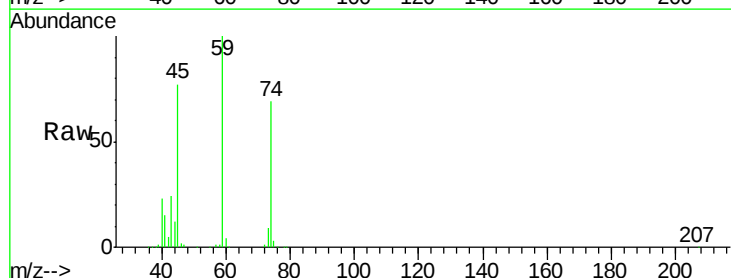
Tot Ion:101 Resp: 363635
Ion Ratio Lower Upper
101 100
103 62.3 51.4 77.2

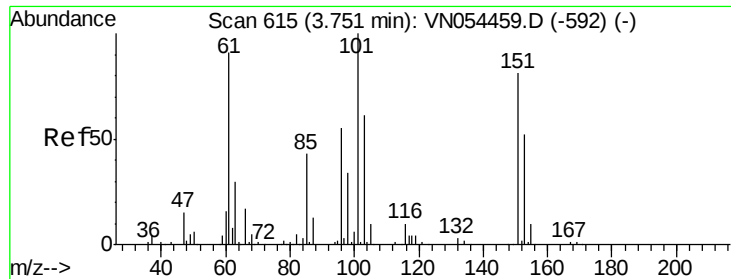


#8

Diethyl Ether
Concen: 45.392 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion: 74 Resp: 126643
Ion Ratio Lower Upper
74 100
45 113.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.234 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

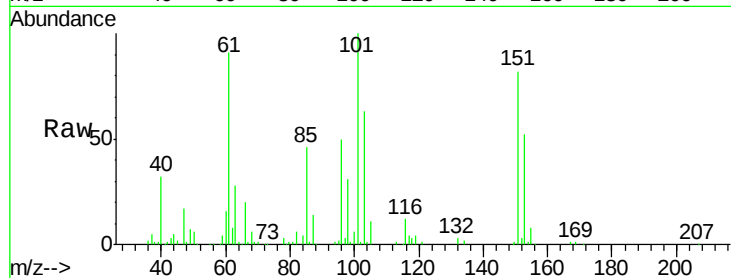
Tot Ion:101 Resp: 188587

Ion Ratio Lower Upper

101 100

85 44.4 32.4 48.6

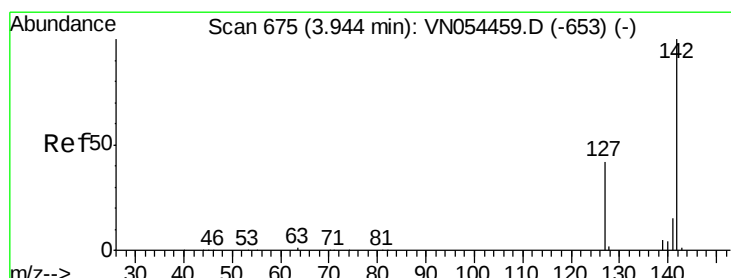
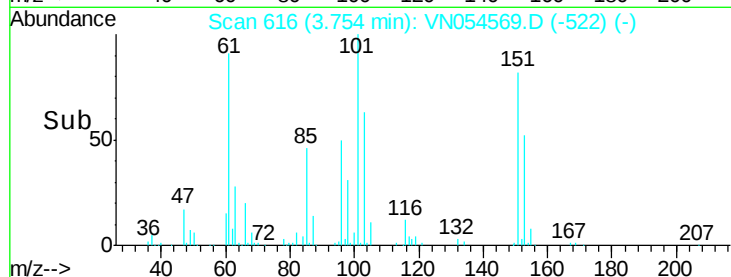
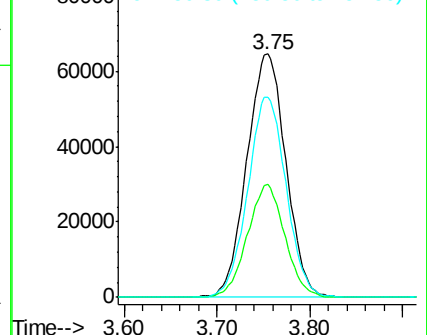
151 80.8 68.2 102.2



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: 45.425 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

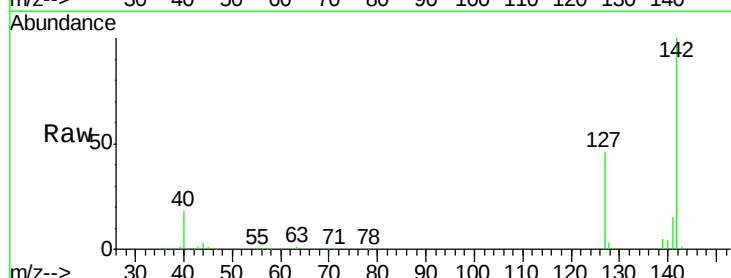
Tgt Ion:142 Resp: 284879

Ion Ratio Lower Upper

142 100

127 45.7 30.3 45.5#

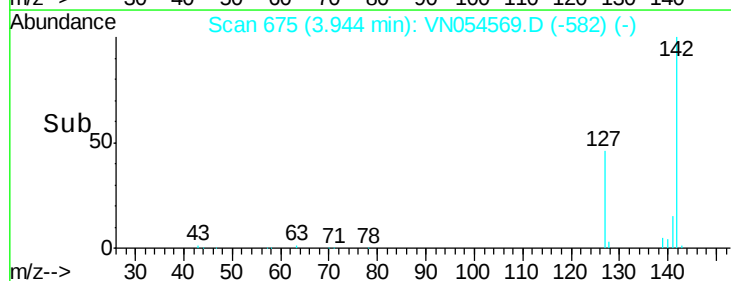
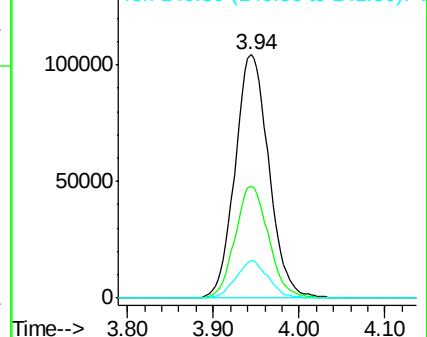
141 14.8 11.2 16.8

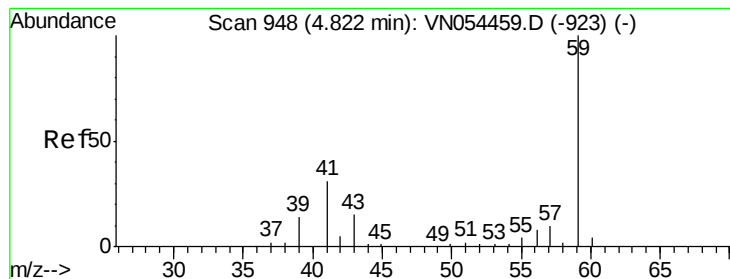


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



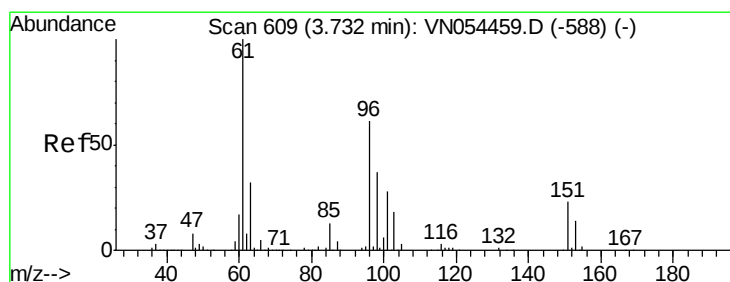
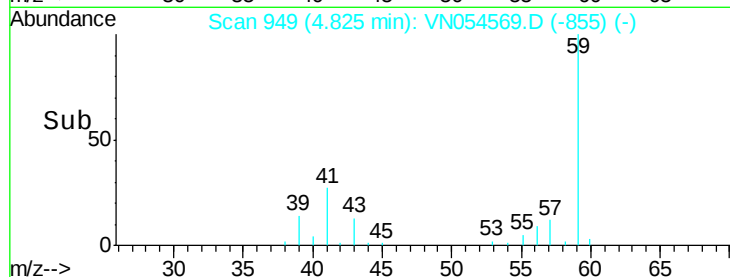
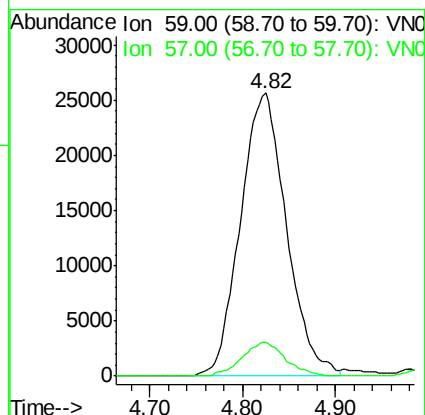
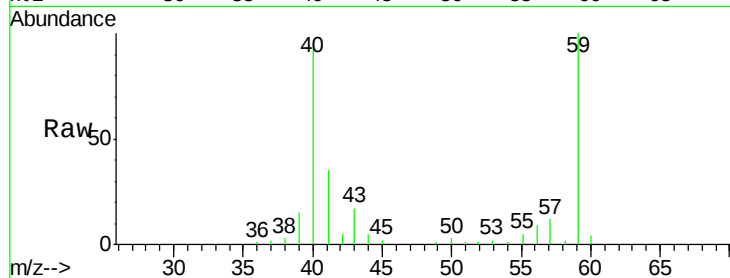


#11

Tert butyl alcohol
 Concen: 256.645 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

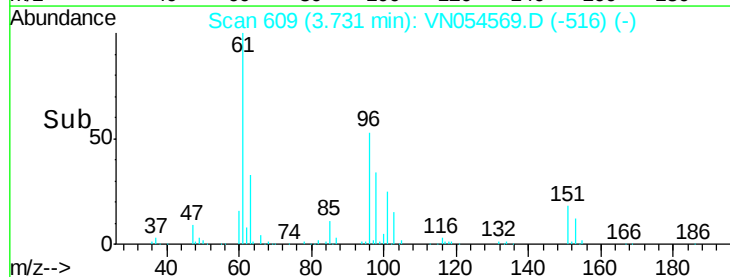
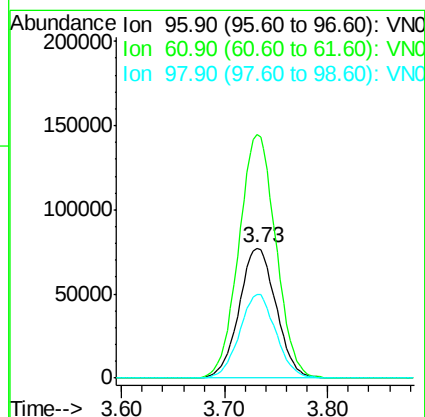
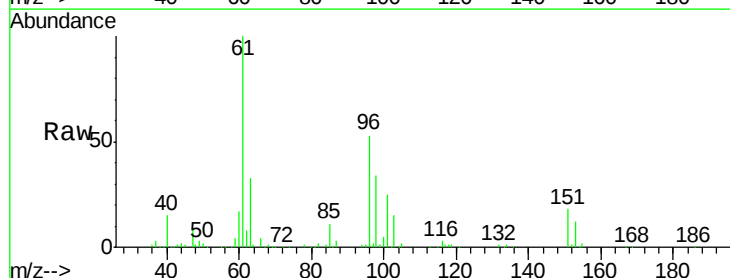
Tot Ion: 59 Resp: 88406
 Ion Ratio Lower Upper
 59 100
 57 11.3 9.0 13.6

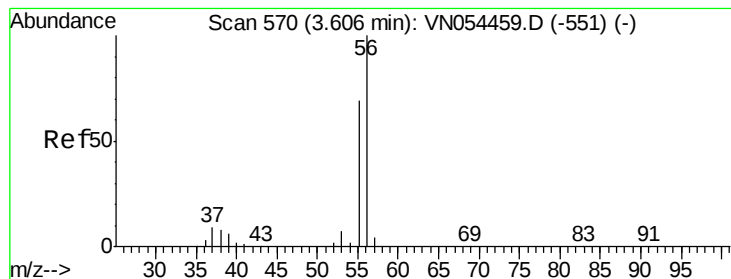


#12

1,1-Dichloroethene
 Concen: 43.505 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

Tgt Ion: 96 Resp: 191949
 Ion Ratio Lower Upper
 96 100
 61 187.2 116.5 174.7#
 98 64.2 51.0 76.4





#13

Acrolein

Concen: 254.491 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

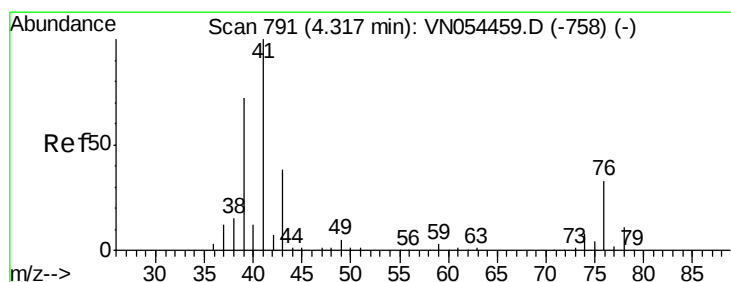
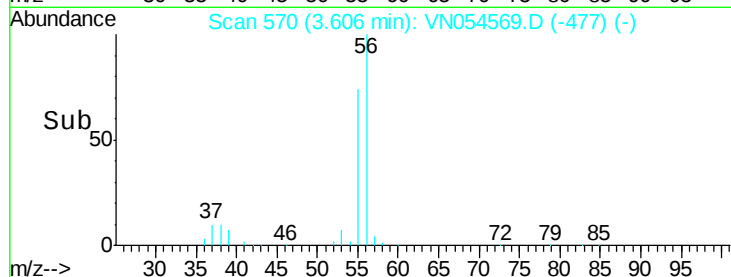
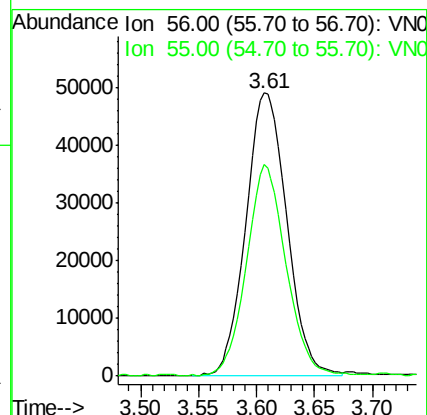
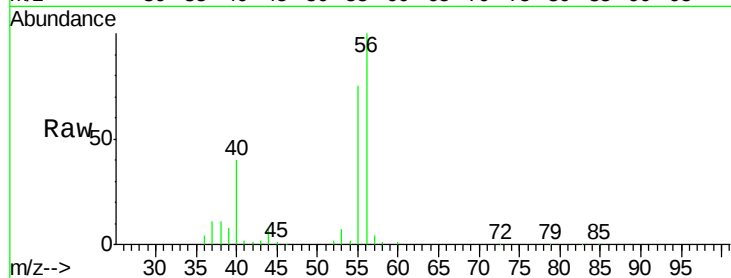
VSTDCCC050EC

Tot Ion: 56 Resp: 120977

Ion Ratio Lower Upper

56 100

55 71.0 56.7 85.1



#14

Allyl chloride

Concen: 53.312 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

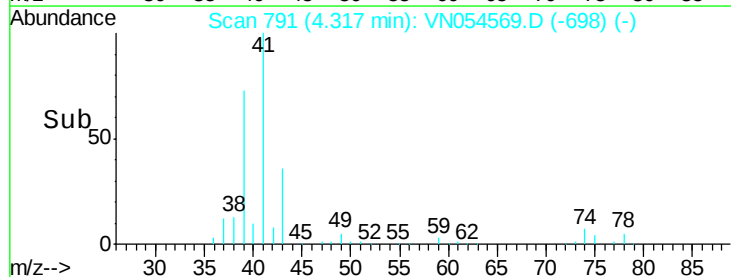
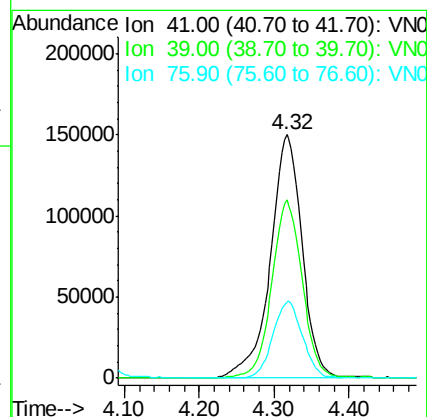
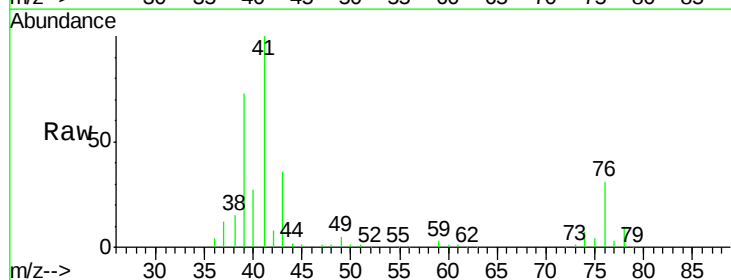
Tgt Ion: 41 Resp: 442930

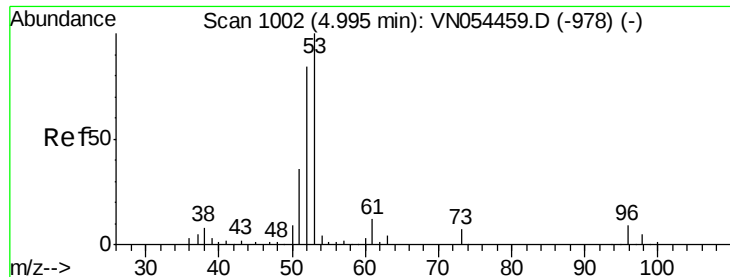
Ion Ratio Lower Upper

41 100

39 69.6 58.2 87.4

76 29.2 31.7 47.5#

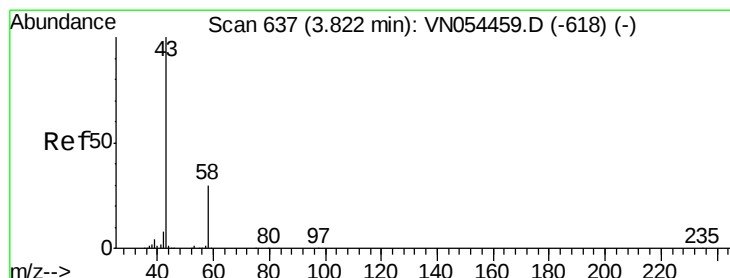
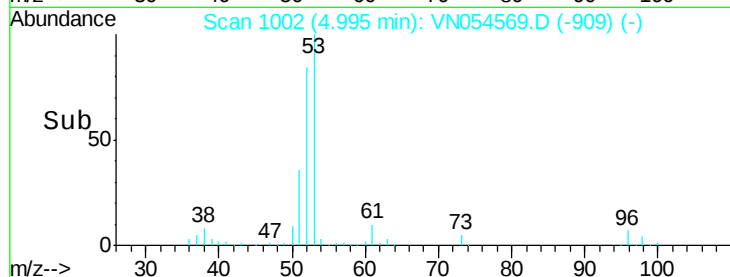
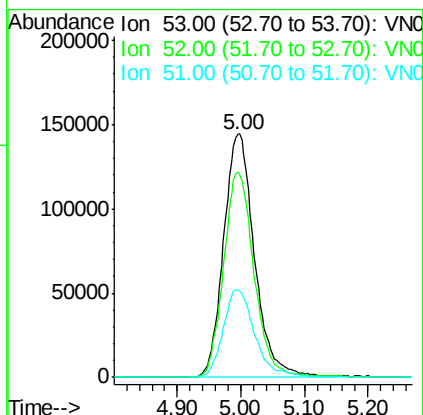
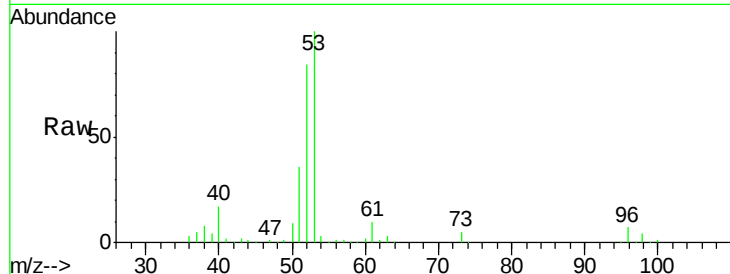




#15
 Acrylonitrile
 Concen: 284.149 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

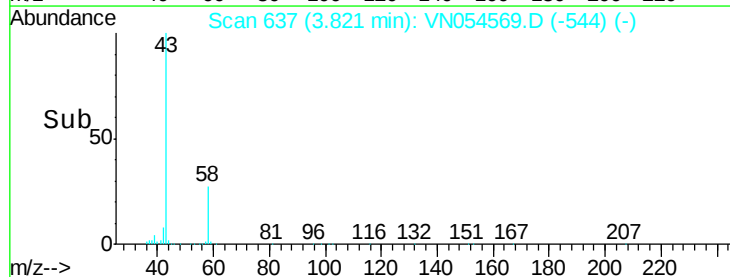
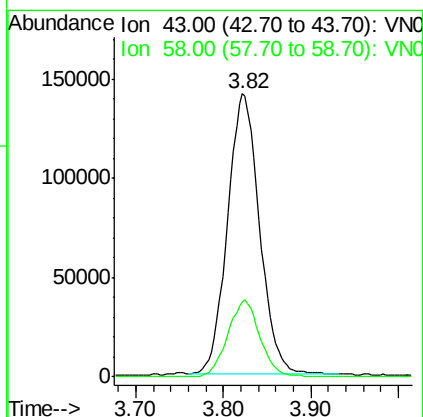
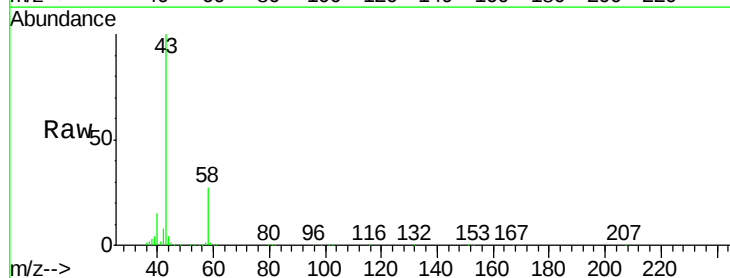
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

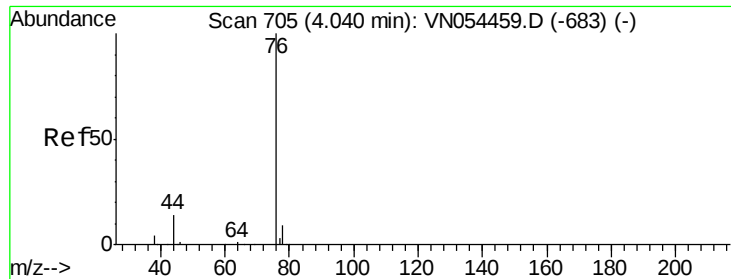
Tot Ion: 53 Resp: 487435
 Ion Ratio Lower Upper
 53 100
 52 82.8 66.4 99.6
 51 36.9 29.6 44.4



#16
 Acetone
 Concen: 209.784 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

Tgt Ion: 43 Resp: 358859
 Ion Ratio Lower Upper
 43 100
 58 26.7 29.9 44.9#

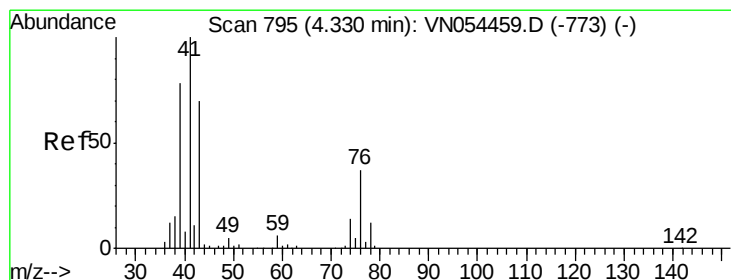
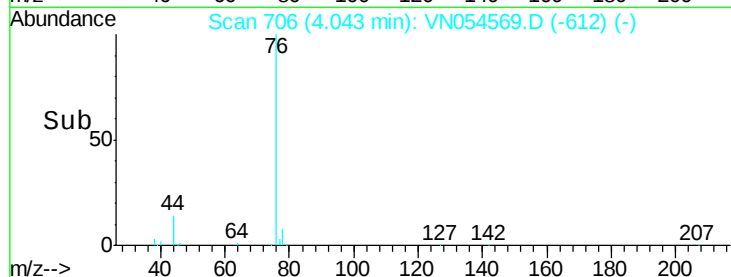
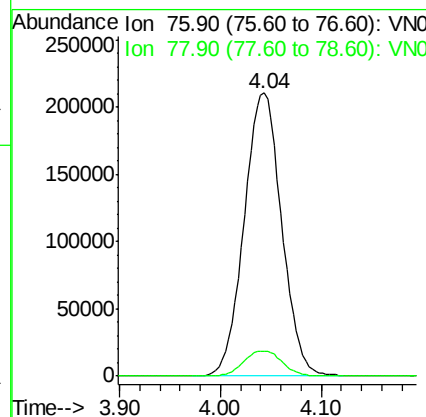
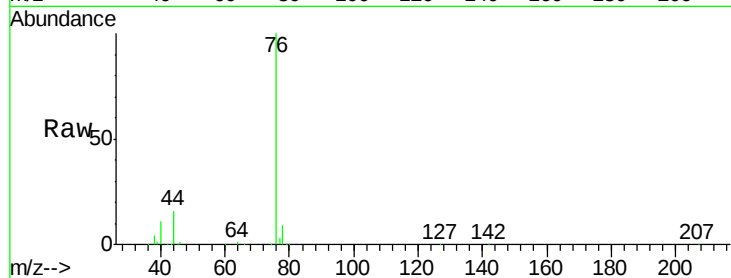




#17
Carbon Disulfide
Concen: 45.880 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

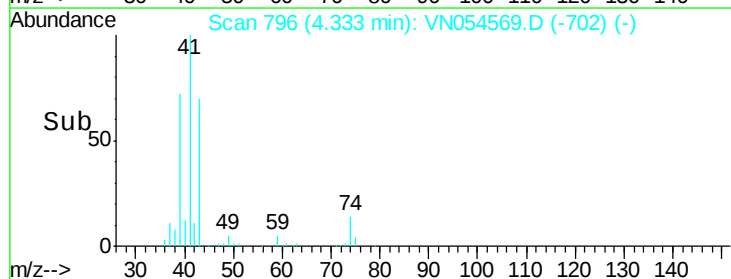
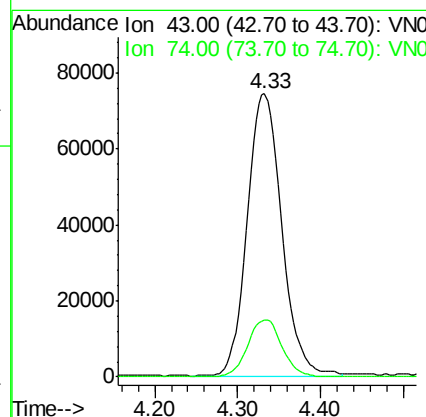
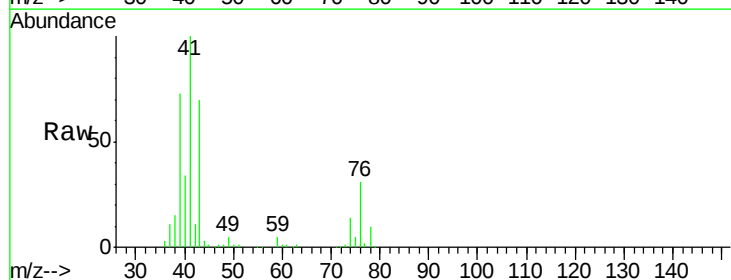
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

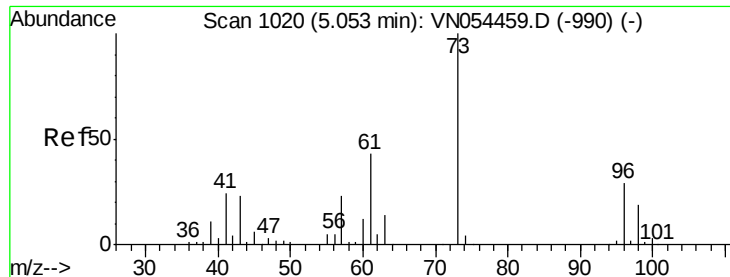
Tot Ion: 76 Resp: 542378
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3



#18
Methyl Acetate
Concen: 56.451 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion: 43 Resp: 215235
Ion Ratio Lower Upper
43 100
74 20.2 20.8 31.2#

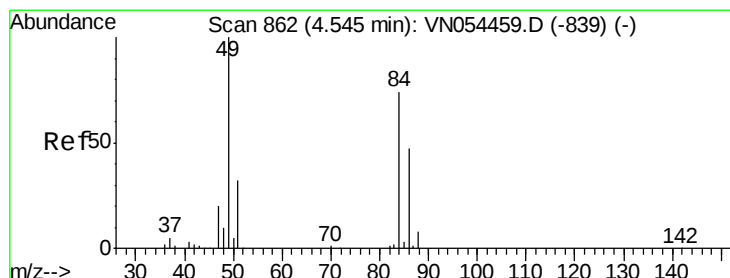
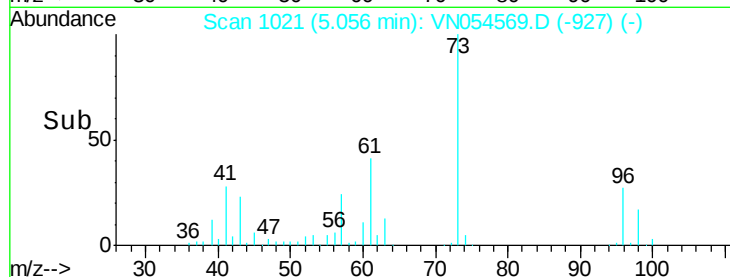
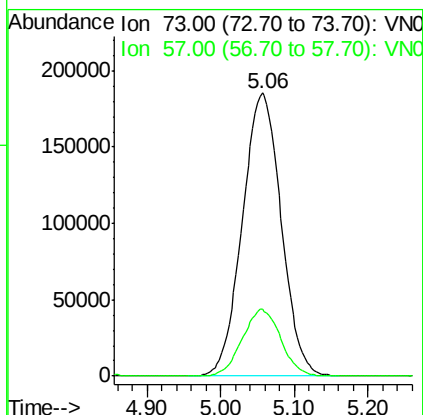
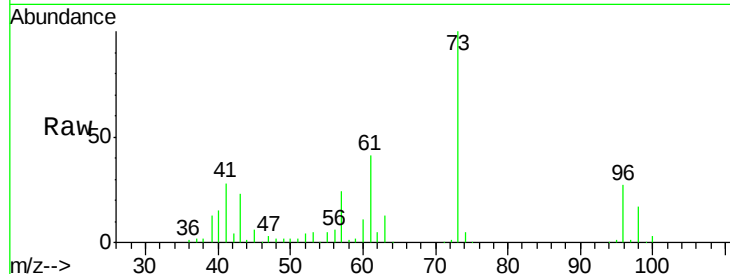




#19
Methvl tert-butvl Ether
Concen: 52.873 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

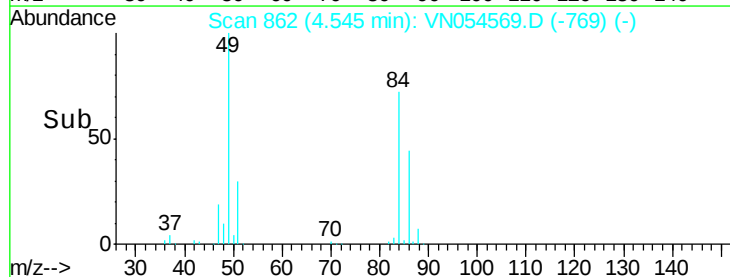
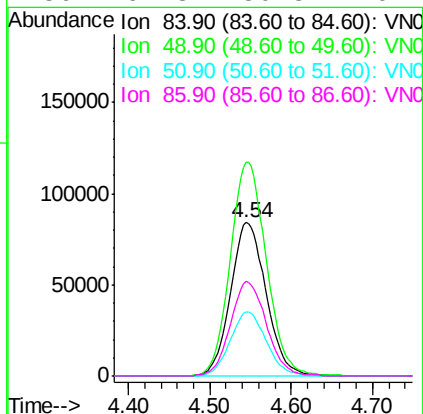
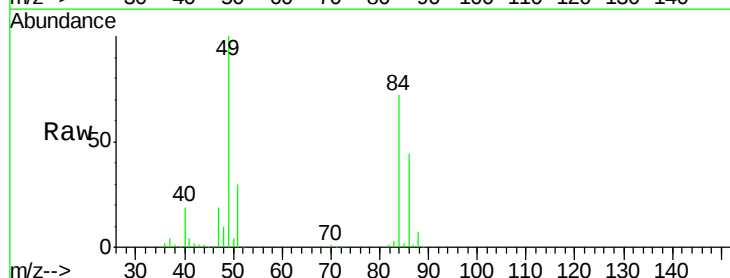
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

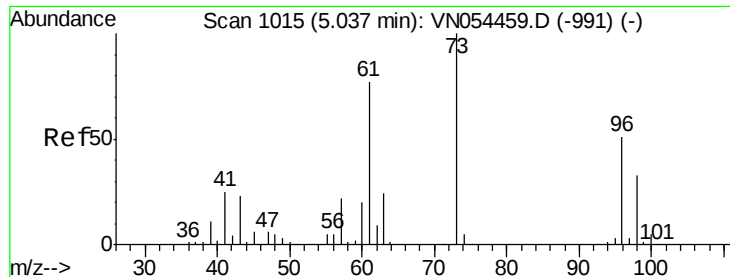
Tot Ion: 73 Resp: 680811
Ion Ratio Lower Upper
73 100
57 23.6 16.8 25.2



#20
Methylene Chloride
Concen: 50.653 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion: 84 Resp: 255422
Ion Ratio Lower Upper
84 100
49 139.0 89.7 134.5#
51 42.1 28.2 42.4
86 61.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 52.621 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

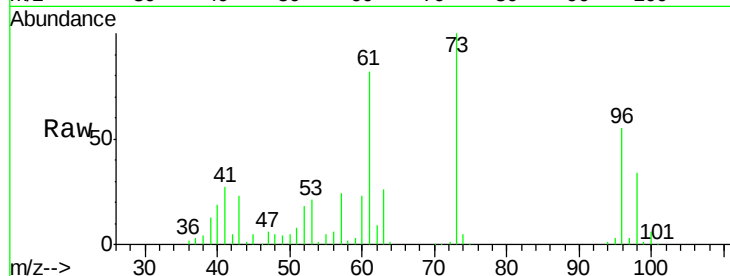
Tot Ion: 96 Resp: 237072

Ion Ratio Lower Upper

96 100

61 148.7 102.8 154.2

98 61.8 50.0 75.0

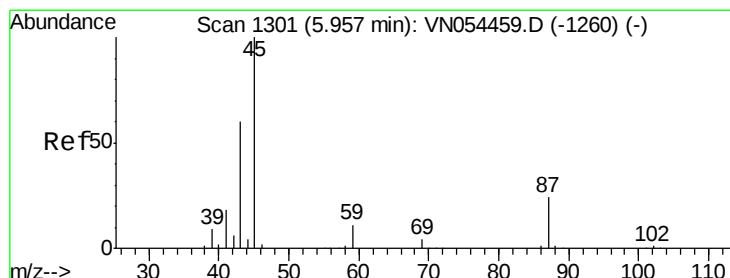
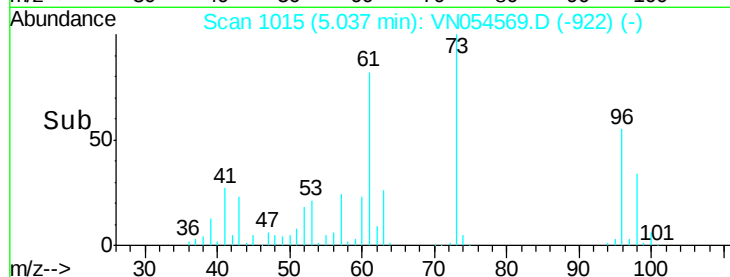
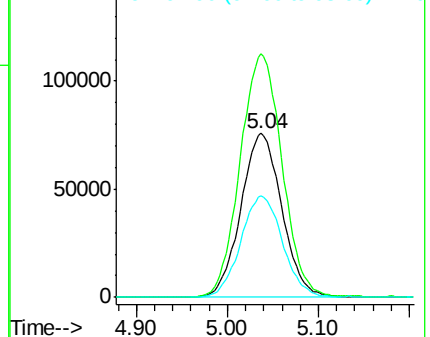


Abundance

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: 56.084 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Tgt Ion: 45 Resp: 919104

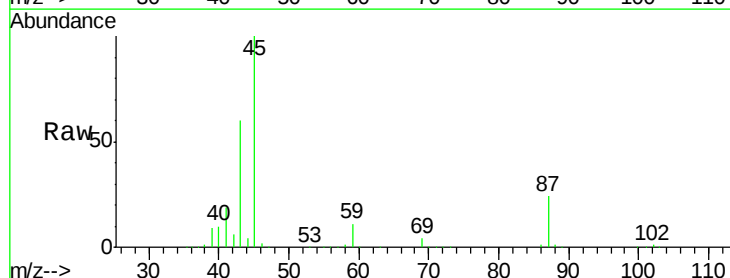
Ion Ratio Lower Upper

45 100

43 60.0 48.2 72.2

87 23.8 24.9 37.3#

59 10.3 9.5 14.3



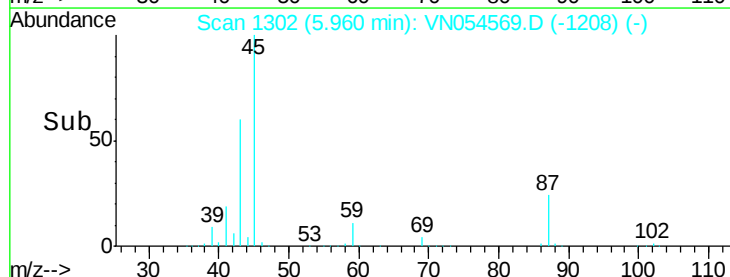
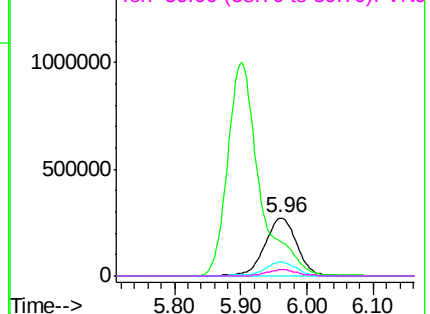
Abundance

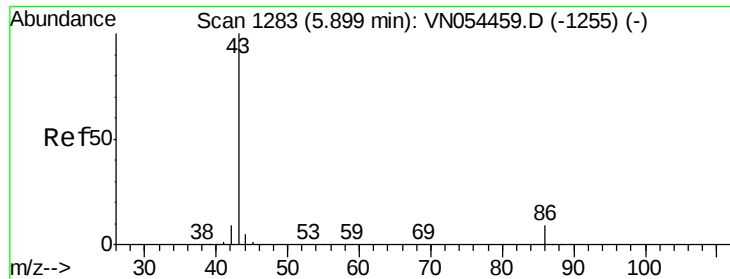
Ion 45.00 (44.70 to 45.70): VN0

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: 289.209 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

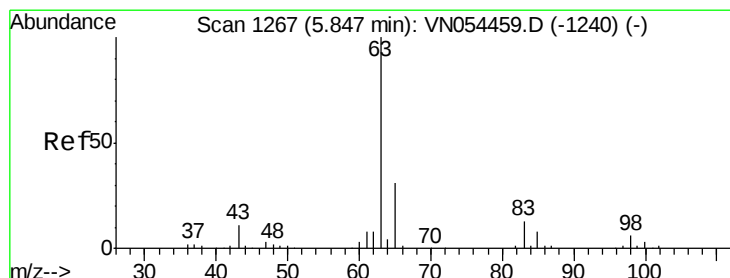
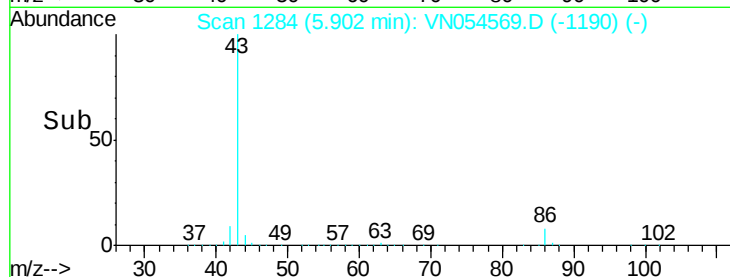
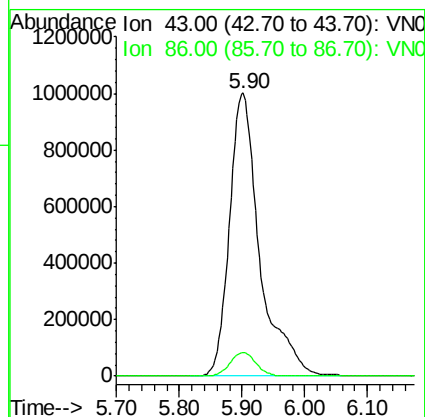
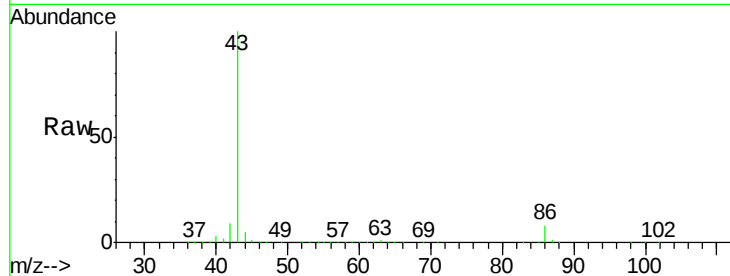
VSTDCCC050EC

Tot Ion: 43 Resp: 3347365

Ion Ratio Lower Upper

43 100

86 8.4 9.1 13.7#



#24

1,1-Dichloroethane

Concen: 54.804 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

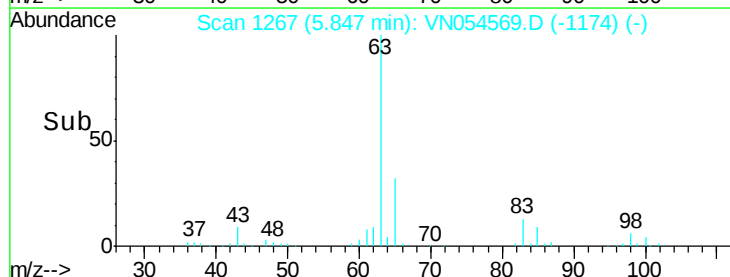
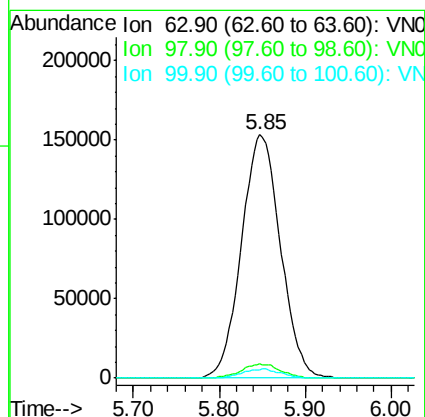
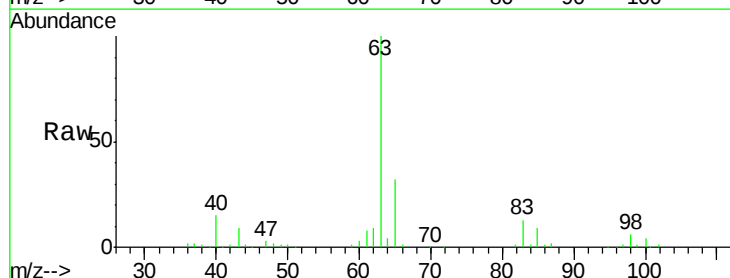
Tgt Ion: 63 Resp: 483580

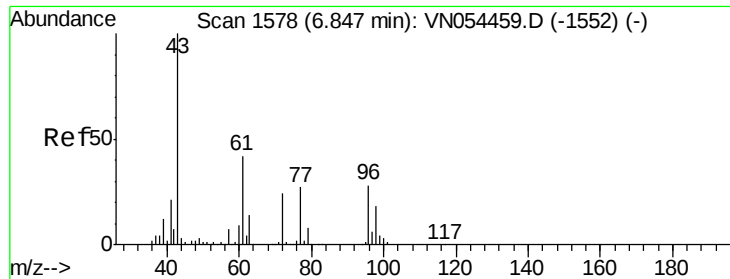
Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.5

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 277.377 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

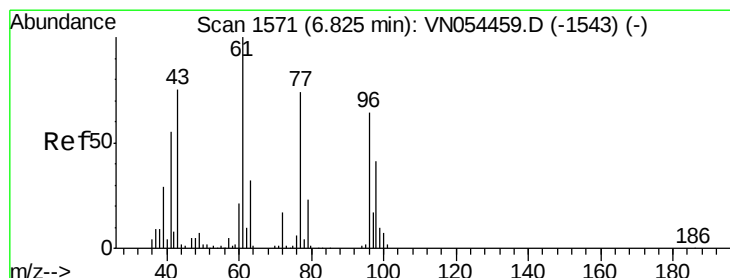
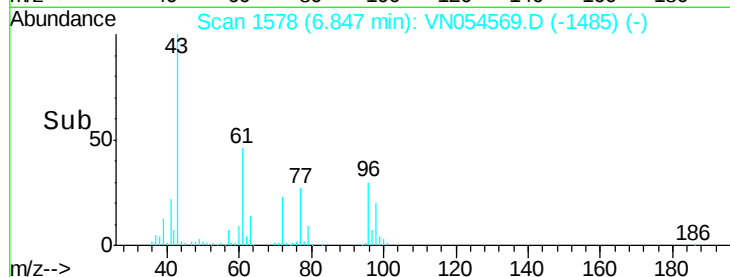
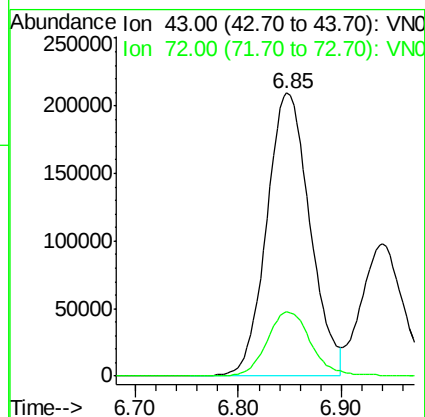
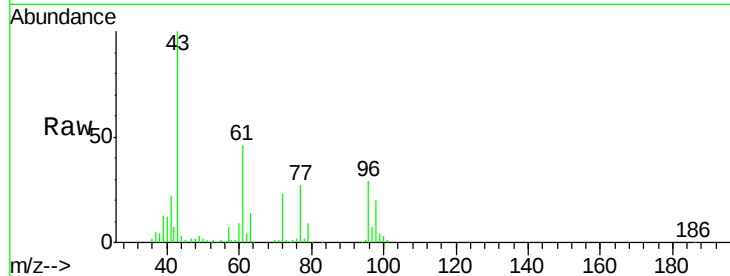
VSTDCCC050EC

Tot Ion: 43 Resp: 607815

Ion Ratio Lower Upper

43 100

72 22.8 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 49.426 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054569.D

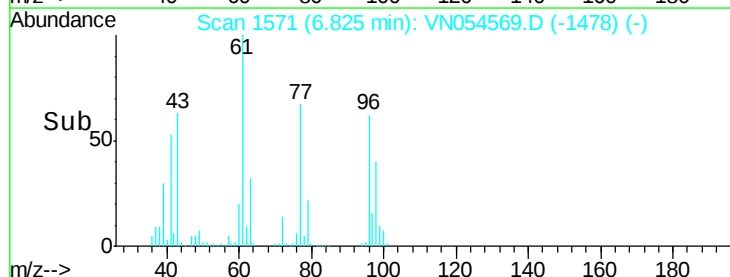
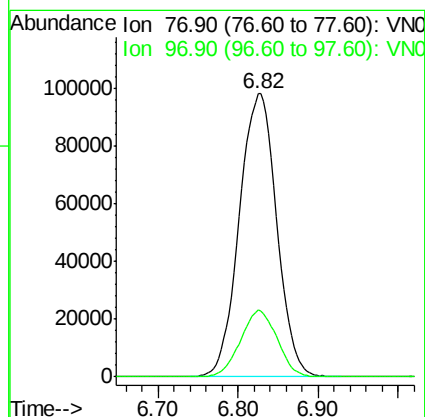
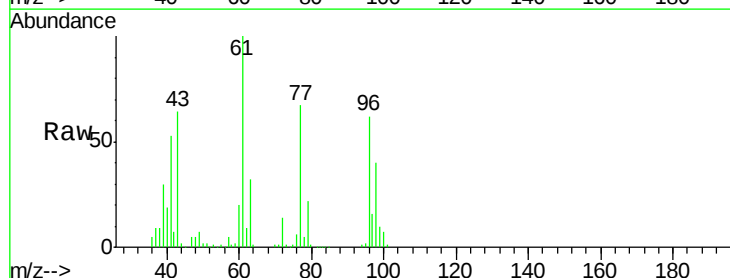
Acq: 22 Mar 2019 20:22

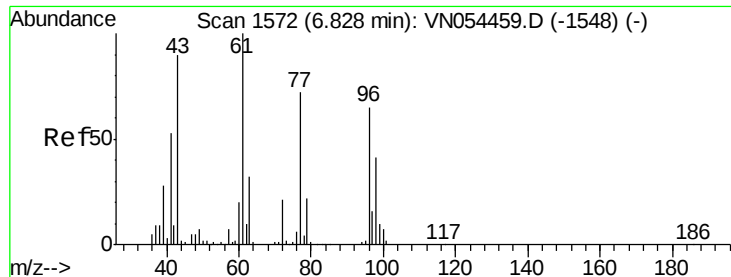
Tgt Ion: 77 Resp: 310891

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 51.174 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

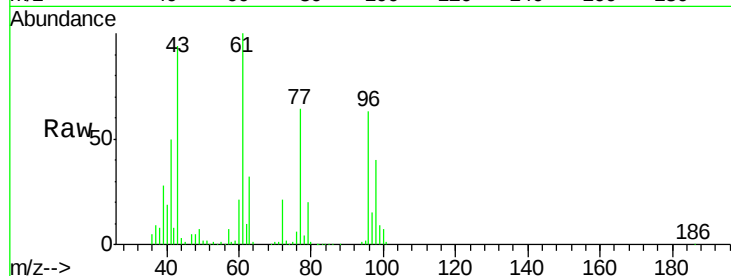
Tot Ion: 96 Resp: 274994

Ion Ratio Lower Upper

96 100

61 158.8 0.0 273.0

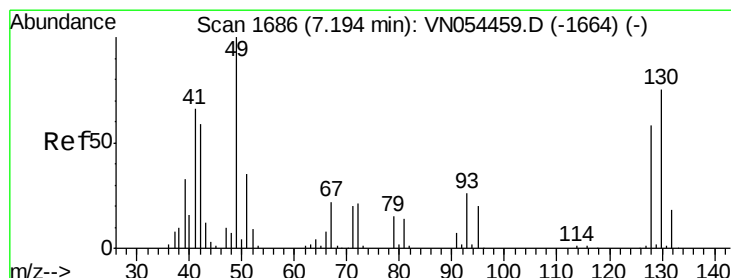
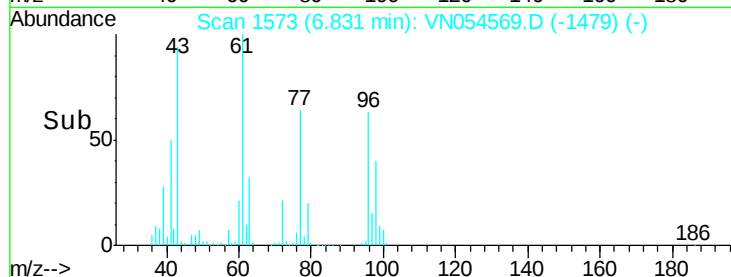
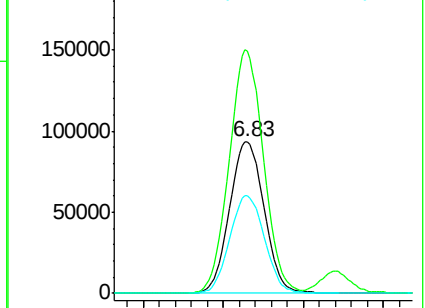
98 64.7 0.0 130.6



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) (-)



#28

Bromochloromethane

Concen: 54.939 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

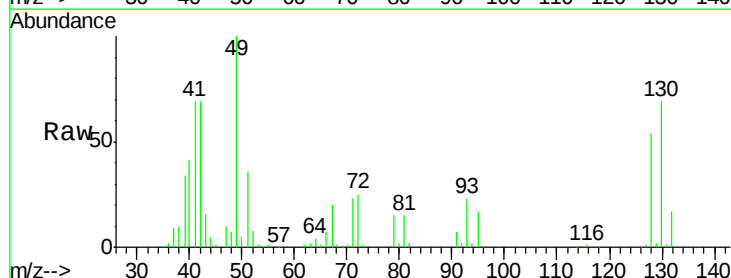
Tgt Ion: 49 Resp: 238613

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

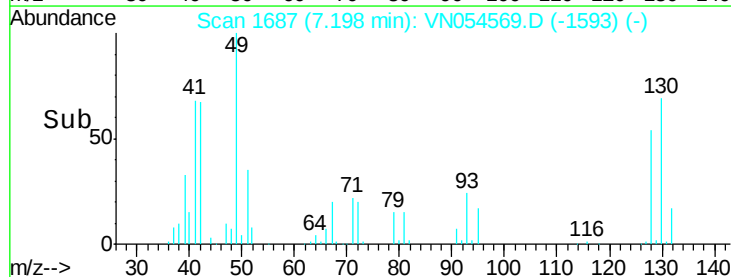
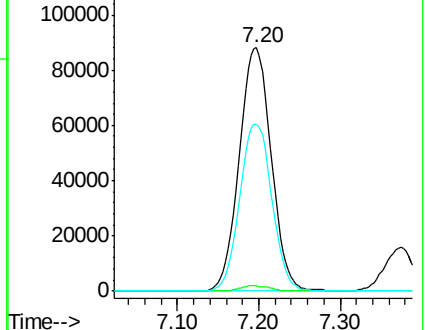
130 68.9 76.7 115.1#

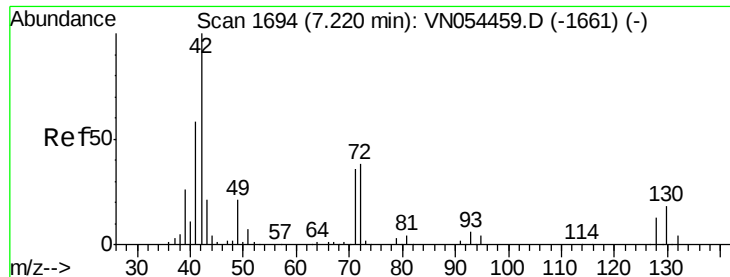


Abundance Ion 48.90 (48.60 to 49.60): VN054459.D (-1664) (-)

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

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





#29

Tetrahydrofuran

Concen: 292.302 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

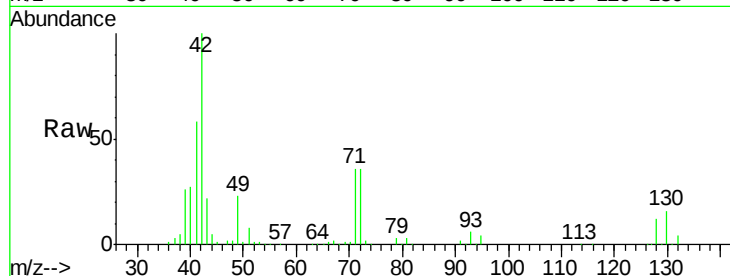
Tot Ion: 42 Resp: 415656

Ion Ratio Lower Upper

42 100

72 36.7 37.8 56.6#

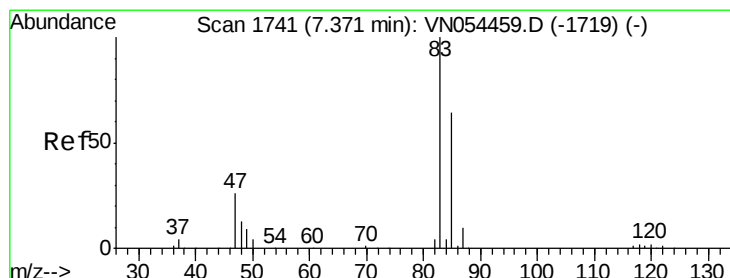
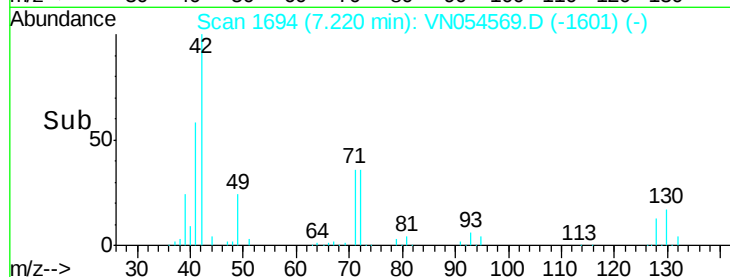
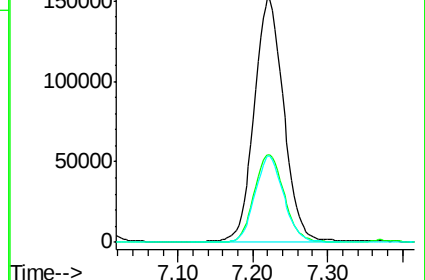
71 34.6 36.2 54.2#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 54.420 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054569.D

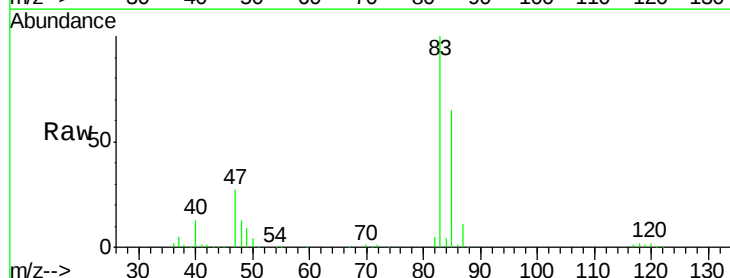
Acq: 22 Mar 2019 20:22

Tgt Ion: 83 Resp: 468622

Ion Ratio Lower Upper

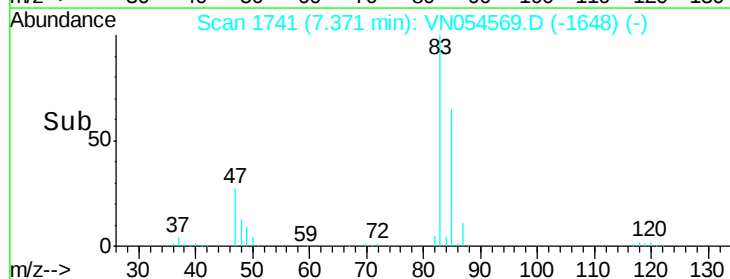
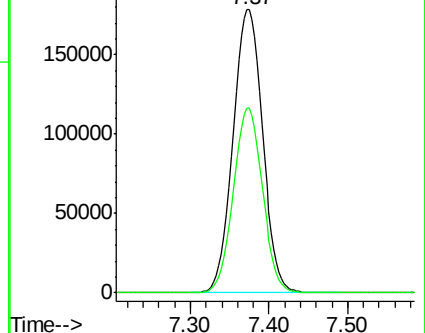
83 100

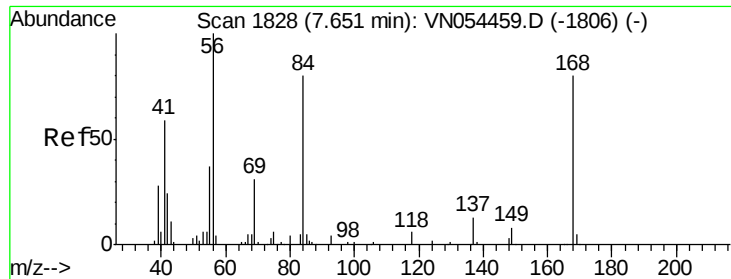
85 65.5 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

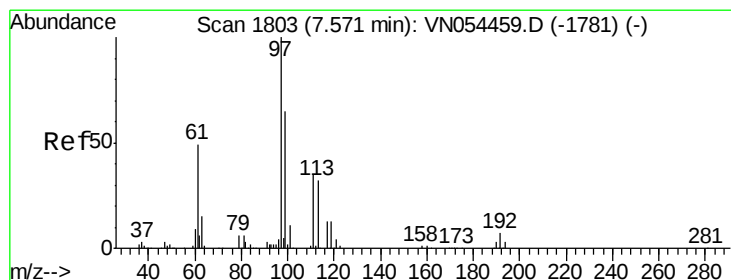
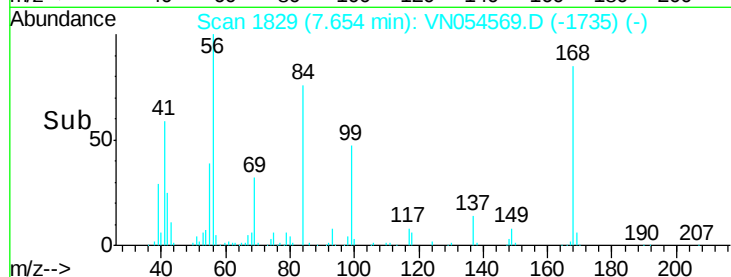
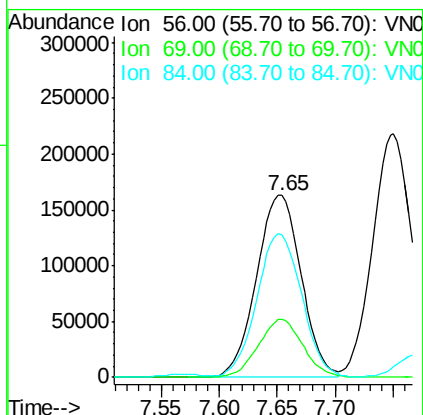
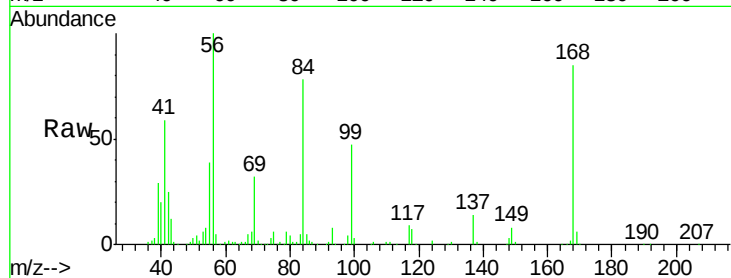




#31
Cyclohexane
Concen: 51.811 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

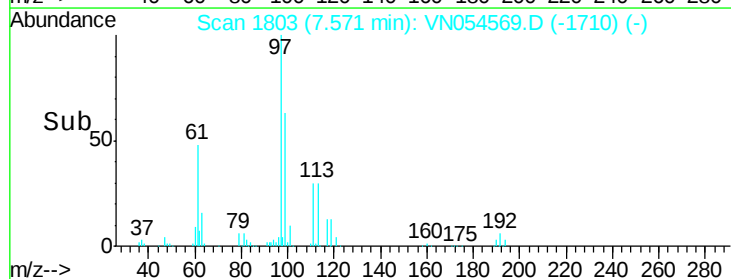
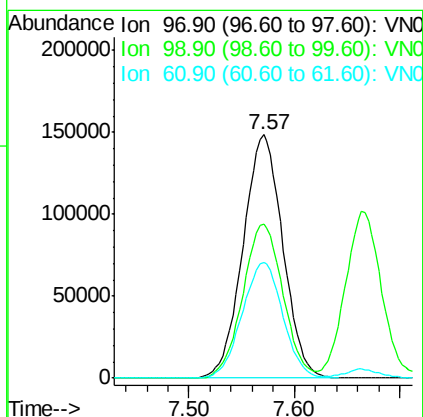
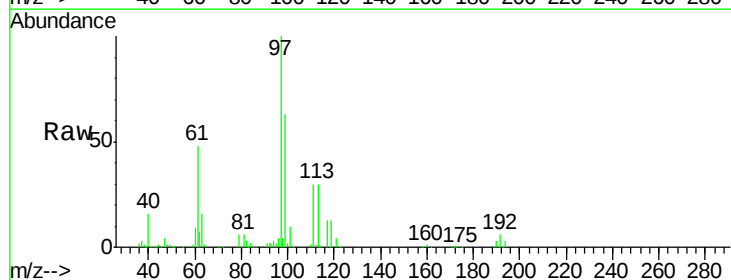
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

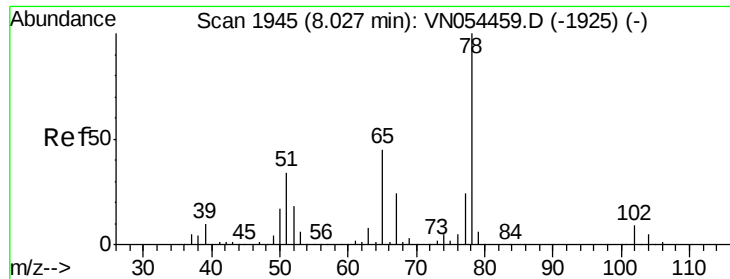
Tot Ion: 56 Resp: 437496
Ion Ratio Lower Upper
56 100
69 32.0 27.8 41.6
84 76.7 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 54.878 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion: 97 Resp: 389871
Ion Ratio Lower Upper
97 100
99 63.7 51.5 77.3
61 48.5 33.6 50.4

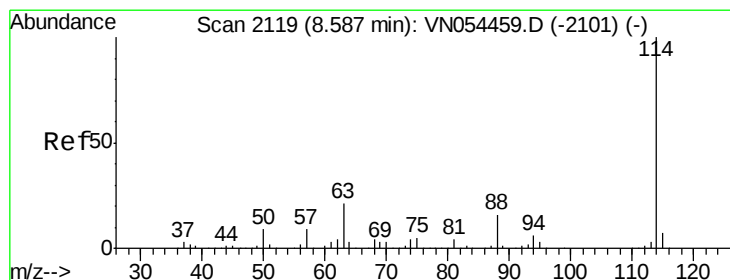
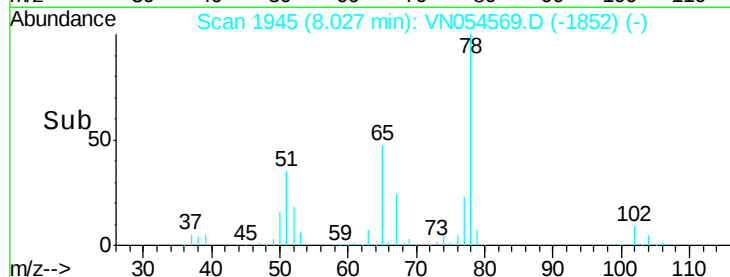
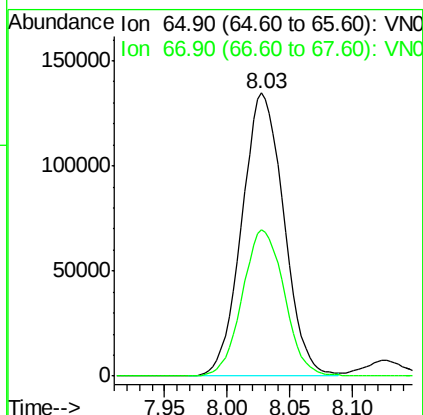
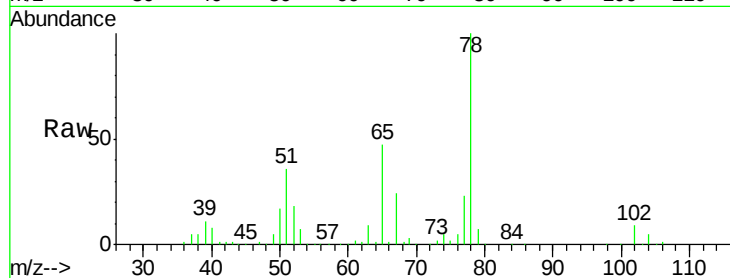




#33
 1,2-Dichloroethane-d4
 Concen: 55.212 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

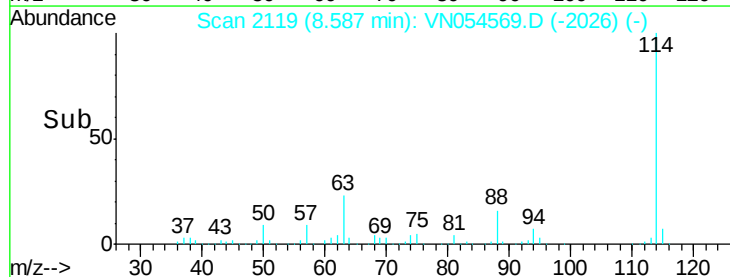
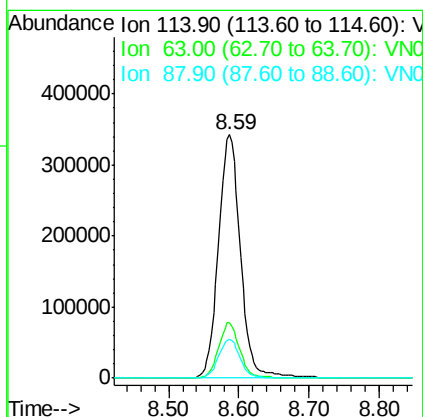
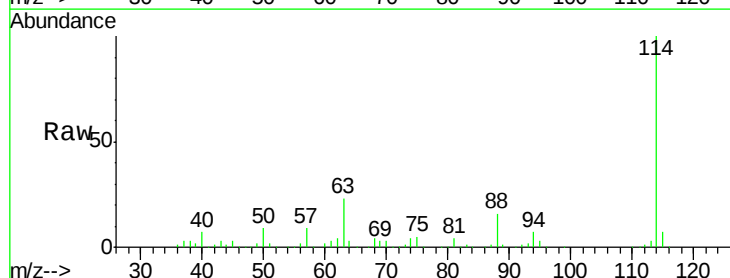
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

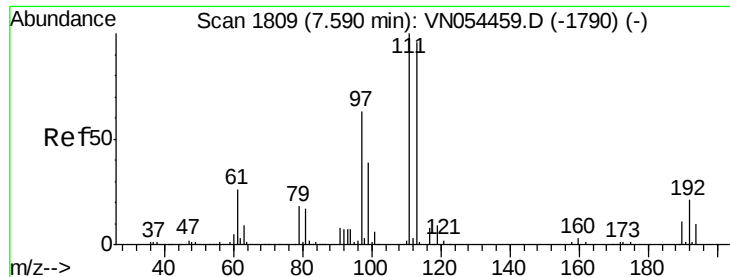
Tot Ion: 65 Resp: 314143
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

Tgt Ion: 114 Resp: 746841
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 35.2
 88 16.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.164 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

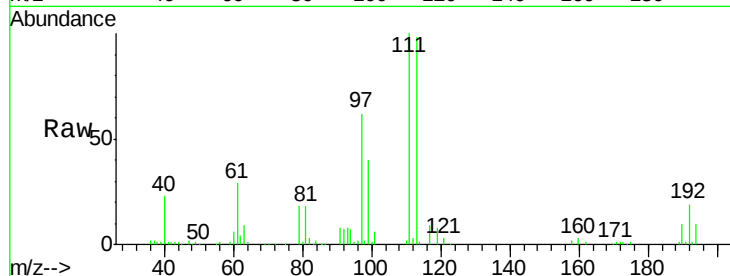
Tot Ion:113 Resp: 246177

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

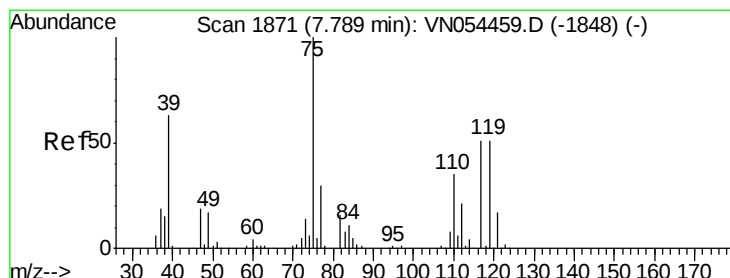
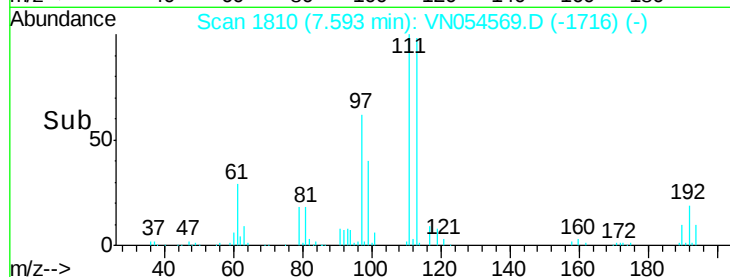
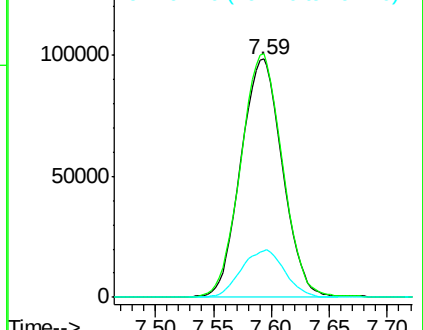
192 20.8 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.514 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

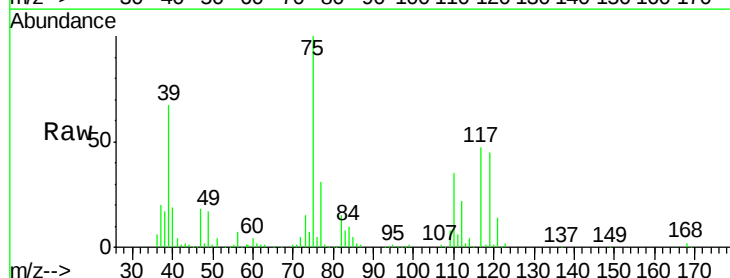
Tgt Ion: 75 Resp: 345754

Ion Ratio Lower Upper

75 100

110 33.9 19.1 57.5

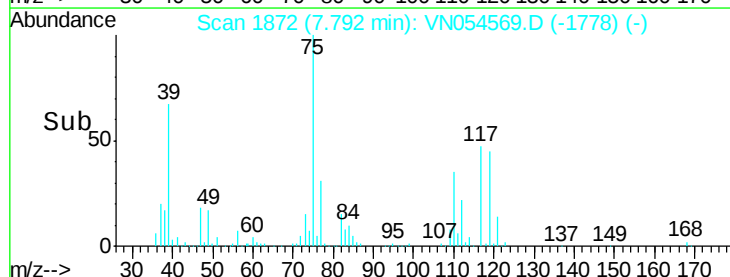
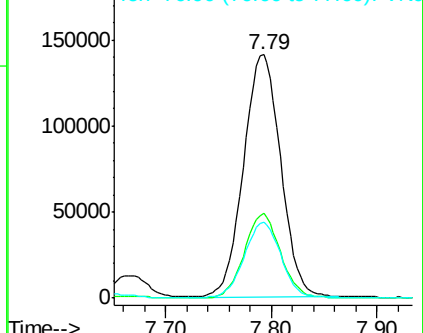
77 31.3 25.0 37.4

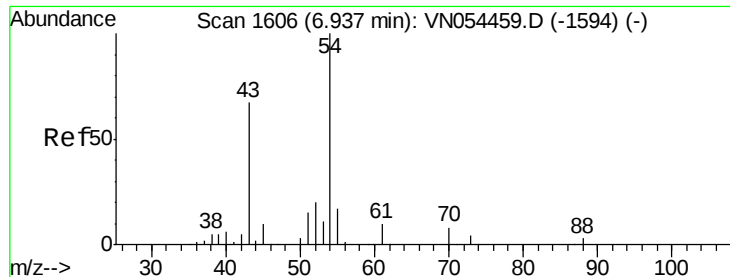


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

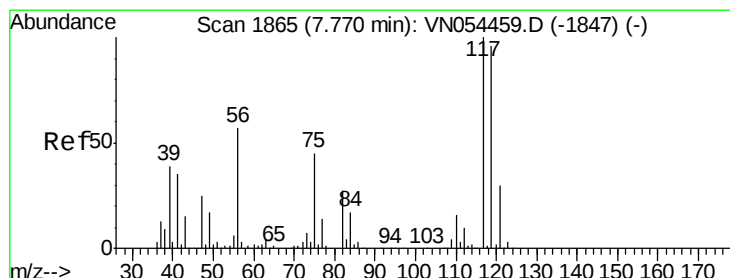
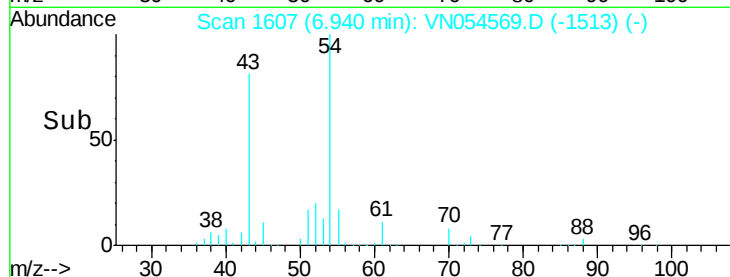
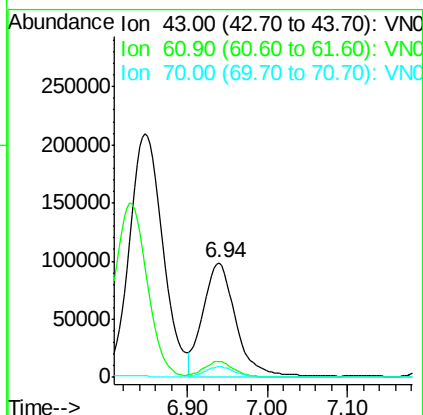
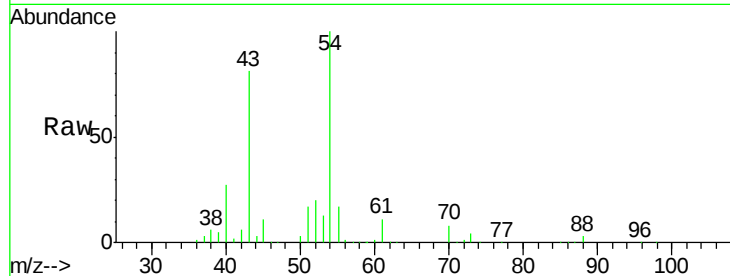




#37
Ethyl Acetate
Concen: 56.215 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

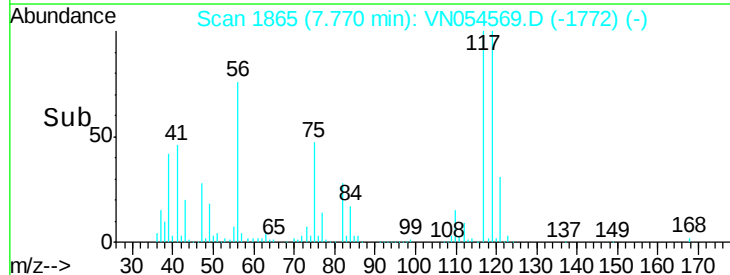
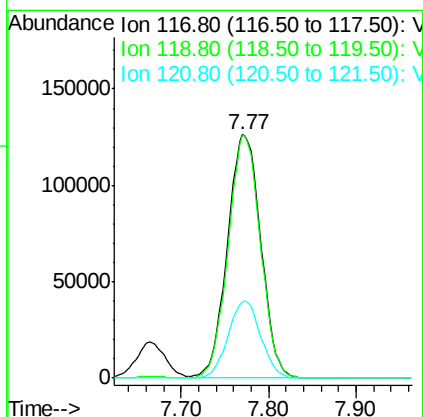
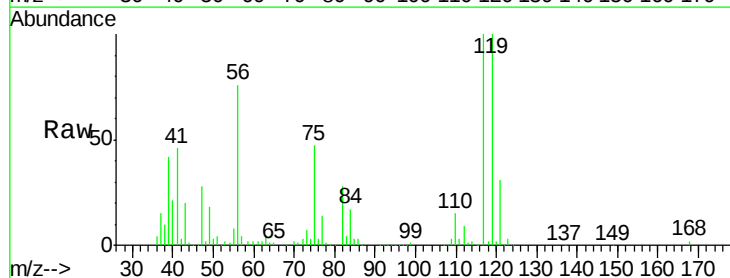
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

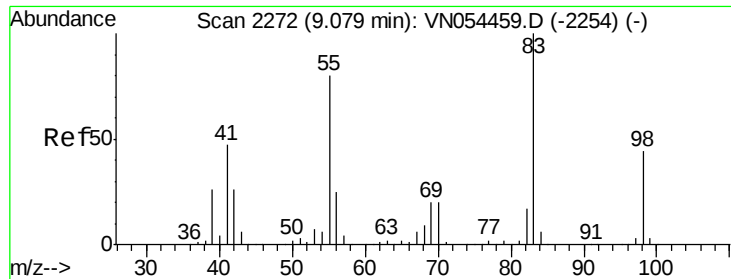
Tot Ion: 43 Resp: 279194
Ion Ratio Lower Upper
43 100
61 13.0 11.8 17.6
70 9.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.262 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion: 117 Resp: 334291
Ion Ratio Lower Upper
117 100
119 99.7 76.3 114.5
121 31.2 24.6 36.8

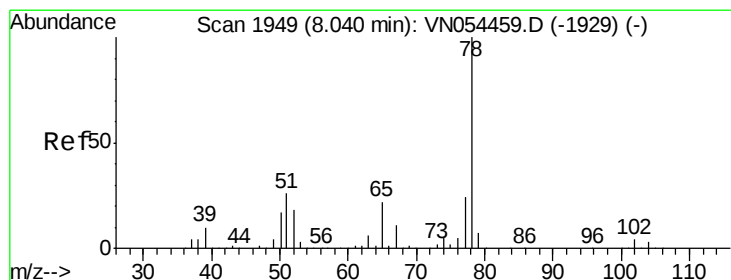
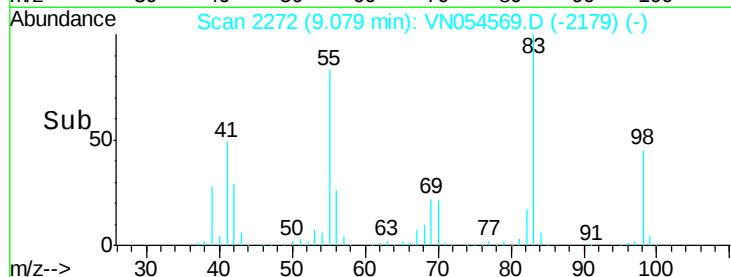
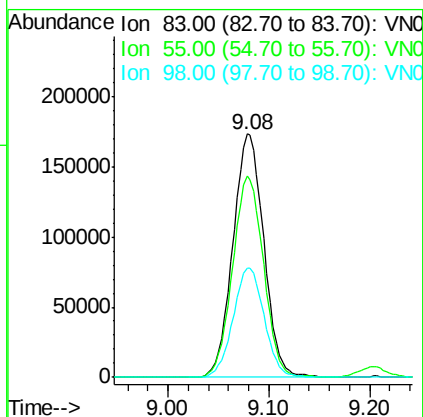
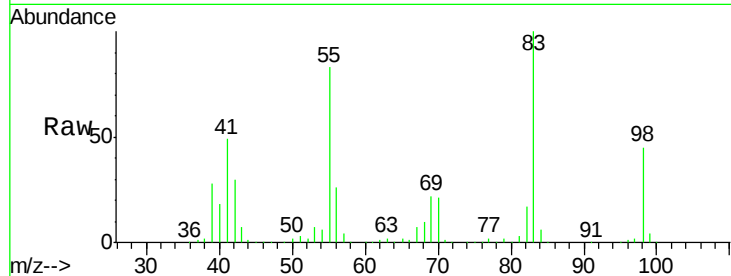




#39
Methvlcvclohexane
Concen: 46.171 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

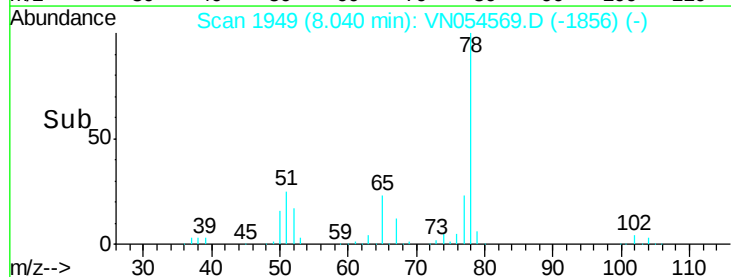
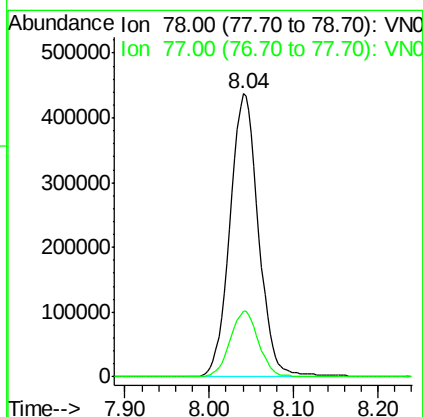
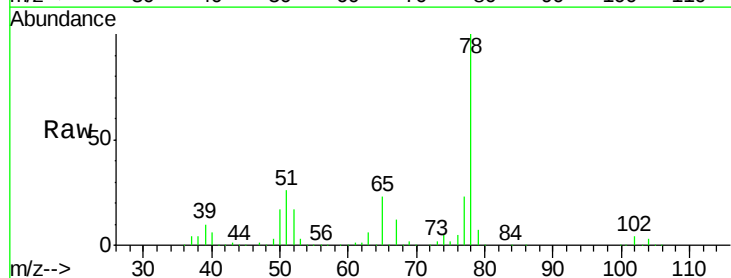
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

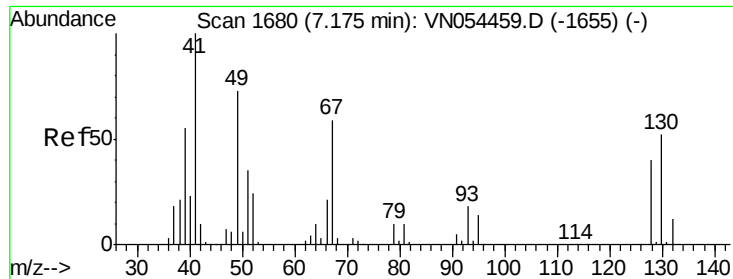
Tot Ion: 83 Resp: 368805
Ion Ratio Lower Upper
83 100
55 82.4 56.6 84.8
98 44.7 38.4 57.6



#40
Benzene
Concen: 51.650 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion: 78 Resp: 1031364
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7





#41

Methacrylonitrile

Concen: 53.675 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

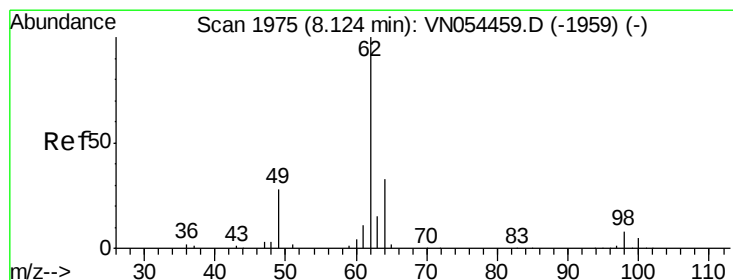
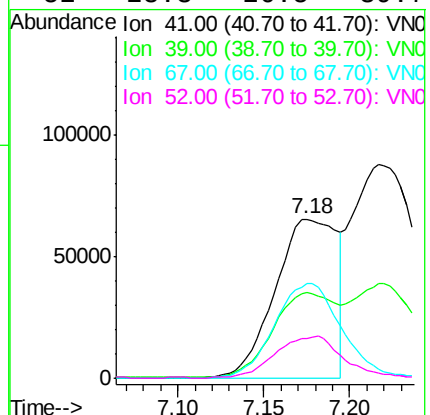
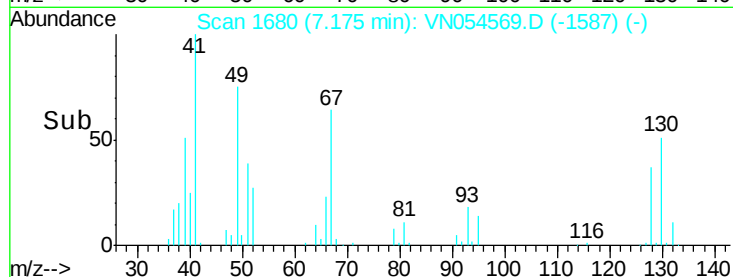
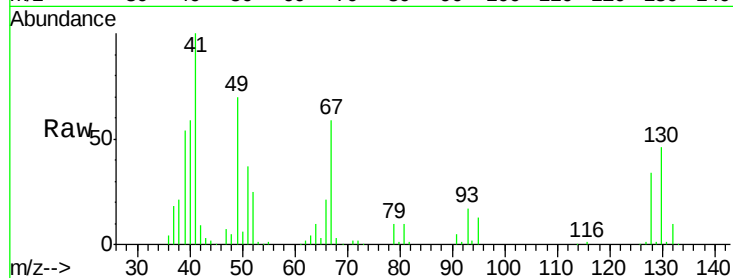
ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 162574

Ion Ratio Lower Upper

41	100		
39	54.0	46.8	70.2
67	66.2	67.0	100.4
52	28.3	26.5	39.7



#42

1,2-Dichloroethane

Concen: 51.605 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

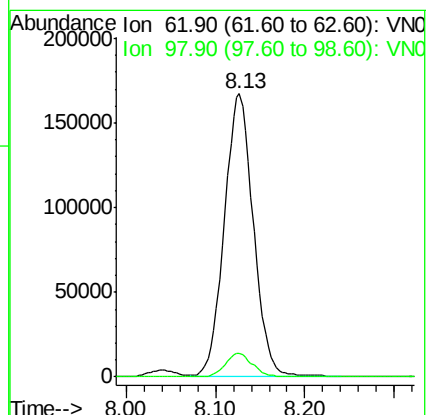
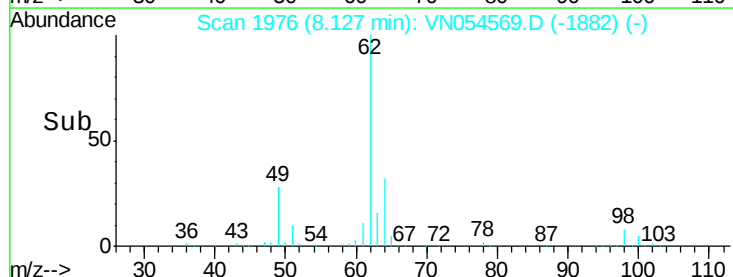
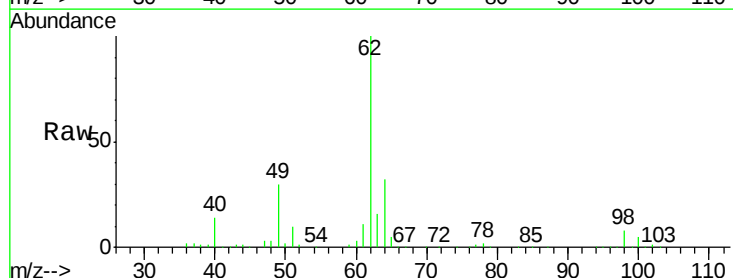
Lab File: VN054569.D

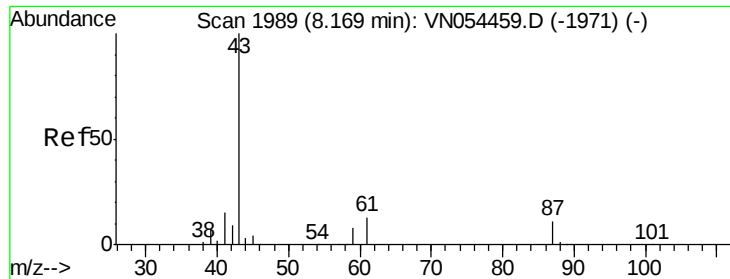
Acq: 22 Mar 2019 20:22

Tgt Ion: 62 Resp: 375274

Ion Ratio Lower Upper

62	100		
98	8.0	0.0	18.4





#43

Isopropyl Acetate

Concen: 55.672 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

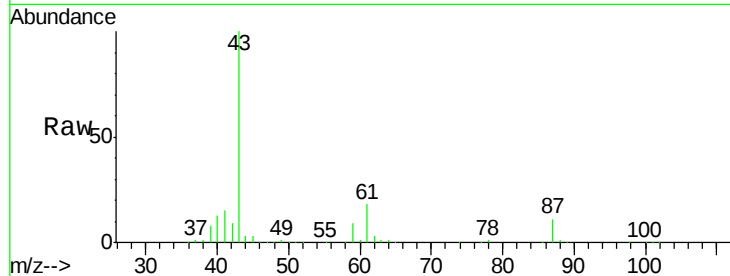
Tot Ion: 43 Resp: 466967

Ion Ratio Lower Upper

43 100

61 16.9 15.8 23.8

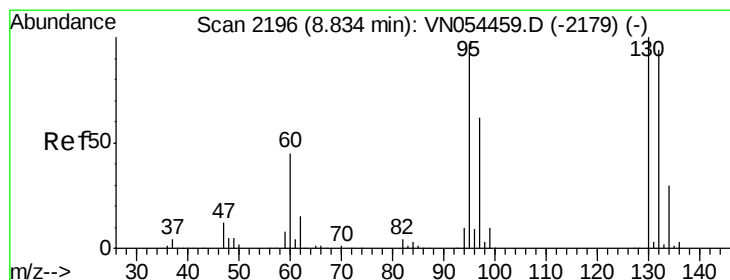
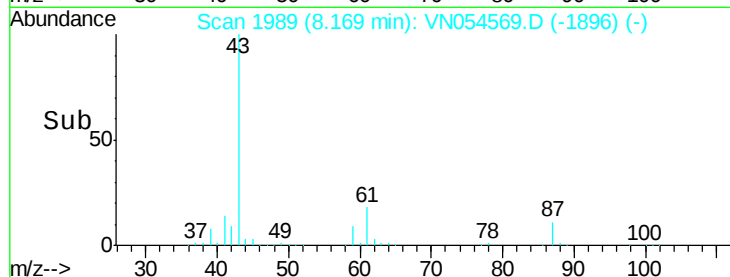
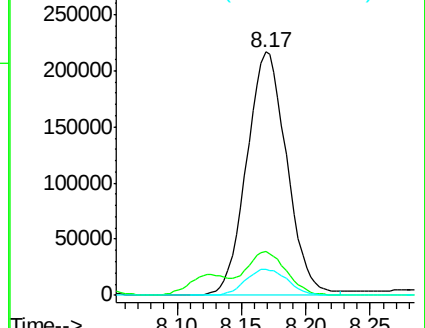
87 11.4 12.0 18.0#



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: 47.992 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054569.D

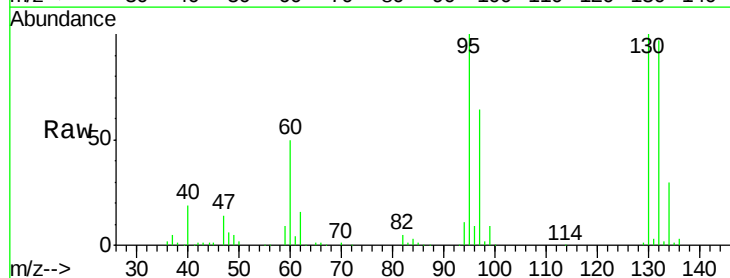
Acq: 22 Mar 2019 20:22

Tgt Ion:130 Resp: 266433

Ion Ratio Lower Upper

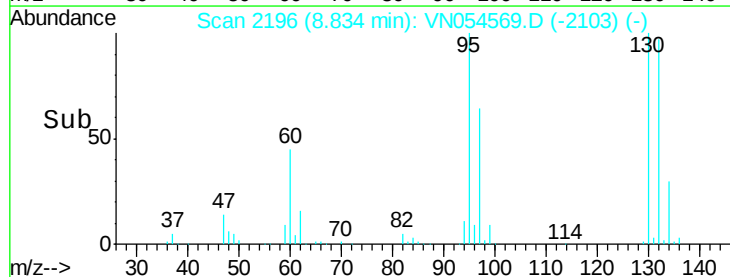
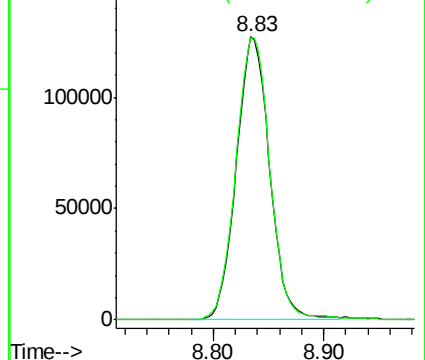
130 100

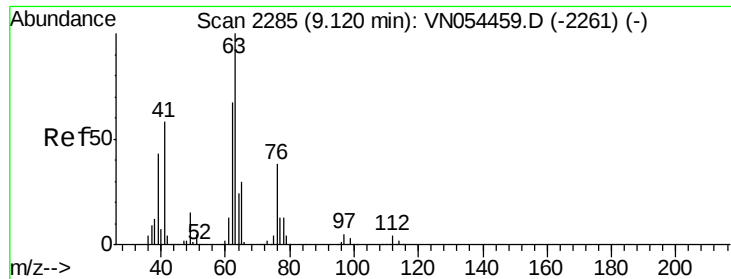
95 99.5 0.0 185.2



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: 54.499 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

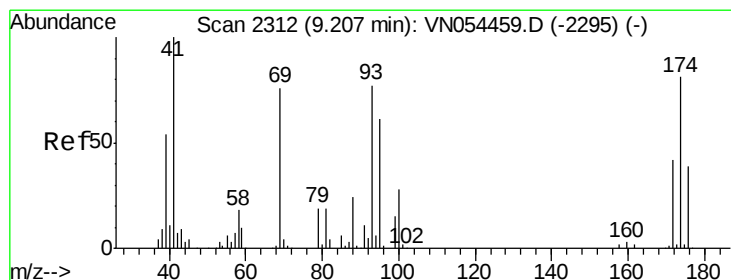
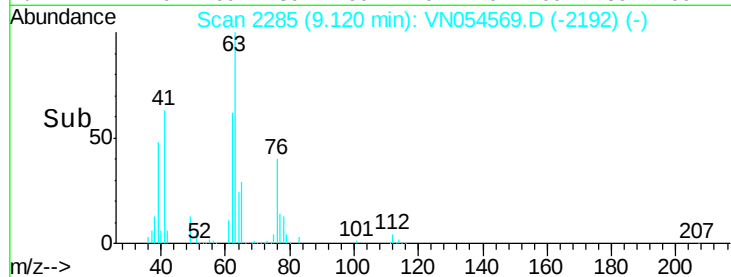
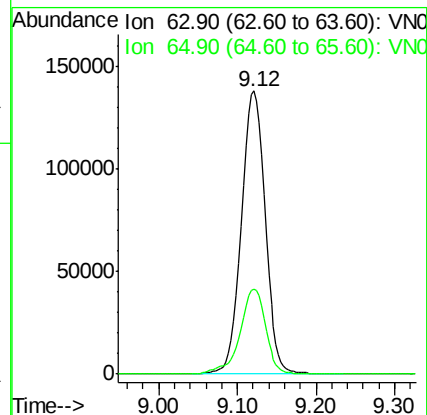
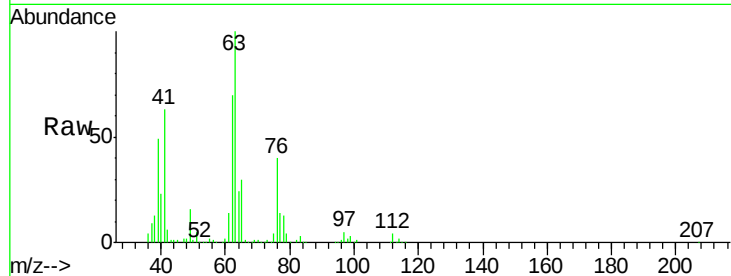
VSTDCCC050EC

Tot Ion: 63 Resp: 292219

Ion Ratio Lower Upper

63 100

65 30.0 25.0 37.6



#46

Dibromomethane

Concen: 52.427 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

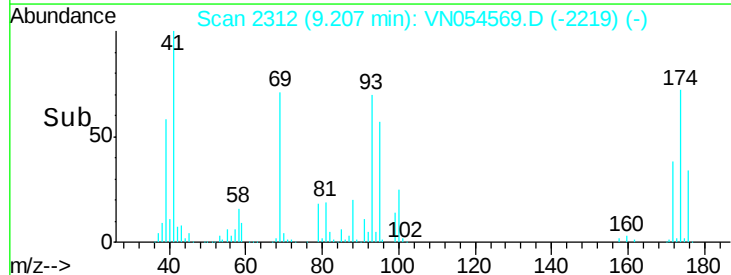
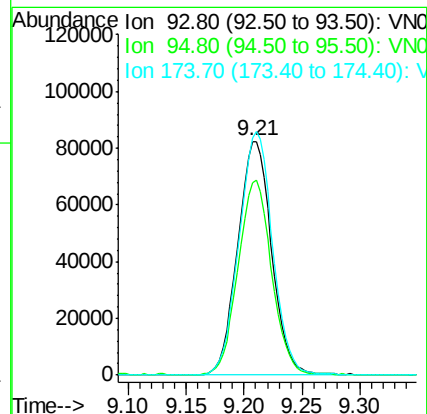
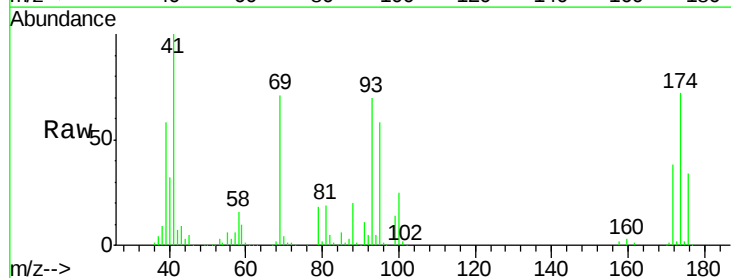
Tgt Ion: 93 Resp: 167702

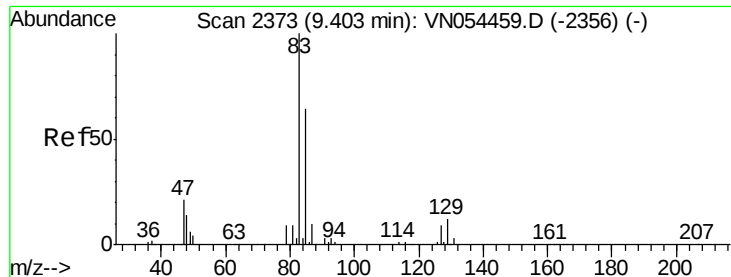
Ion Ratio Lower Upper

93 100

95 82.3 66.7 100.1

174 103.4 98.5 147.7





#47

Bromodichloromethane

Concen: 53.502 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

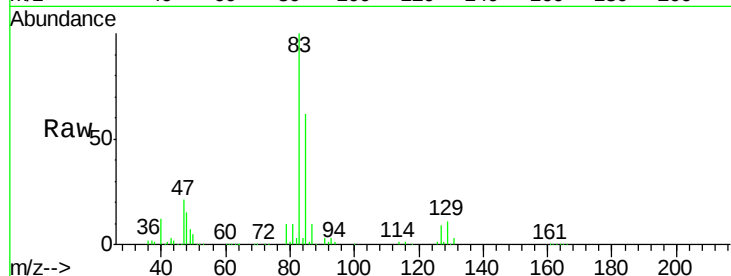
Tot Ion: 83 Resp: 355181

Ion Ratio Lower Upper

83 100

85 62.3 52.8 79.2

127 8.5 7.4 11.2

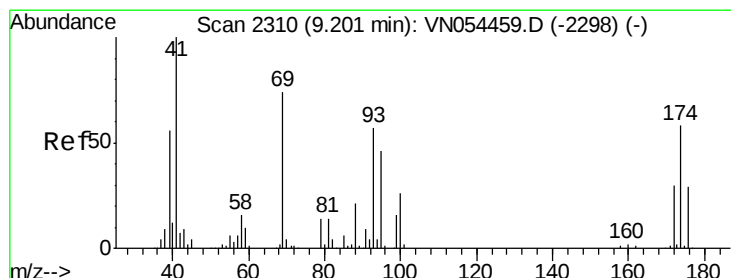
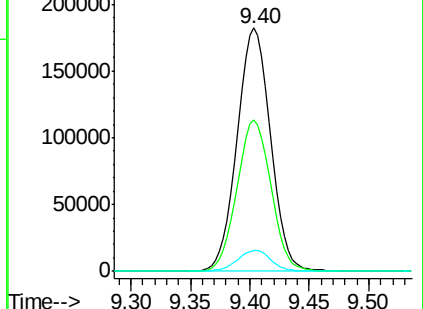
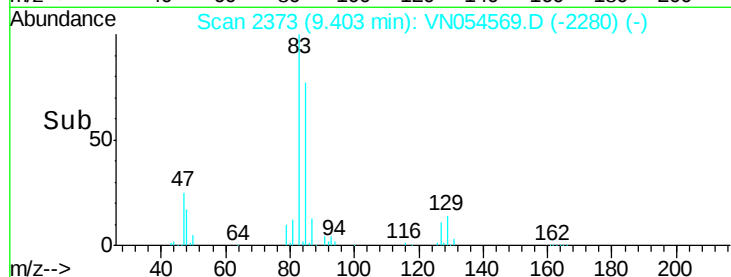


Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN054459.D (-2356) (-)

Time-->



#48

Methyl methacrylate

Concen: 53.570 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

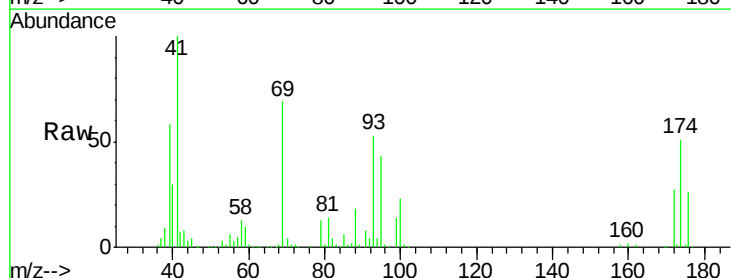
Tgt Ion: 41 Resp: 243883

Ion Ratio Lower Upper

41 100

69 72.6 72.6 108.8

39 56.9 47.5 71.3

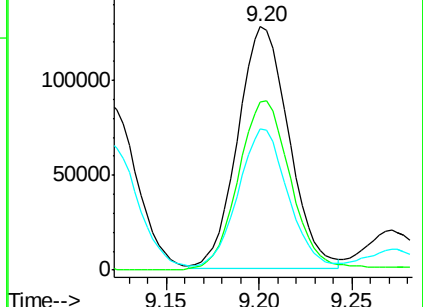
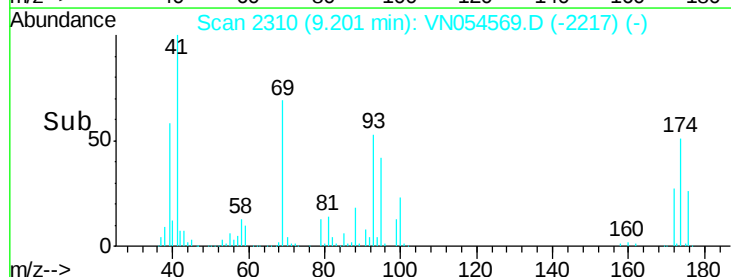


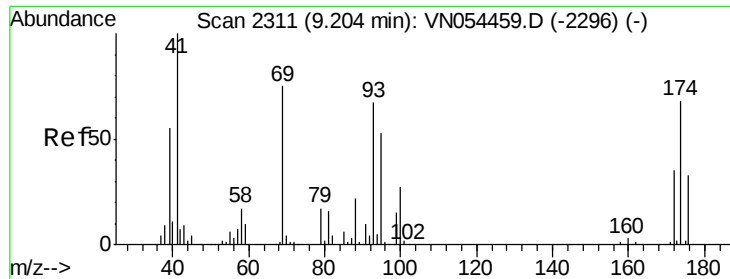
Abundance Ion 41.00 (40.70 to 41.70): VN054459.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN054459.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN054459.D (-2298) (-)

Time-->





#49

1,4-Dioxane

Concen: 980.127 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

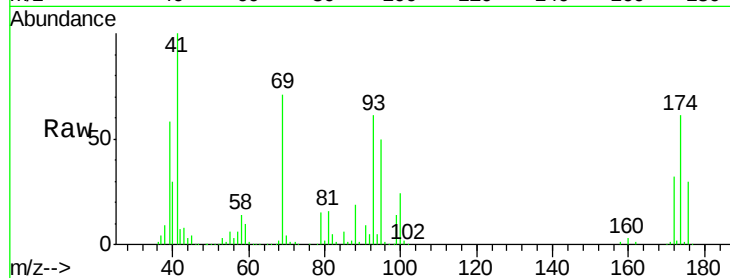
Tot Ion: 88 Resp: 49884

Ion Ratio Lower Upper

88 100

43 40.3 24.1 36.1#

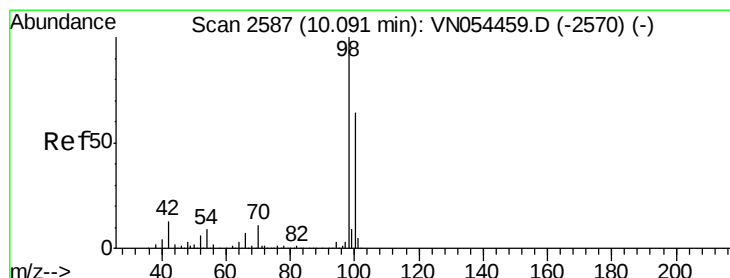
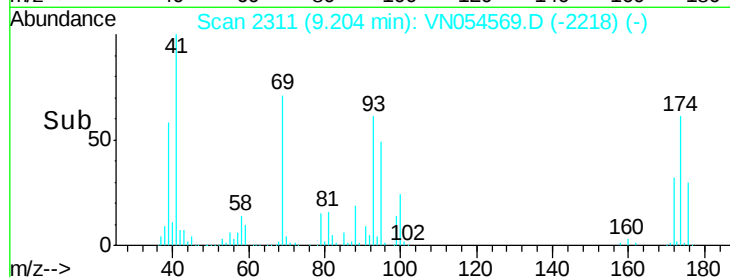
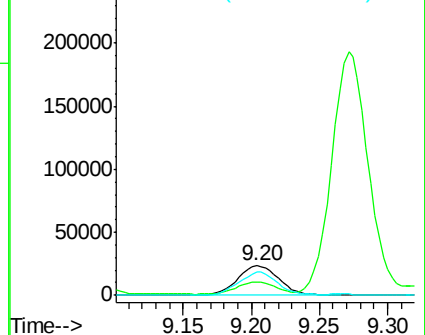
58 73.7 50.8 76.2



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: 49.587 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054569.D

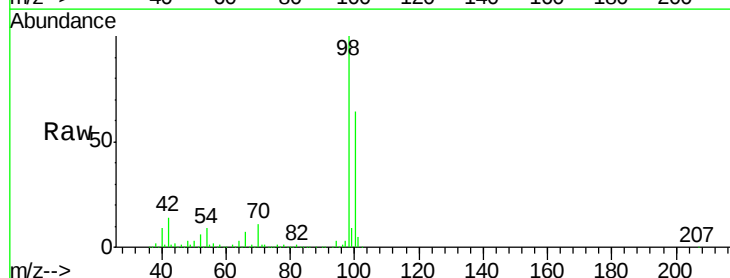
Acq: 22 Mar 2019 20:22

Tgt Ion: 98 Resp: 896942

Ion Ratio Lower Upper

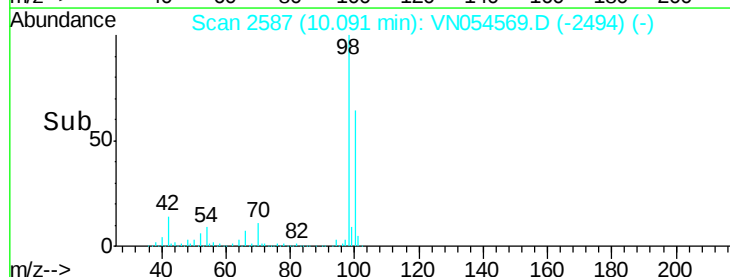
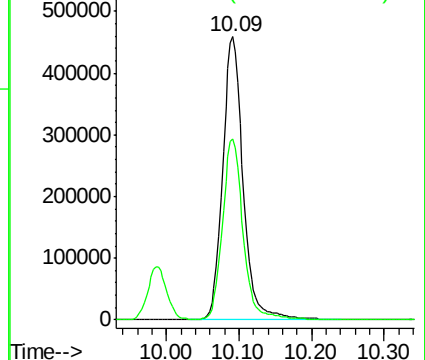
98 100

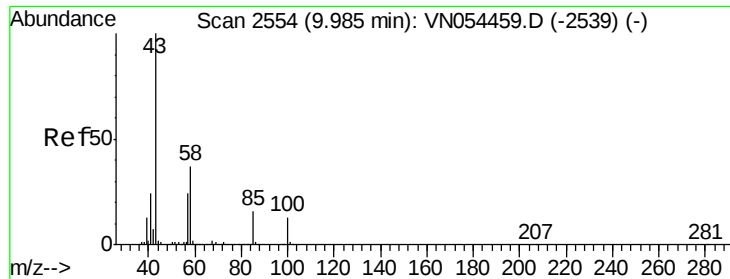
100 64.3 51.2 76.8



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

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

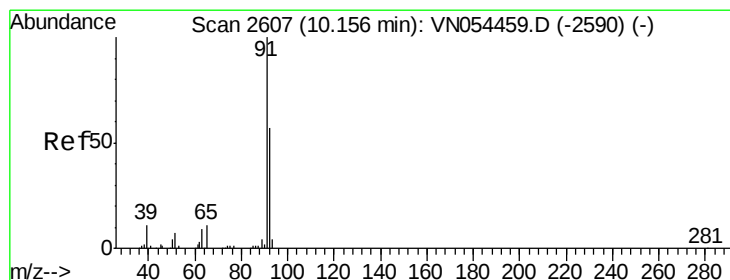
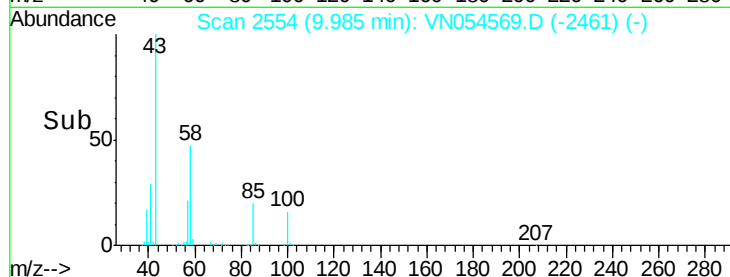
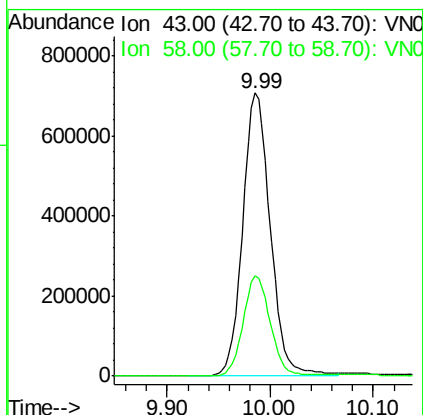
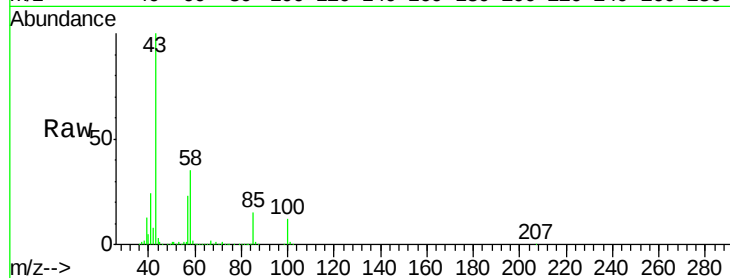




#51
 4-Methyl-2-Pentanone
 Concen: 281.751 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

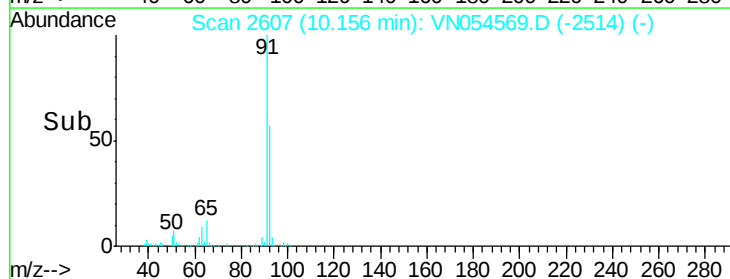
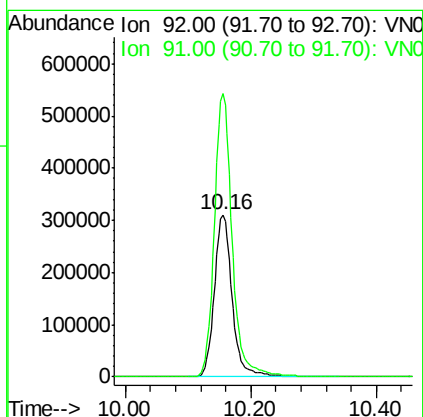
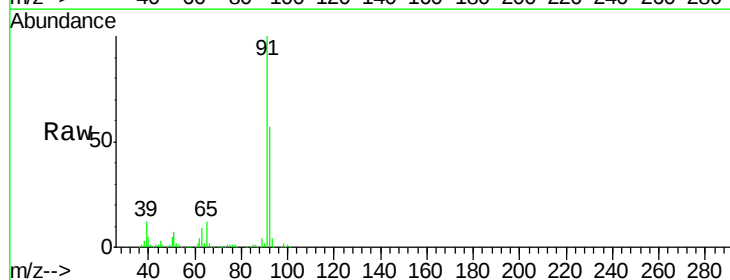
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

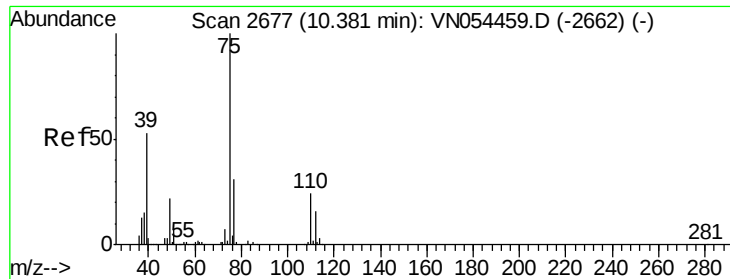
Tot Ion: 43 Resp: 1309740
 Ion Ratio Lower Upper
 43 100
 58 35.1 31.8 47.6



#52
 Toluene
 Concen: 50.053 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

Tgt Ion: 92 Resp: 614722
 Ion Ratio Lower Upper
 92 100
 91 174.5 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 47.634 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

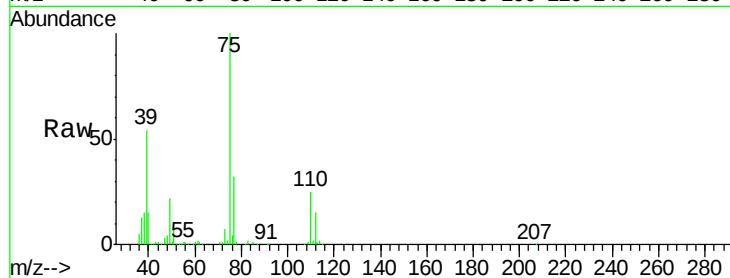
VSTDCCC050EC

Tot Ion: 75 Resp: 332805

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

10.38

200000

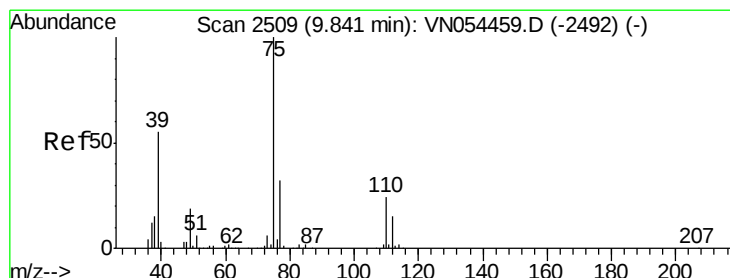
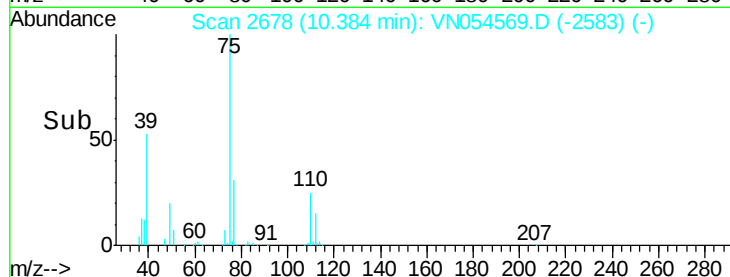
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.317 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

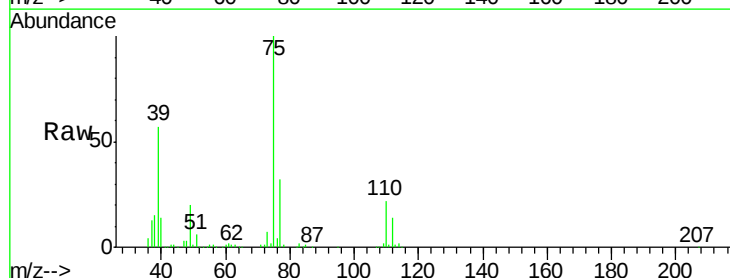
Tgt Ion: 75 Resp: 405842

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

39 56.8 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

300000

250000

200000

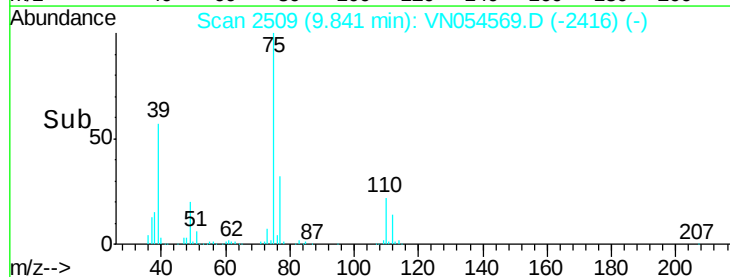
150000

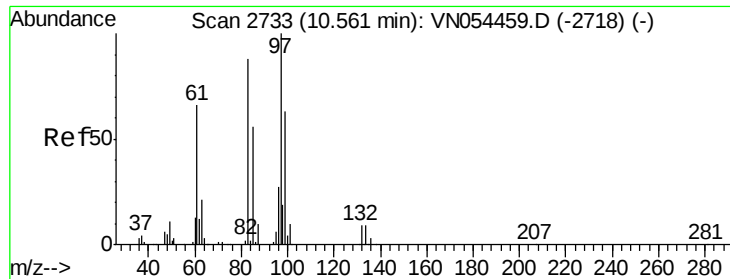
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.060 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 229829

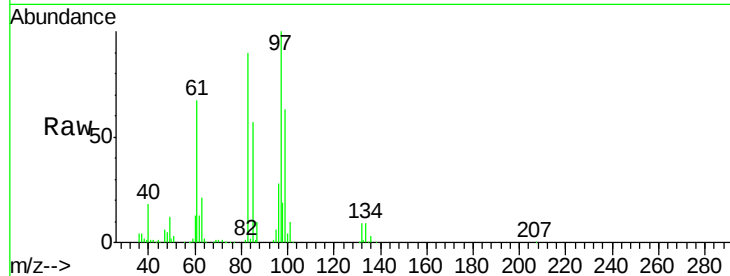
Ion Ratio Lower Upper

97 100

83 89.6 66.6 100.0

85 57.0 44.4 66.6

99 63.1 50.8 76.2

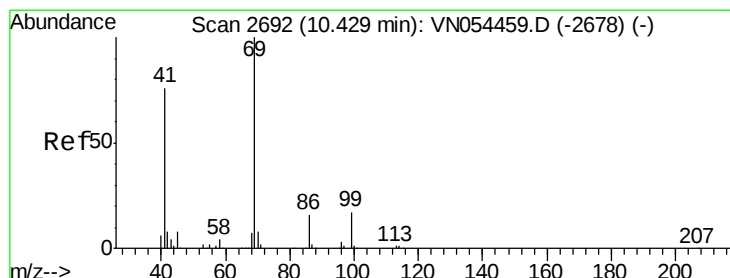
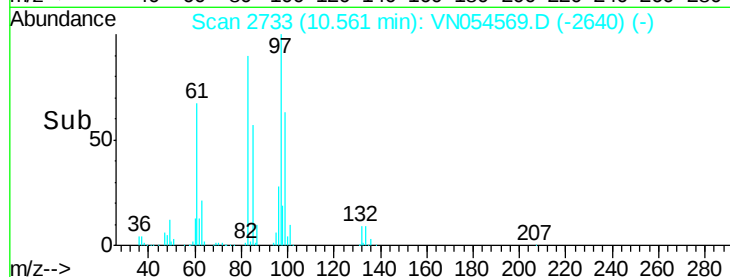
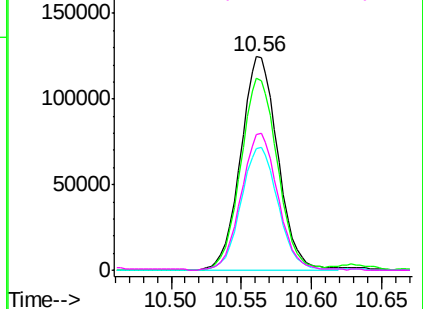


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 53.061 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

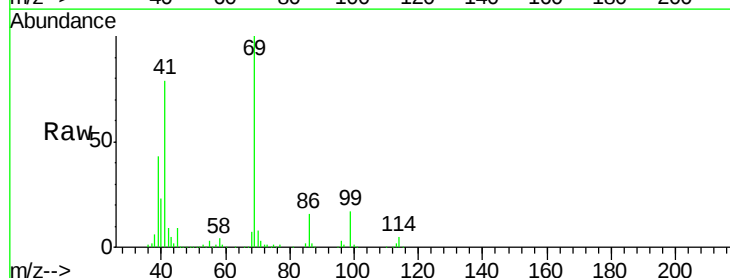
Tgt Ion: 69 Resp: 314410

Ion Ratio Lower Upper

69 100

41 79.1 49.4 74.2#

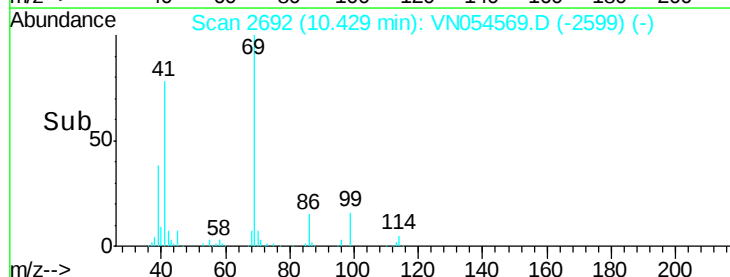
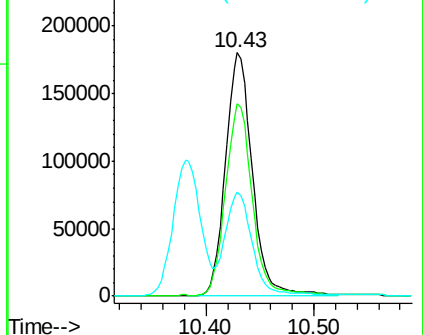
39 41.9 28.3 42.5

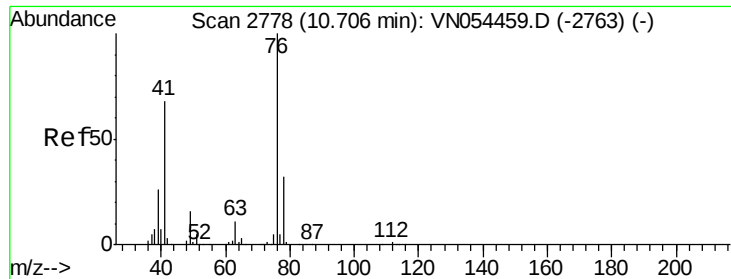


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

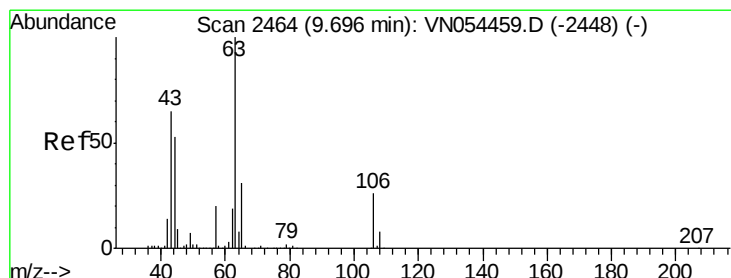
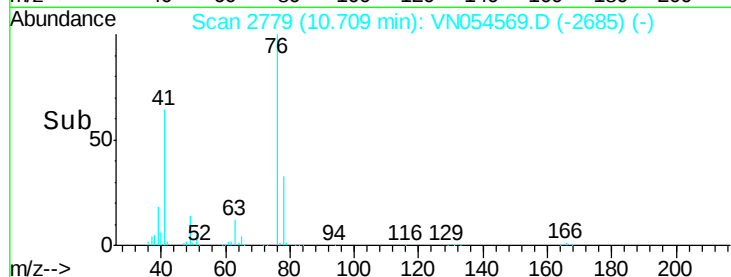
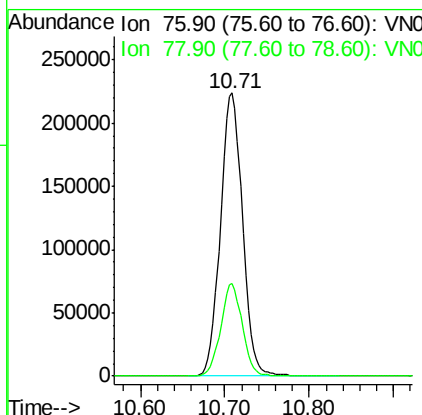
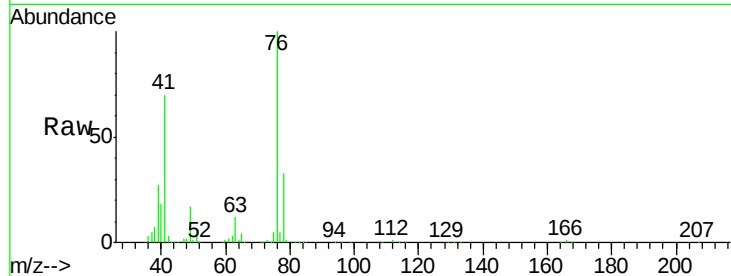




#57
 1,3-Dichloropropane
 Concen: 53.020 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

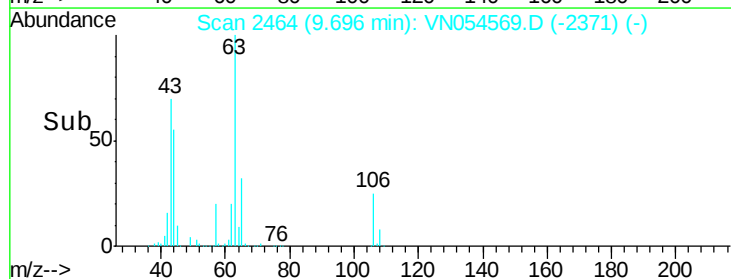
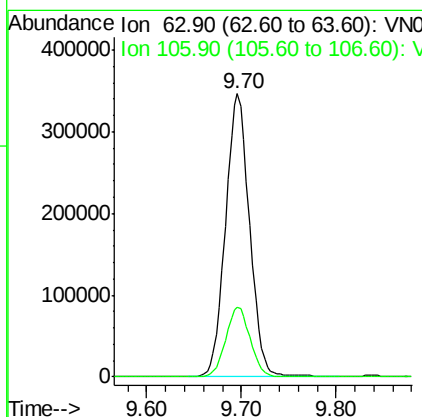
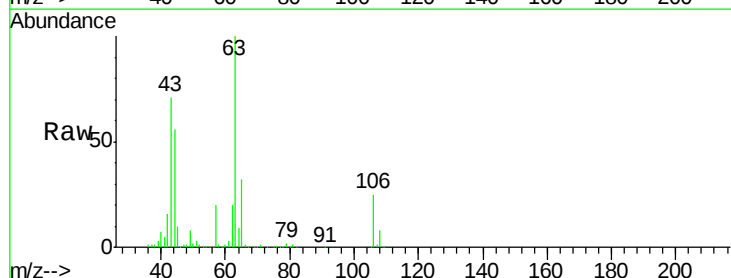
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

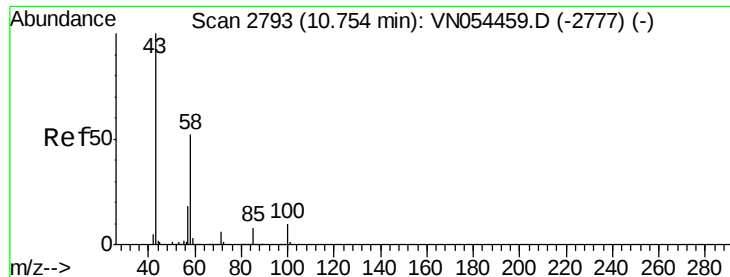
Tot Ion: 76 Resp: 406889
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.588 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

Tgt Ion: 63 Resp: 613867
 Ion Ratio Lower Upper
 63 100
 106 24.8 24.4 36.6

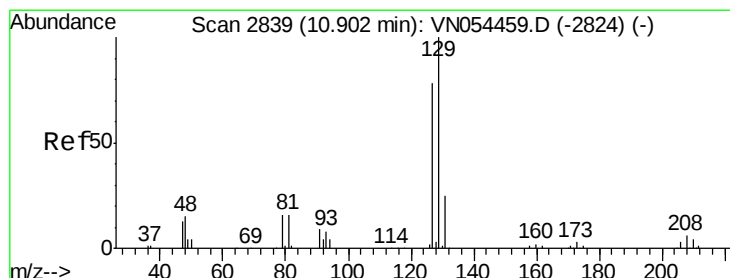
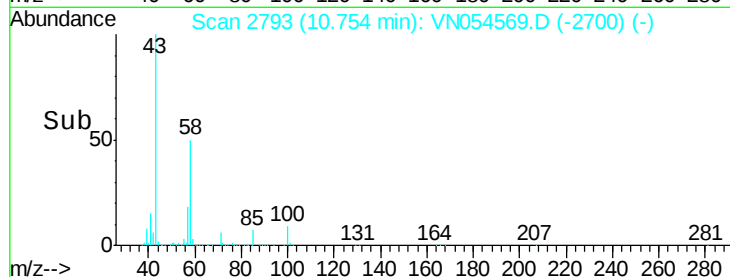
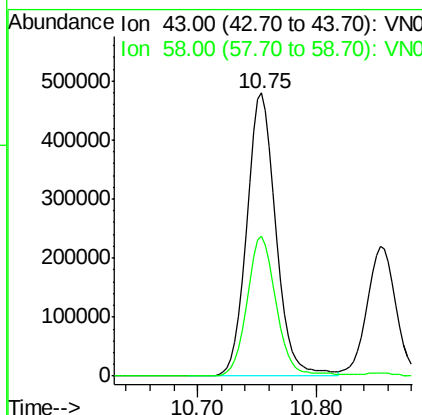
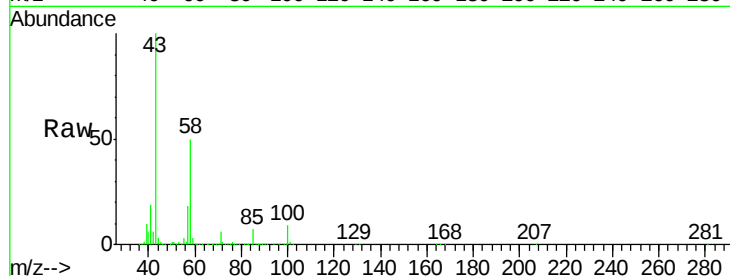




#59
2-Hexanone
Concen: 266.548 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

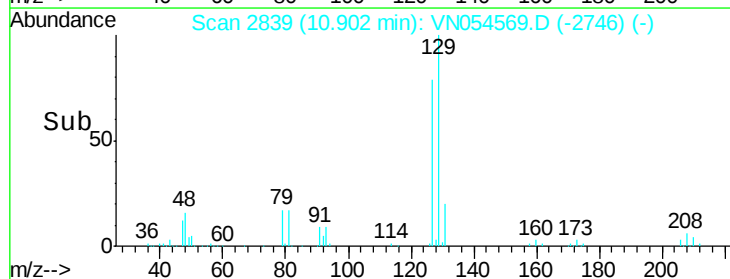
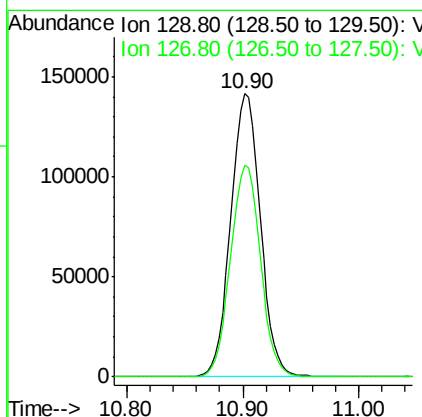
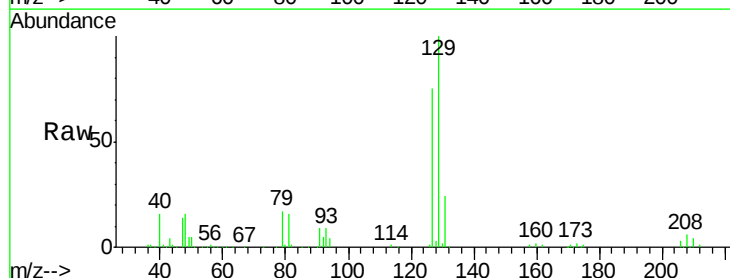
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

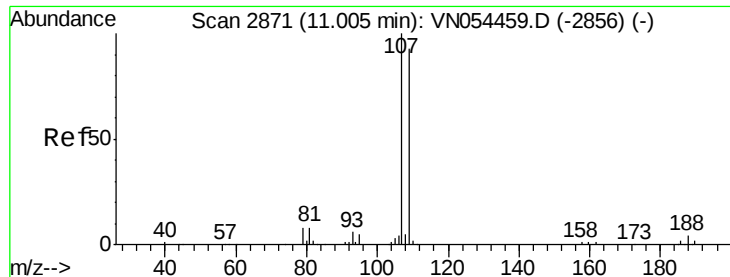
Tot Ion: 43 Resp: 809343
Ion Ratio Lower Upper
43 100
58 49.8 28.0 83.9



#60
Dibromochloromethane
Concen: 53.470 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion: 129 Resp: 251184
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.952 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

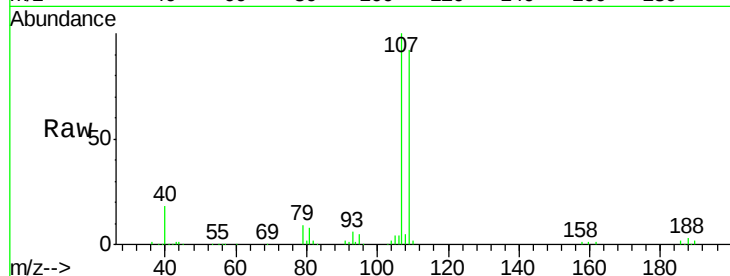
VSTDCCC050EC

Tot Ion:107 Resp: 226746

Ion Ratio Lower Upper

107 100

109 92.2 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

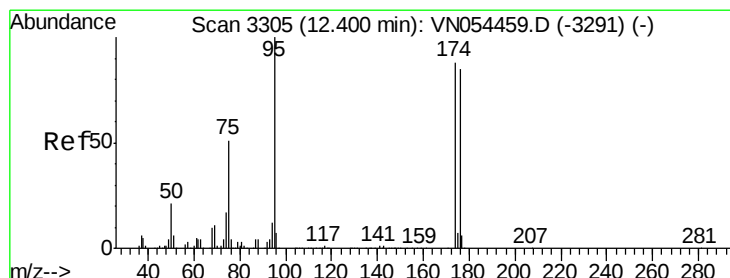
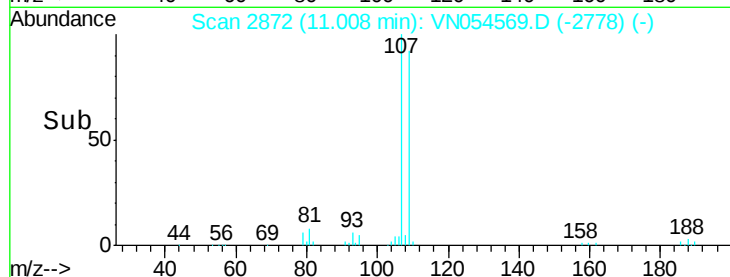
11.01

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.181 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

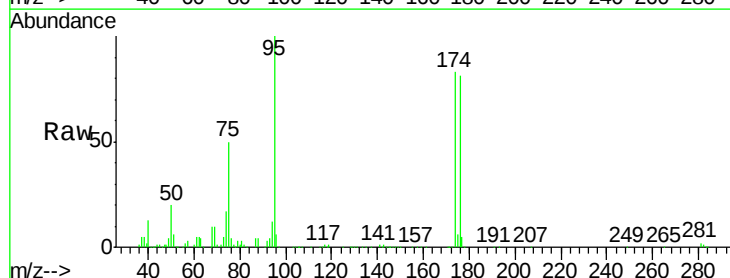
Tgt Ion: 95 Resp: 302717

Ion Ratio Lower Upper

95 100

174 83.7 0.0 191.0

176 80.5 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

200000

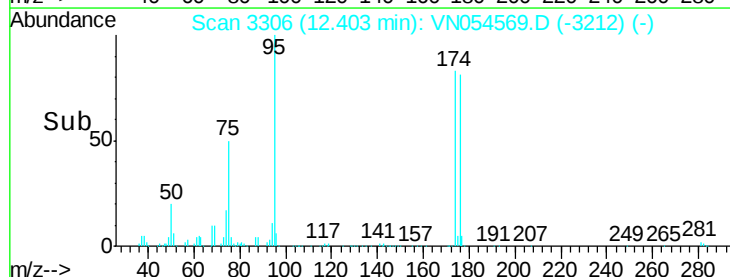
150000

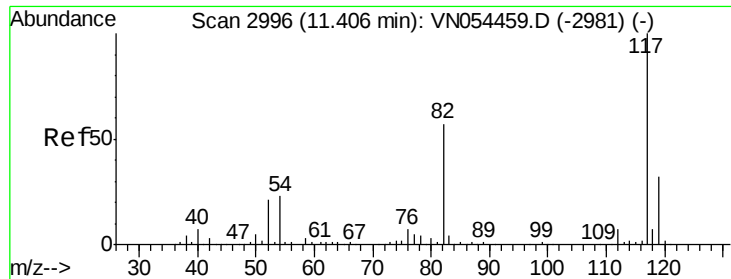
100000

50000

0

Time--> 12.30 12.40 12.50

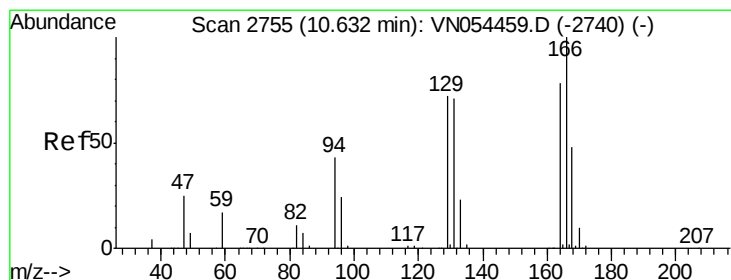
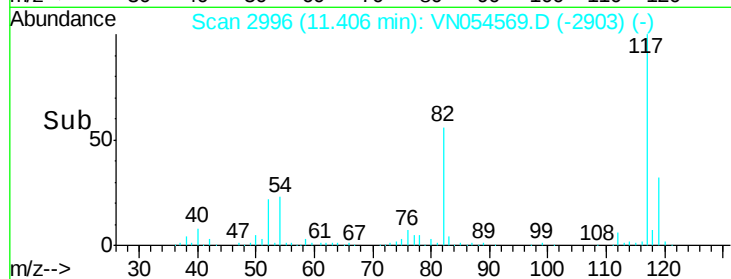
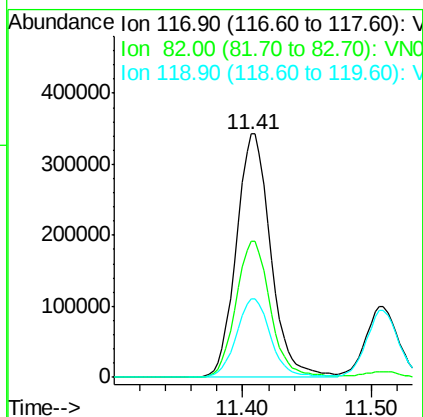
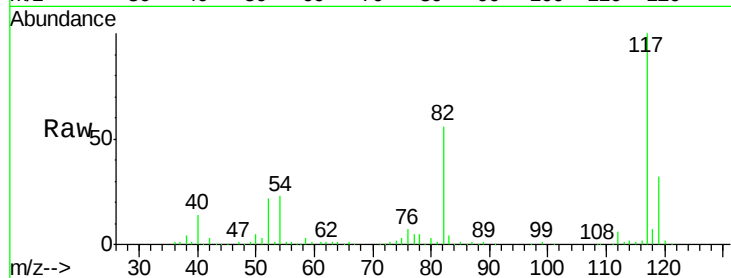




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

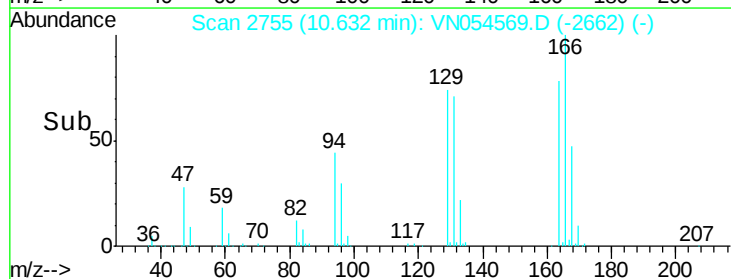
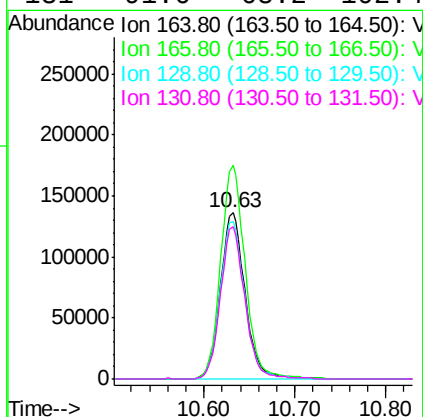
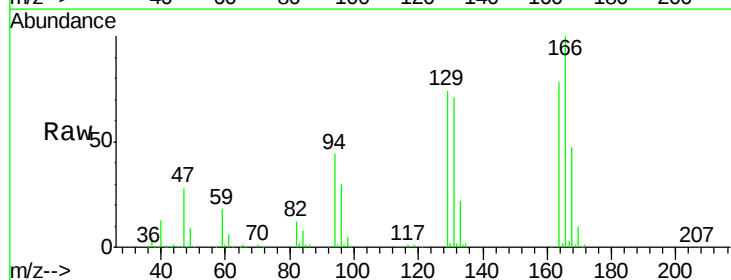
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

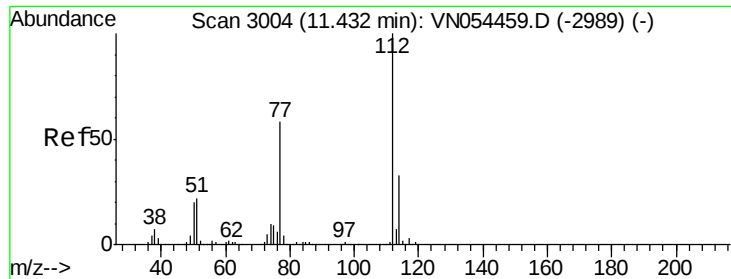
Tot Ion:117 Resp: 637885
Ion Ratio Lower Upper
117 100
82 56.1 40.0 60.0
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 48.463 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion:164 Resp: 256419
Ion Ratio Lower Upper
164 100
166 128.7 103.9 155.9
129 95.0 71.1 106.7
131 91.6 68.2 102.4





#65

Chlorobenzene

Concen: 49.658 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

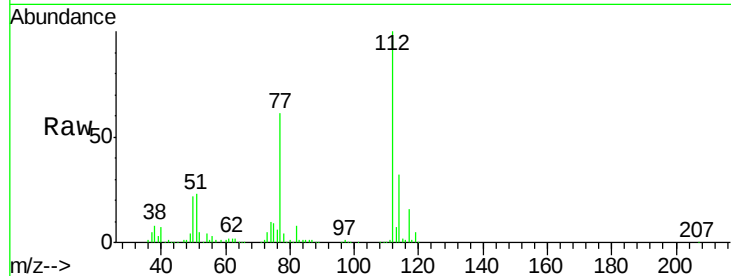
VSTDCCC050EC

Tot Ion:112 Resp: 644255

Ion Ratio Lower Upper

112 100

114 32.1 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

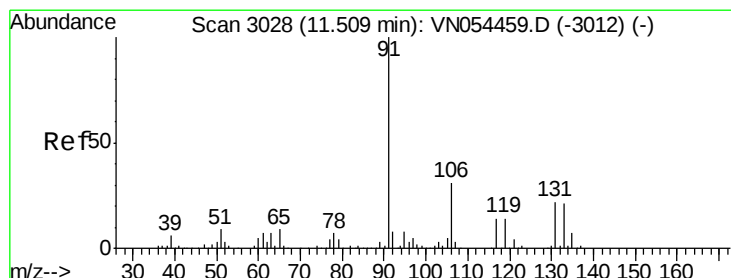
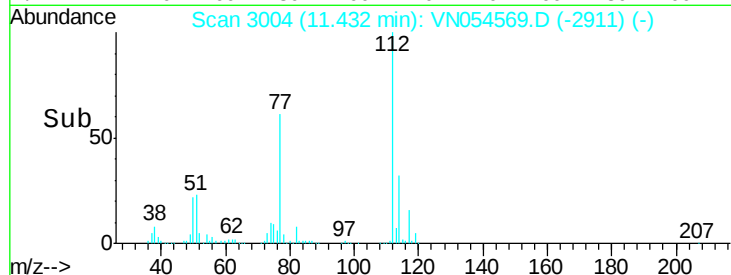
300000

200000

100000

0

Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 53.477 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

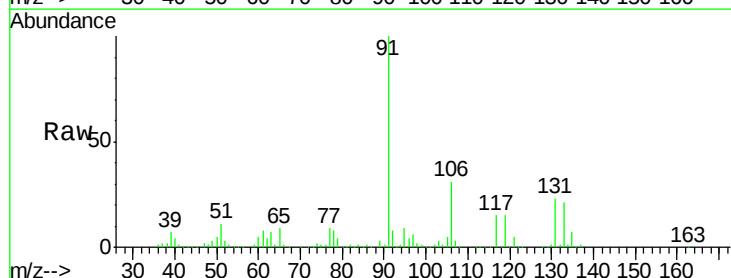
Tgt Ion:131 Resp: 249029

Ion Ratio Lower Upper

131 100

133 95.7 47.6 142.9

119 65.8 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

200000

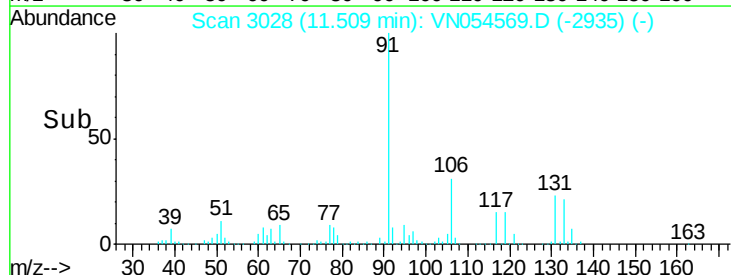
150000

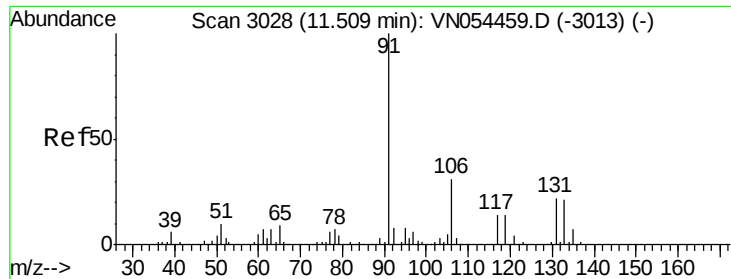
100000

50000

0

Time--> 11.40 11.50 11.60

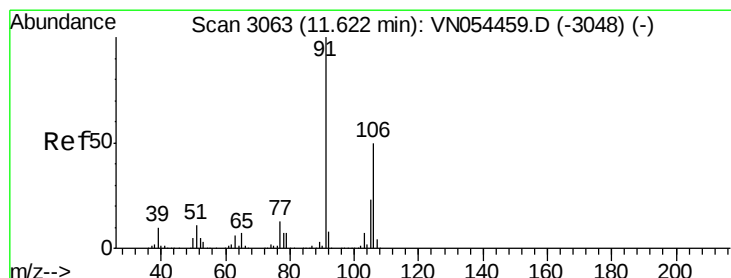
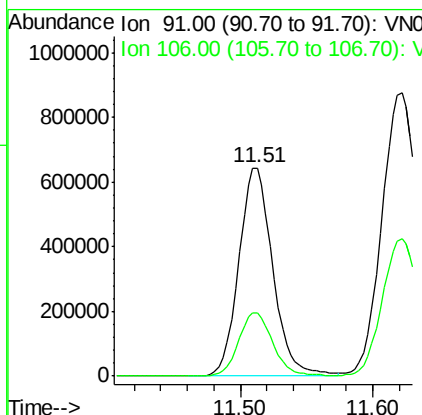
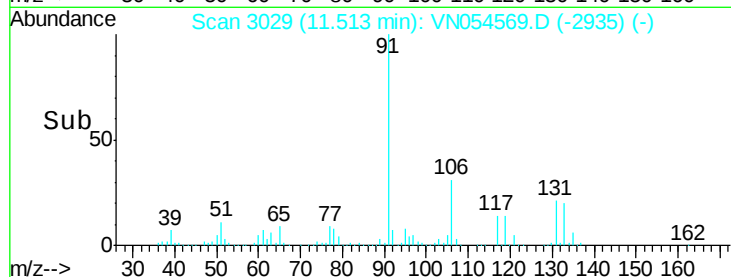
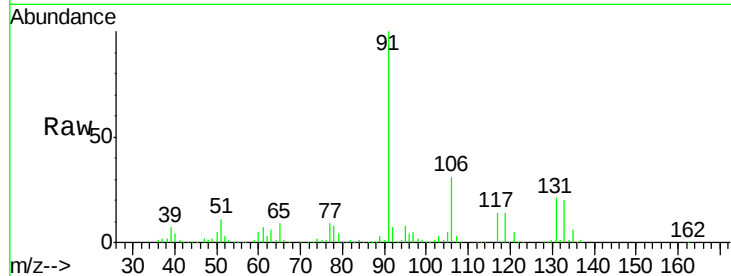




#67
Ethvl Benzene
Concen: 50.060 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

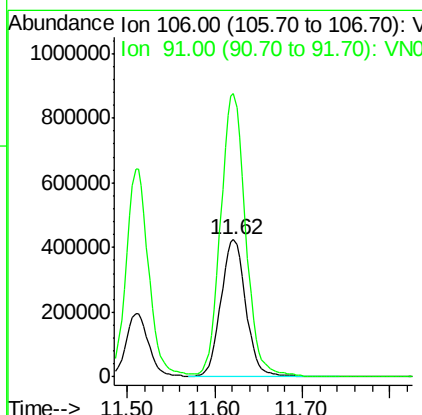
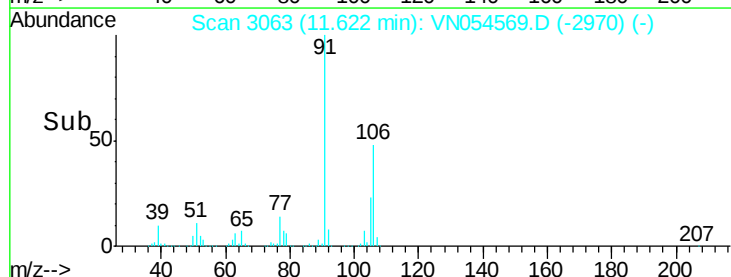
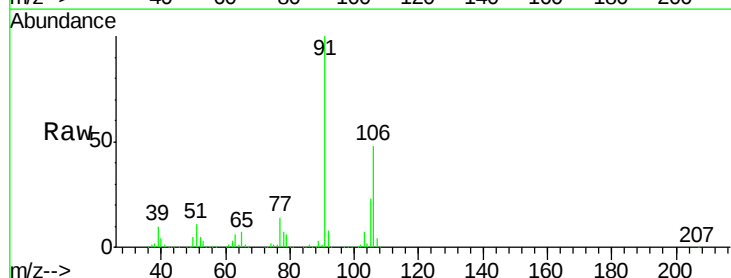
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

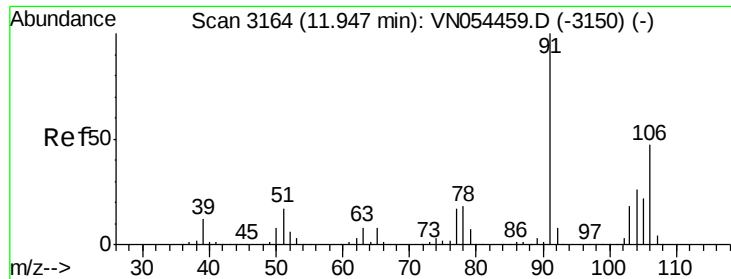
Tot Ion: 91 Resp: 1147252
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3



#68
m/p-Xylenes
Concen: 97.667 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion:106 Resp: 847805
Ion Ratio Lower Upper
106 100
91 206.2 159.4 239.2

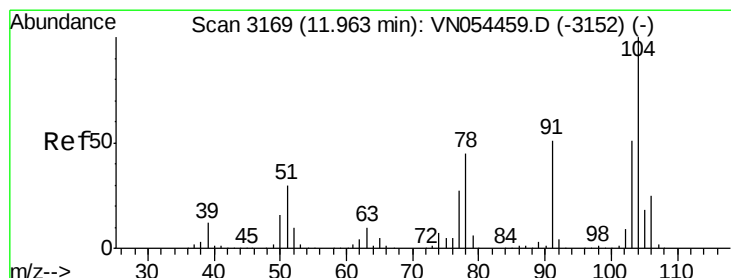
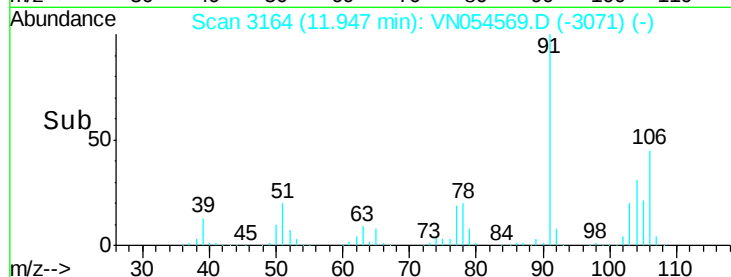
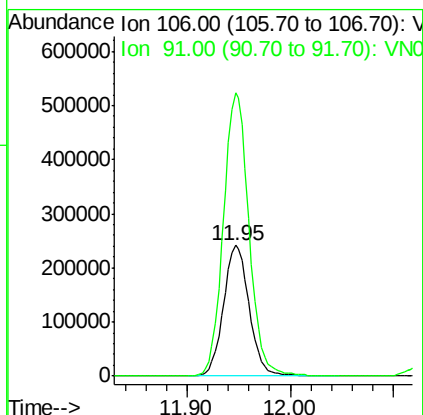
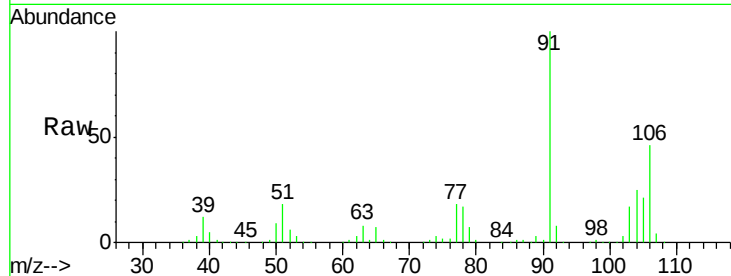




#69
o-Xylene
Concen: 49.448 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

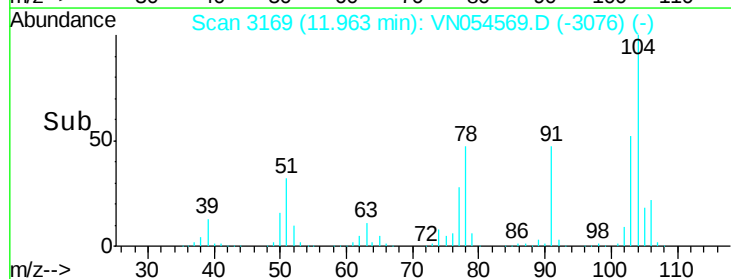
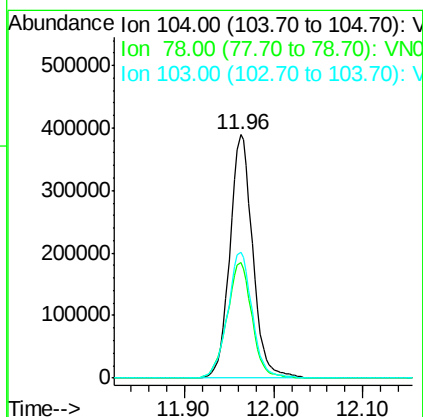
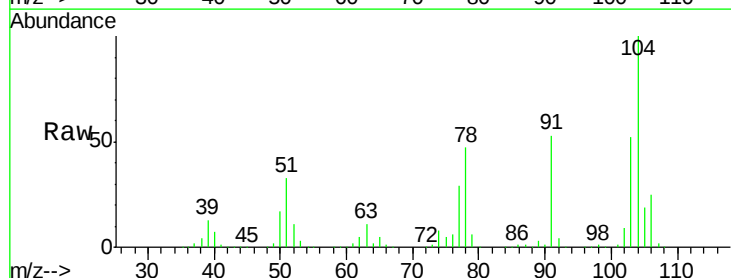
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

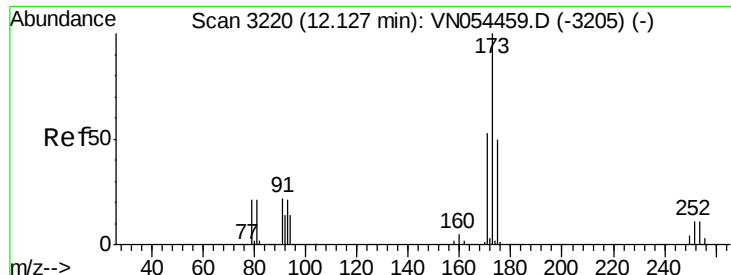
Tot Ion:106 Resp: 419191
Ion Ratio Lower Upper
106 100
91 215.6 105.7 317.1



#70
Styrene
Concen: 50.107 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion:104 Resp: 689807
Ion Ratio Lower Upper
104 100
78 52.1 38.2 57.2
103 55.9 44.4 66.6

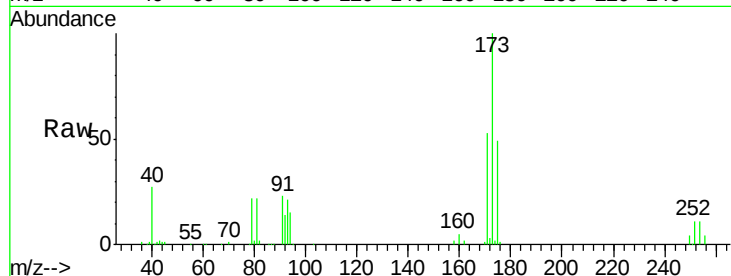




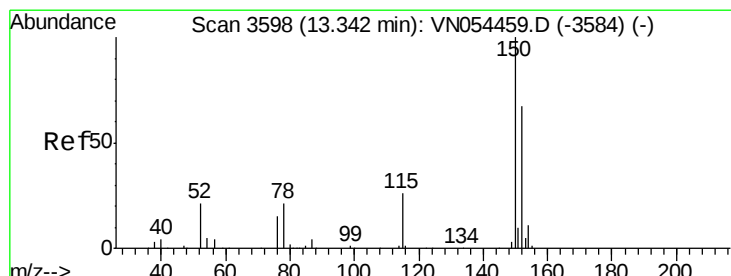
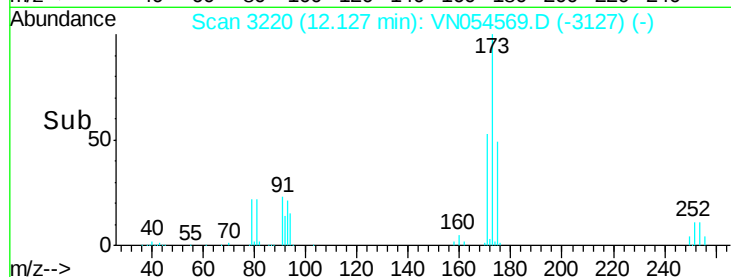
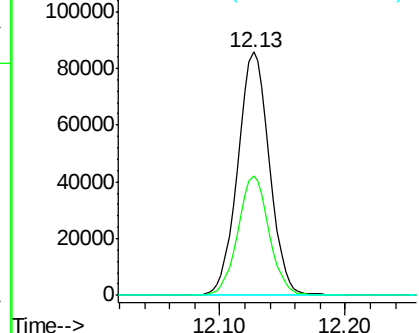
#71
Bromoform
Concen: 46.813 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 149814
Ion Ratio Lower Upper
173 100
175 48.4 24.4 73.2
254 0.0 0.1 0.1#

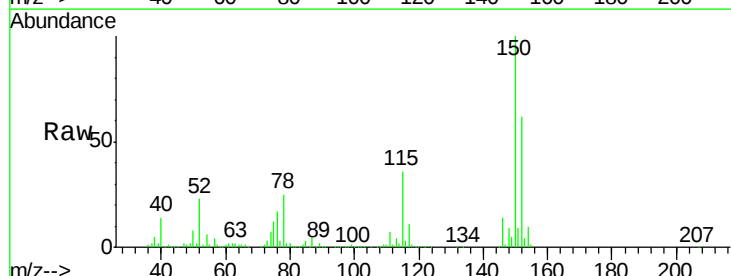


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

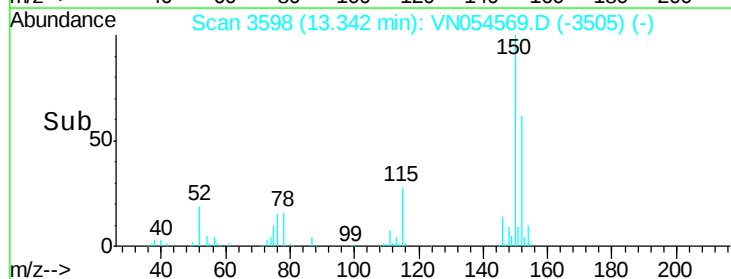
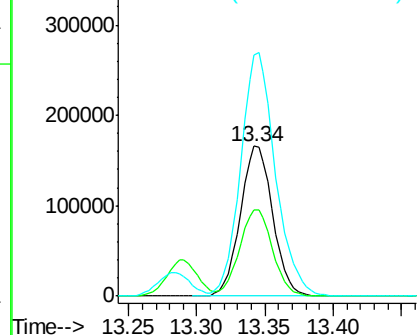


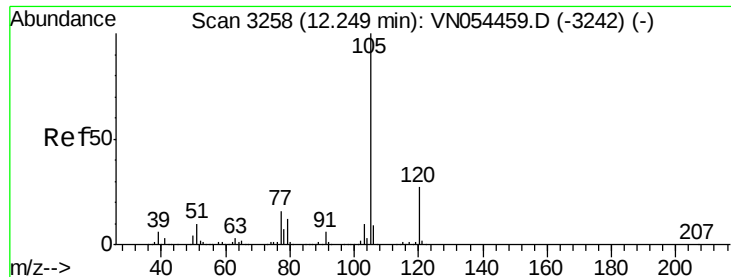
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion:152 Resp: 273202
Ion Ratio Lower Upper
152 100
115 58.6 27.2 81.6
150 174.0 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: 49.670 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

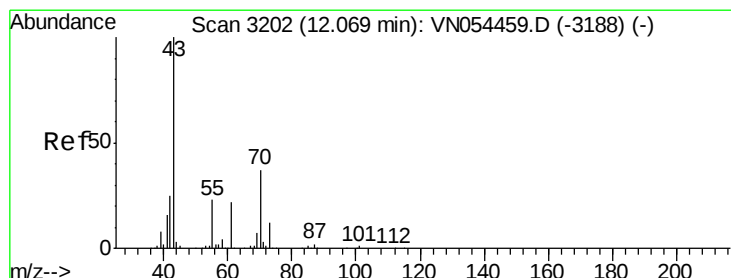
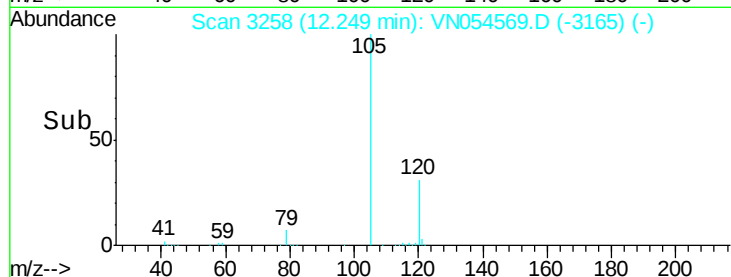
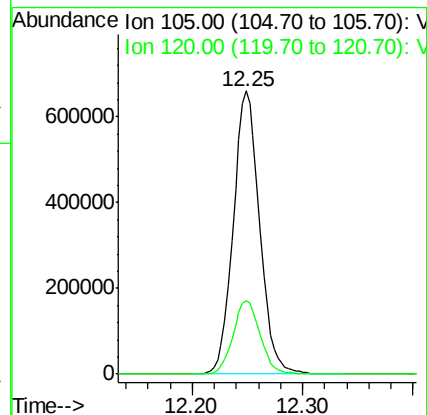
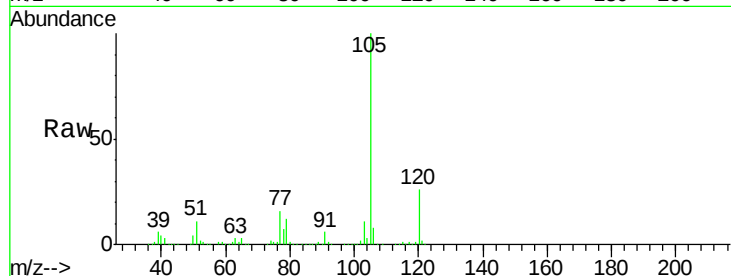
VSTDCCC050EC

Tot Ion:105 Resp: 1093487

Ion Ratio Lower Upper

105 100

120 26.6 13.8 41.3



#74

N-ethyl acetate

Concen: 56.771 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Tgt Ion: 43 Resp: 359370

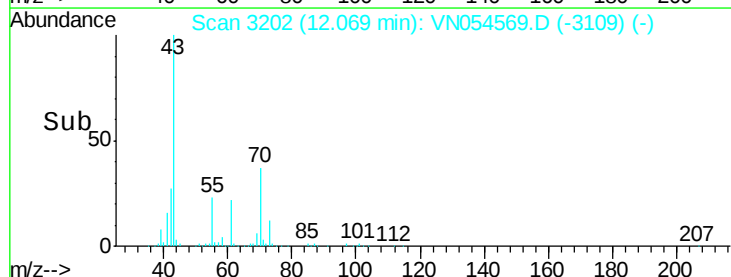
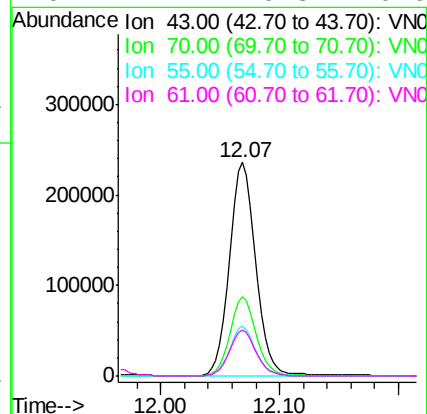
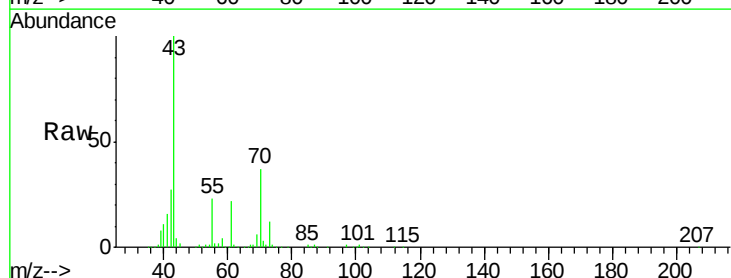
Ion Ratio Lower Upper

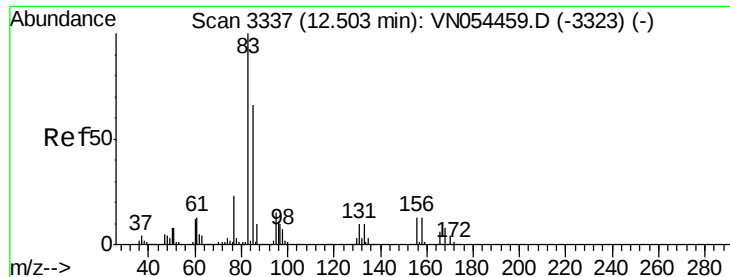
43 100

70 37.3 35.4 53.0

55 23.4 19.8 29.6

61 21.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.083 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

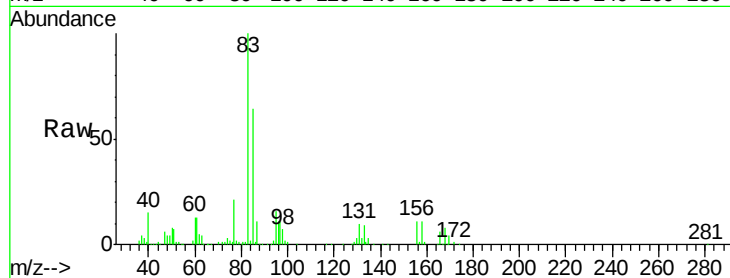
Tot Ion: 83 Resp: 276822

Ion Ratio Lower Upper

83 100

131 10.3 5.8 17.4

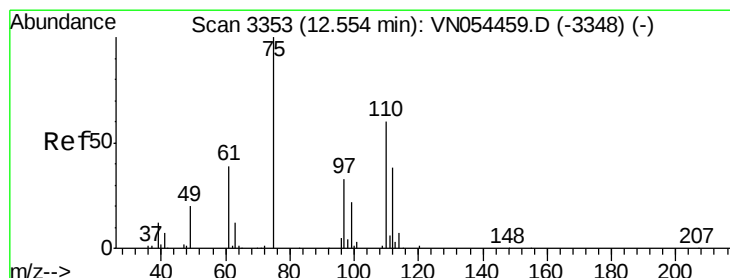
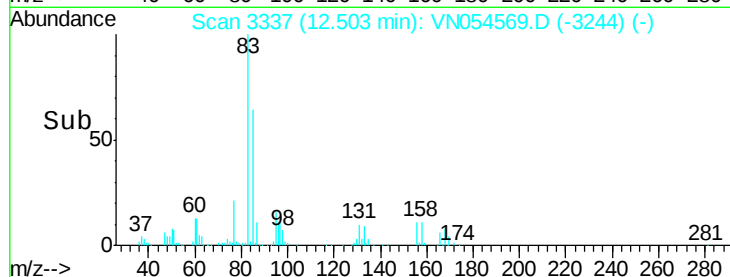
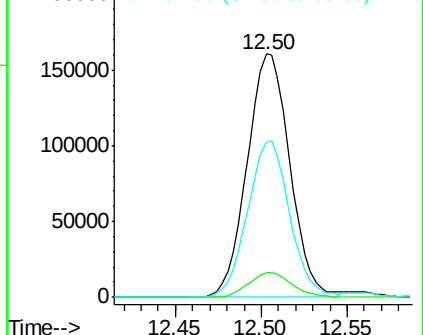
85 63.3 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 76.543 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054569.D

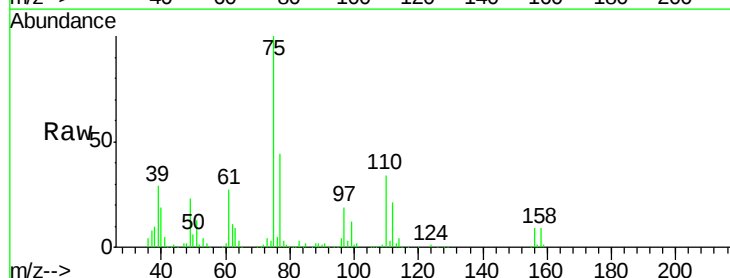
Acq: 22 Mar 2019 20:22

Tgt Ion: 75 Resp: 331835

Ion Ratio Lower Upper

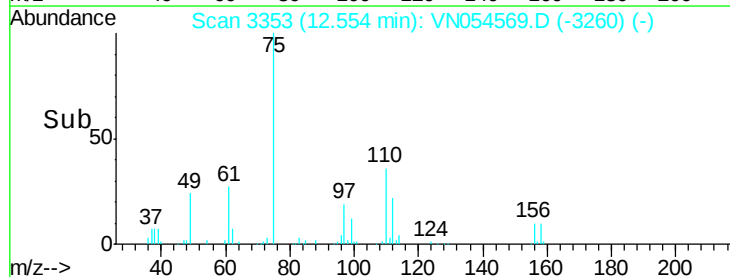
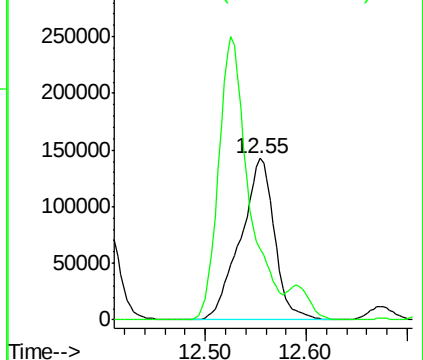
75 100

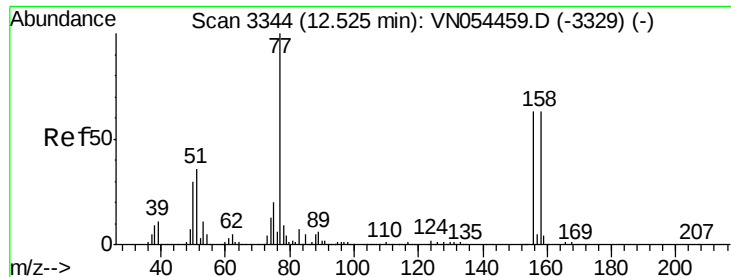
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.839 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

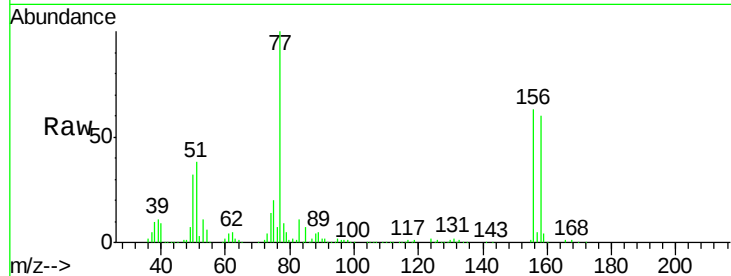
Tot Ion:156 Resp: 272125

Ion Ratio Lower Upper

156 100

77 192.1 81.5 244.4

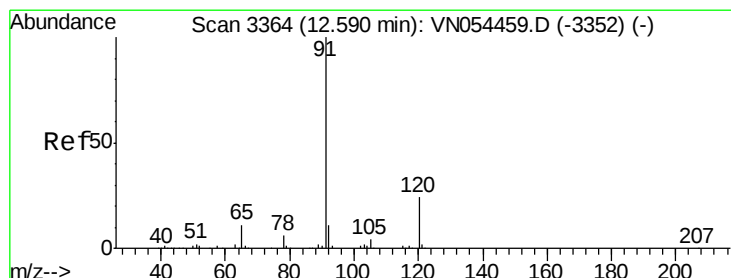
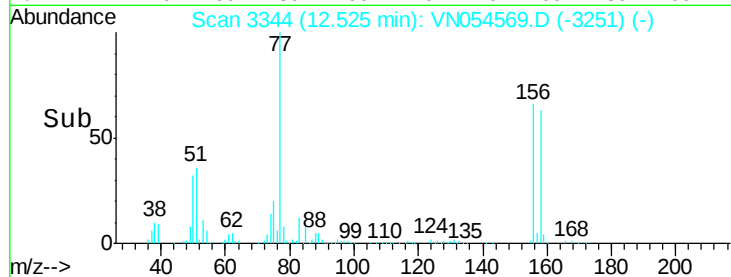
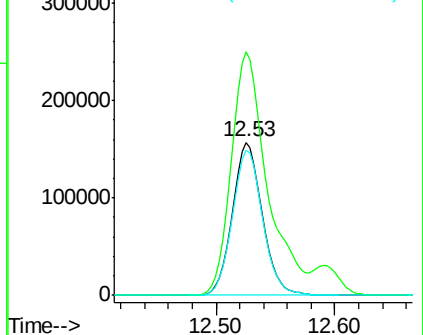
158 96.7 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.923 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054569.D

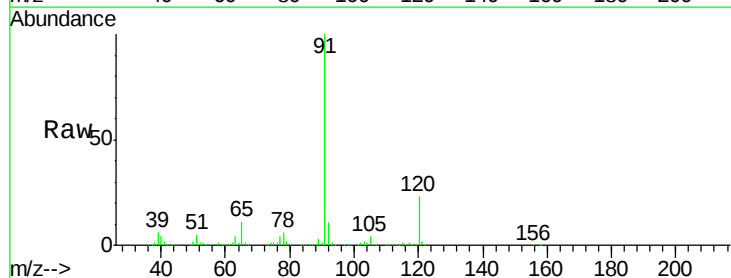
Acq: 22 Mar 2019 20:22

Tgt Ion: 91 Resp: 1191771

Ion Ratio Lower Upper

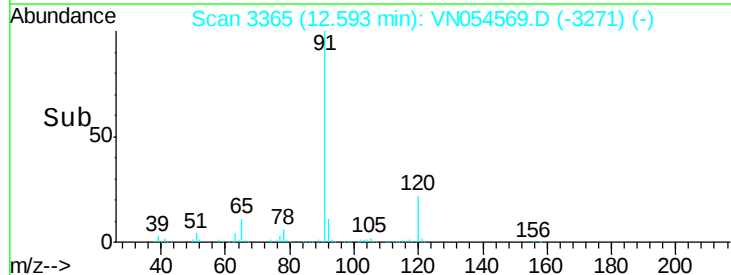
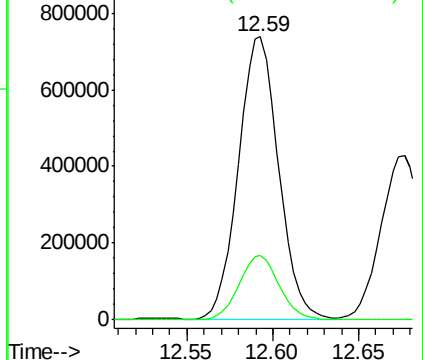
91 100

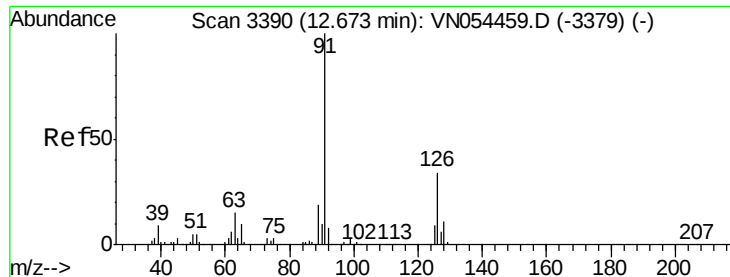
120 23.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.239 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

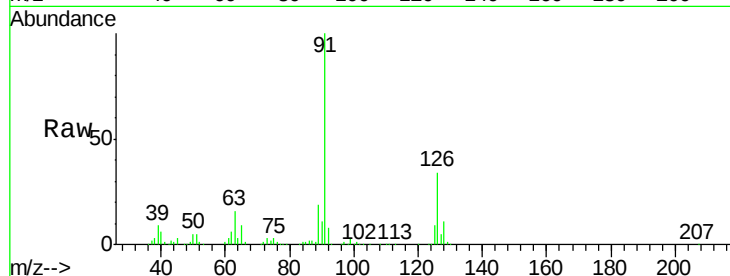
VSTDCCC050EC

Tot Ion: 91 Resp: 733000

Ion Ratio Lower Upper

91 100

126 34.3 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)

12.68

400000

300000

200000

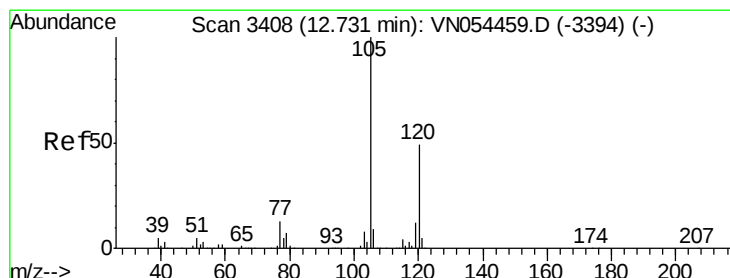
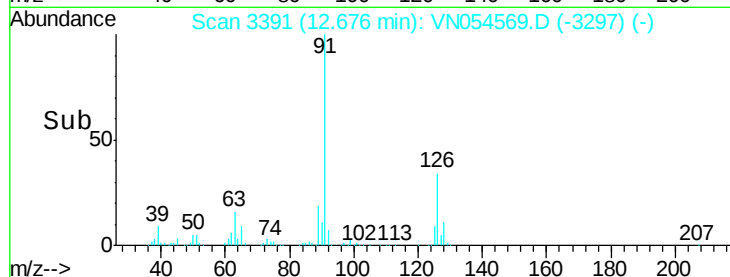
100000

0

Time-->

12.65

12.70



#80

1,3,5-Trimethylbenzene

Concen: 49.089 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054569.D

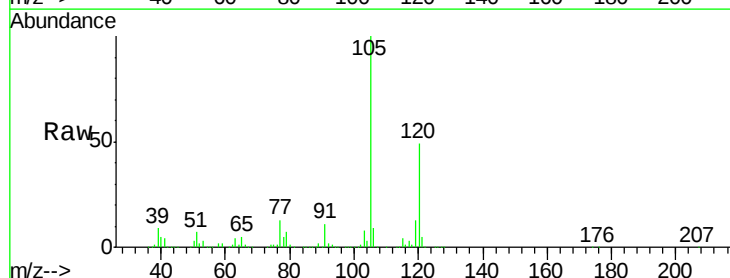
Acq: 22 Mar 2019 20:22

Tgt Ion: 105 Resp: 885720

Ion Ratio Lower Upper

105 100

120 48.5 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

12.73

600000

500000

400000

300000

200000

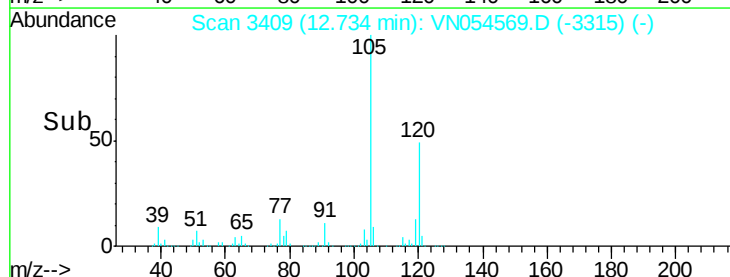
100000

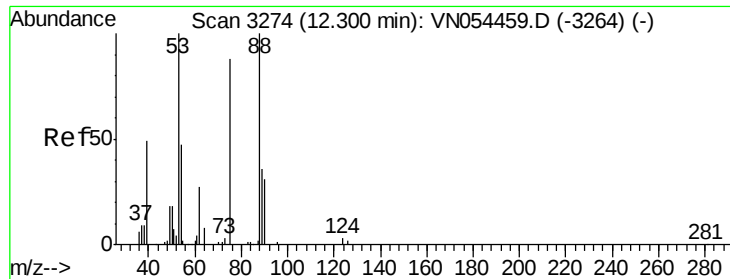
0

Time-->

12.70

12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 47.694 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

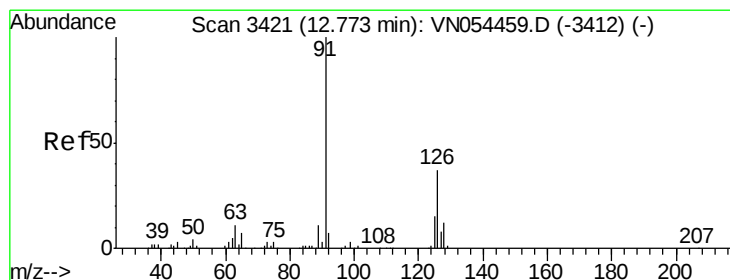
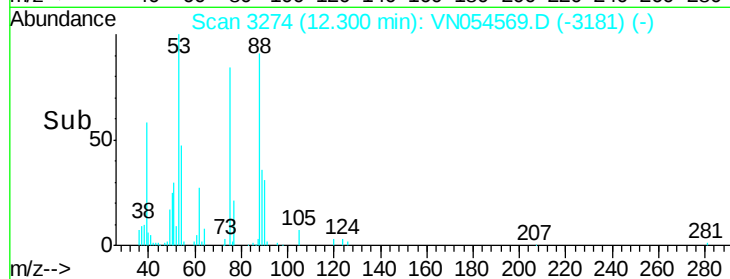
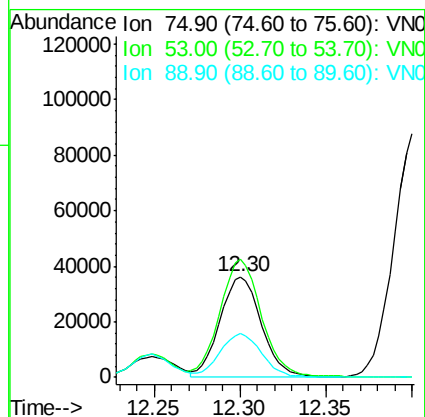
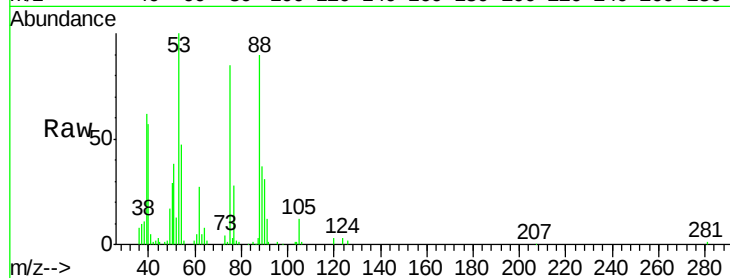
Tot Ion: 75 Resp: 59782

Ion Ratio Lower Upper

75 100

53 121.8 76.2 114.2#

89 44.8 39.2 58.8



#82

4-Chlorotoluene

Concen: 50.371 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054569.D

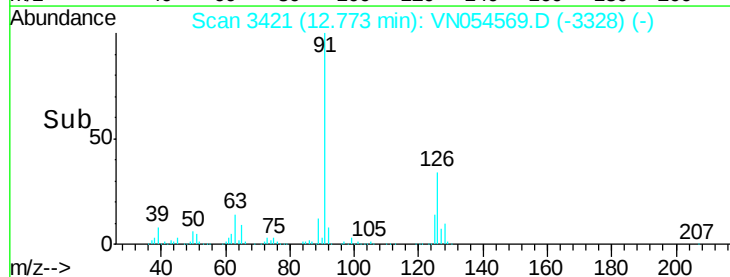
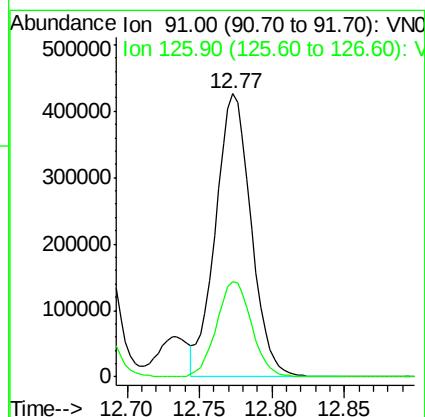
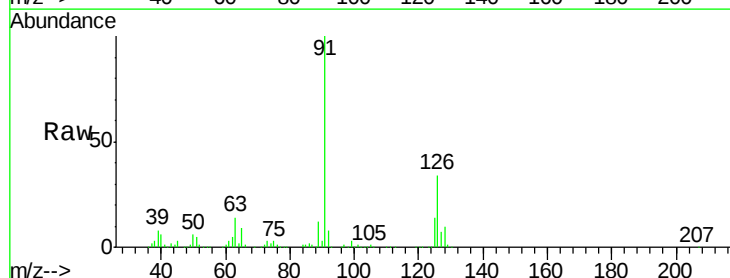
Acq: 22 Mar 2019 20:22

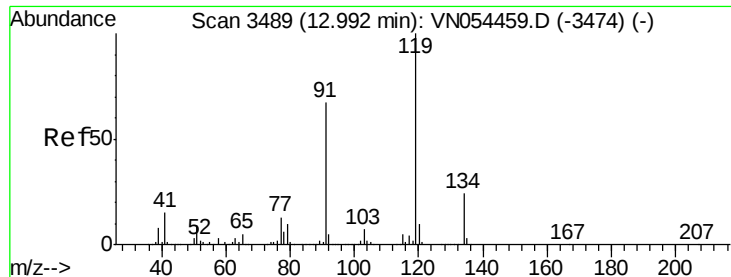
Tgt Ion: 91 Resp: 726843

Ion Ratio Lower Upper

91 100

126 33.3 18.1 54.1

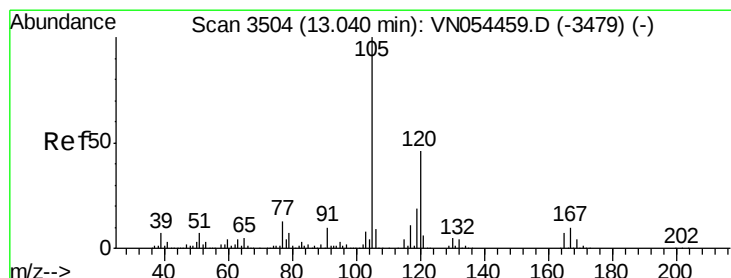
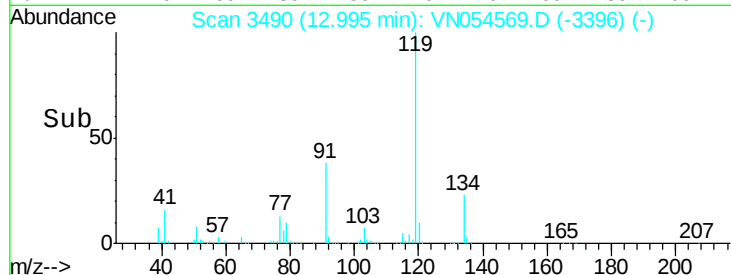
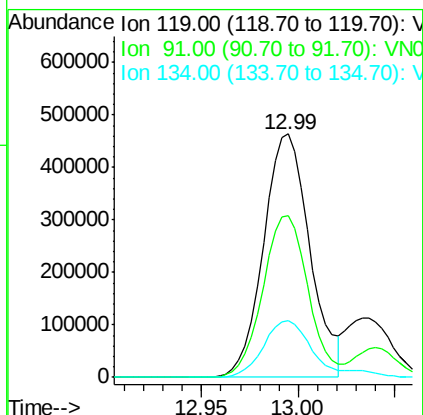
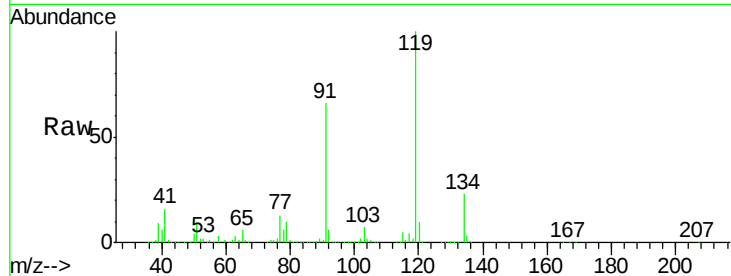




#83
 tert-Butylbenzene
 Concen: 49.253 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

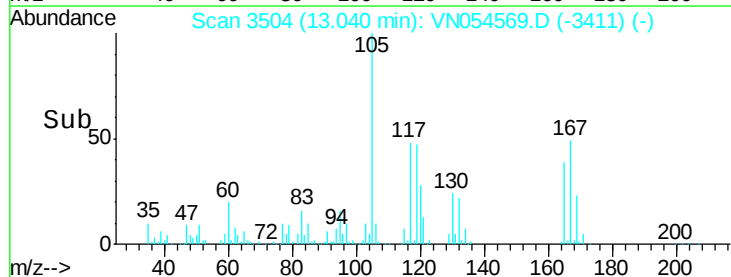
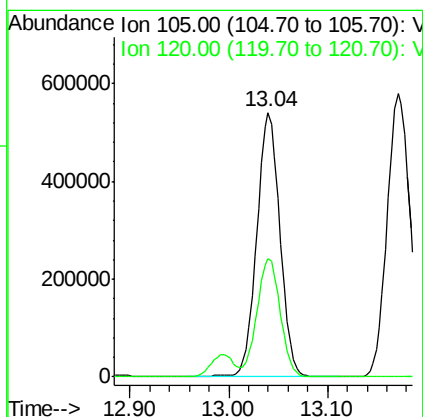
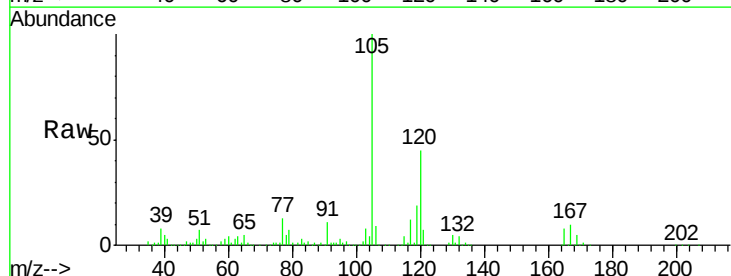
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

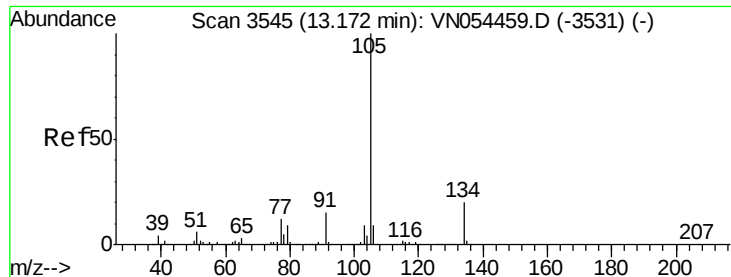
Tot Ion:119 Resp: 773562
 Ion Ratio Lower Upper
 119 100
 91 65.2 30.9 92.8
 134 25.5 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 49.266 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

Tgt Ion:105 Resp: 872236
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 47.943 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

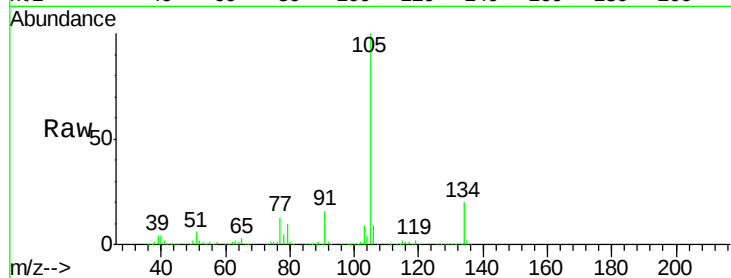
VSTDCCC050EC

Tot Ion:105 Resp: 938655

Ion Ratio Lower Upper

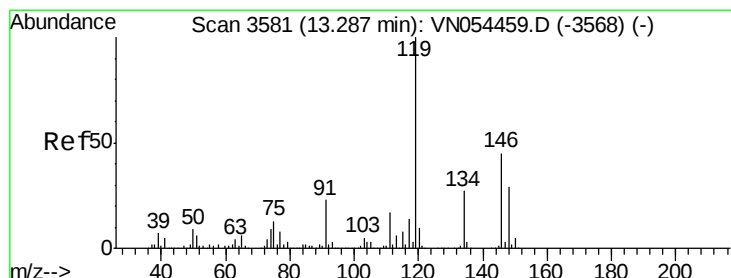
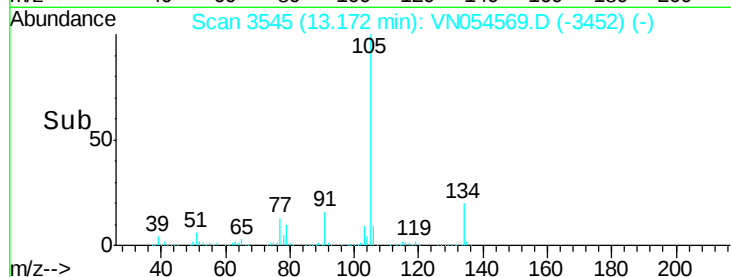
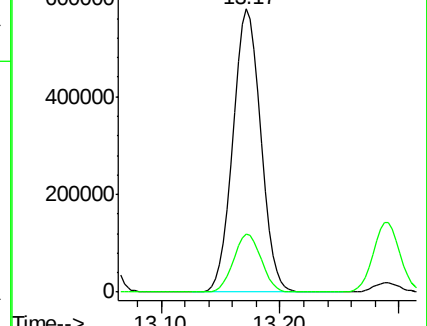
105 100

134 20.5 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.318 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

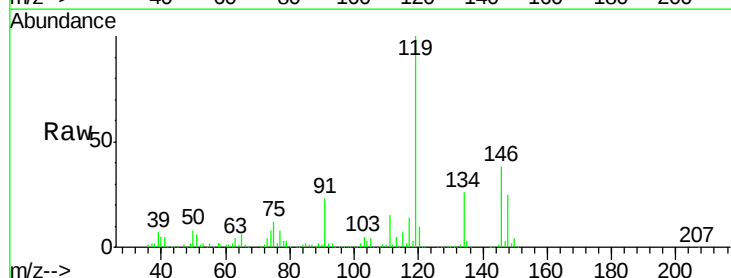
Tgt Ion:119 Resp: 846336

Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.8

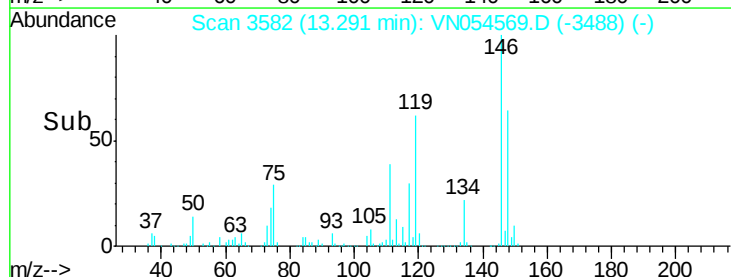
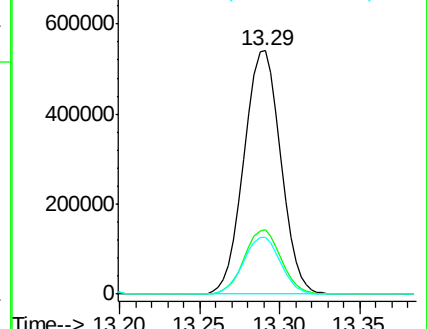
91 23.5 11.1 33.3

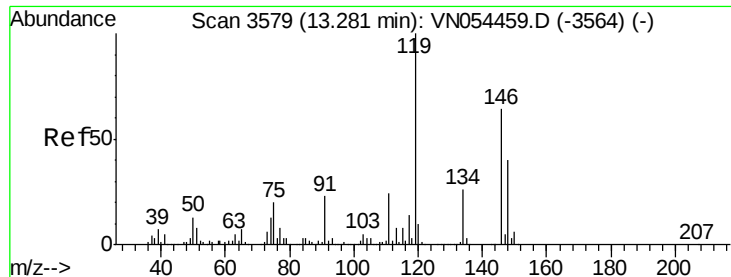


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

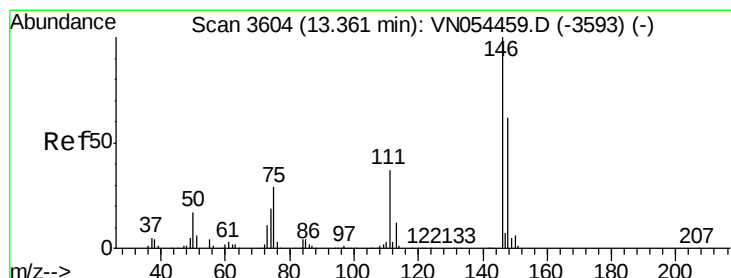
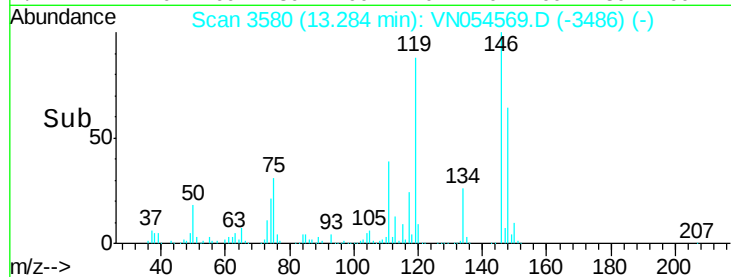
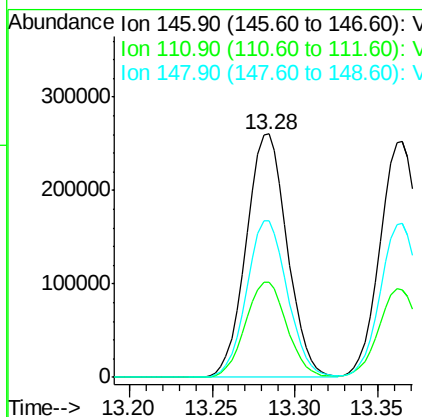
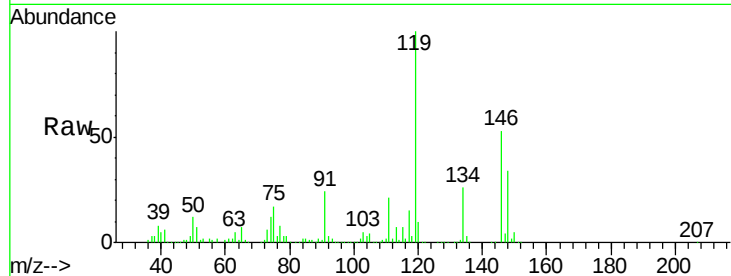




#87
 1,3-Dichlorobenzene
 Concen: 49.419 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

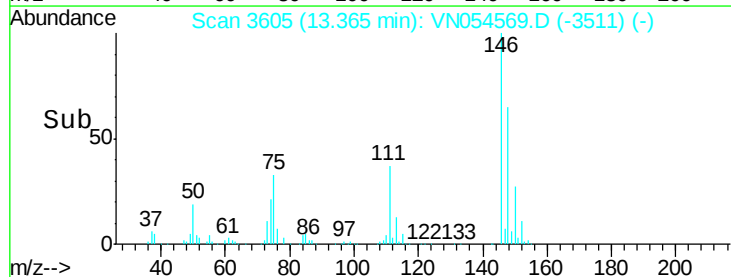
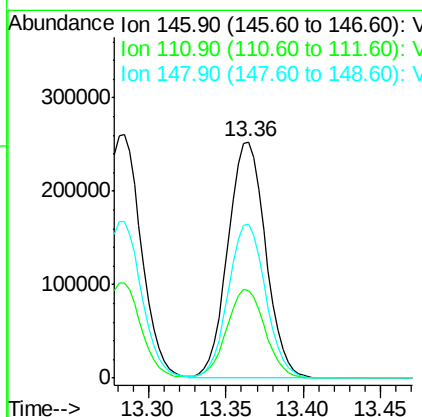
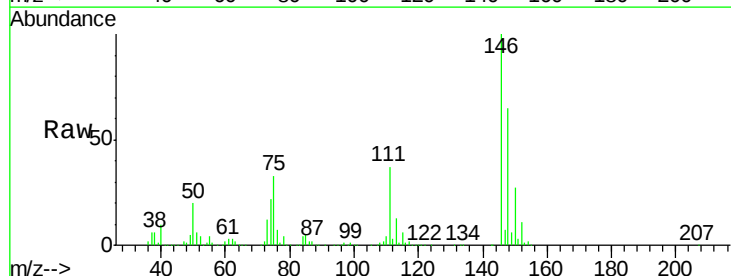
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

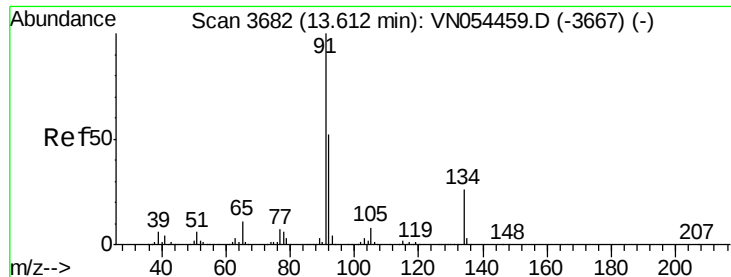
Tot Ion:146 Resp: 447150
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.8 56.3
 148 64.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 48.456 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

Tgt Ion:146 Resp: 426582
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.1 54.1
 148 64.9 32.0 96.0

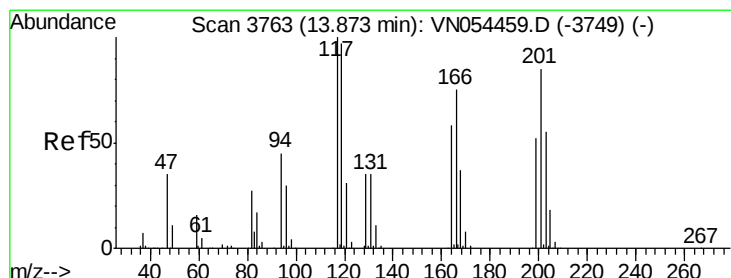
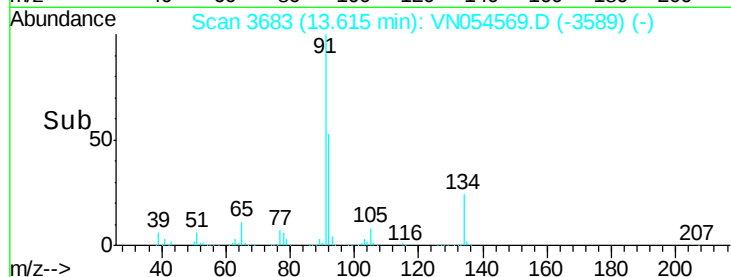
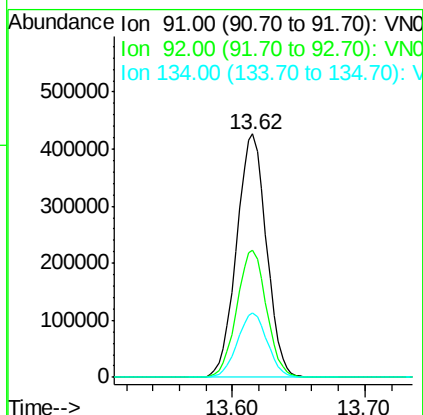
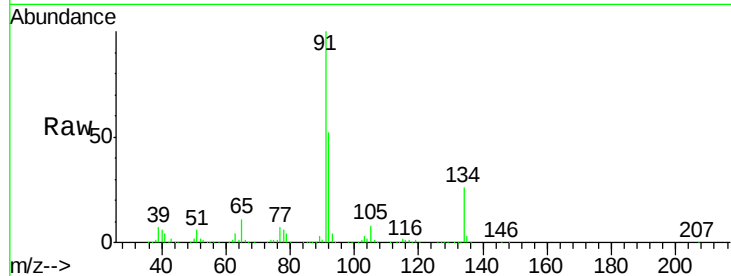




#89
n-Butylbenzene
Concen: 48.598 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

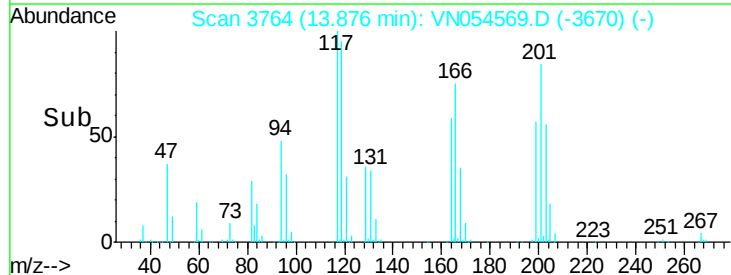
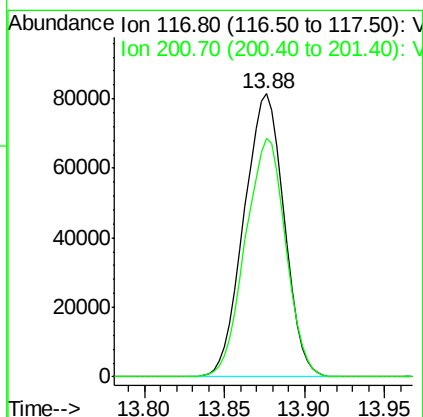
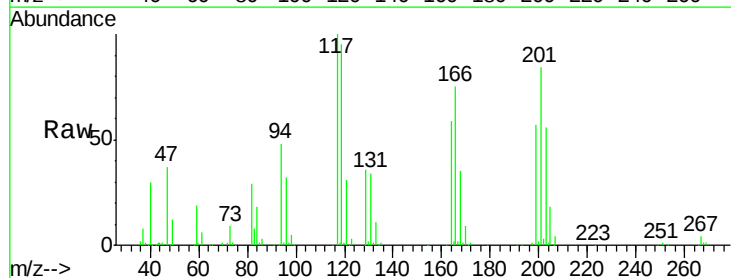
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

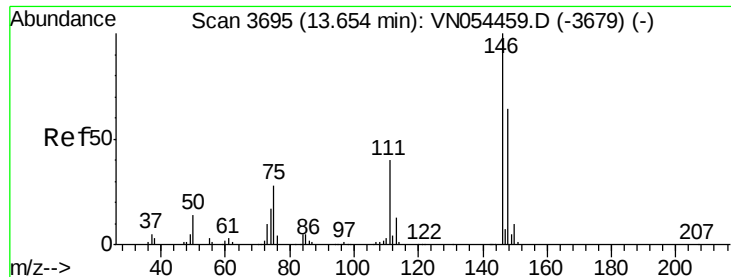
Tot Ion: 91 Resp: 665617
Ion Ratio Lower Upper
91 100
92 51.9 26.2 78.6
134 26.3 14.3 42.9



#90
Hexachloroethane
Concen: 51.568 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054569.D
Acq: 22 Mar 2019 20:22

Tgt Ion: 117 Resp: 140208
Ion Ratio Lower Upper
117 100
201 84.6 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 50.338 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

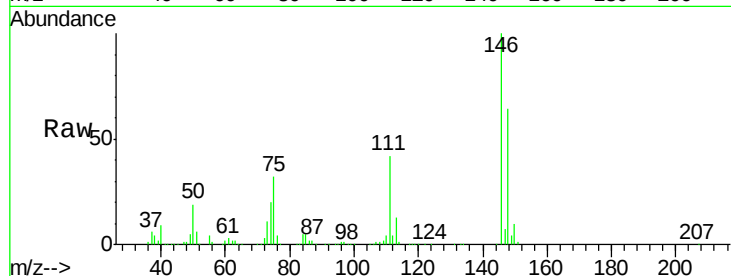
Tot Ion:146 Resp: 441161

Ion Ratio Lower Upper

146 100

111 41.0 19.1 57.3

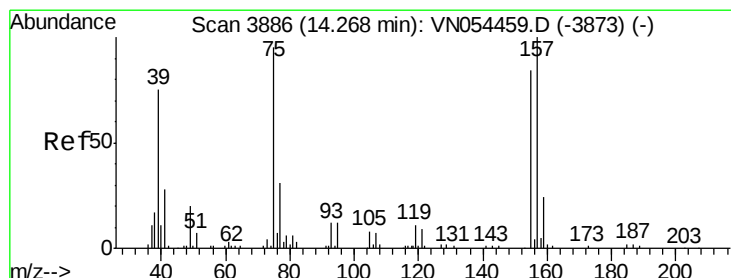
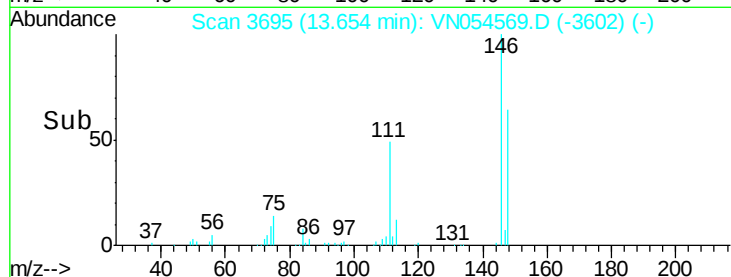
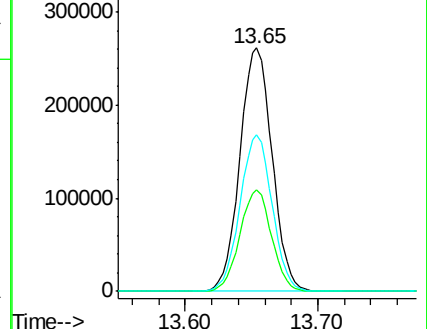
148 64.1 32.4 97.0



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: 55.539 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

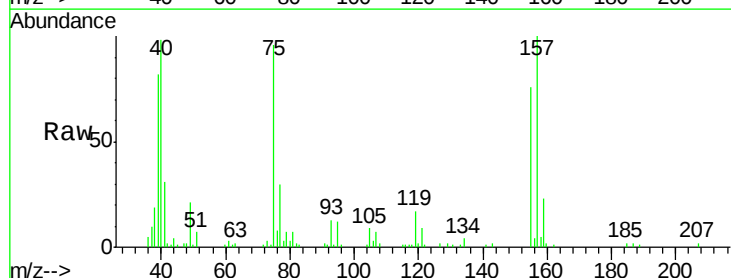
Tgt Ion: 75 Resp: 40939

Ion Ratio Lower Upper

75 100

155 83.9 50.1 150.3

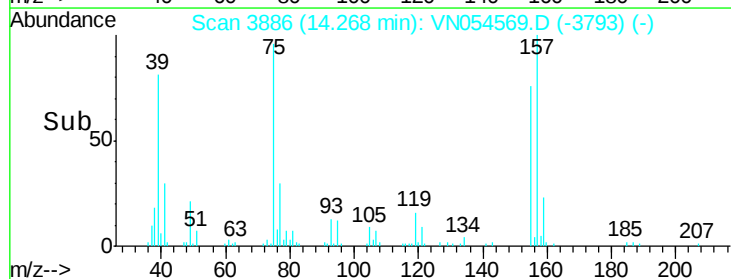
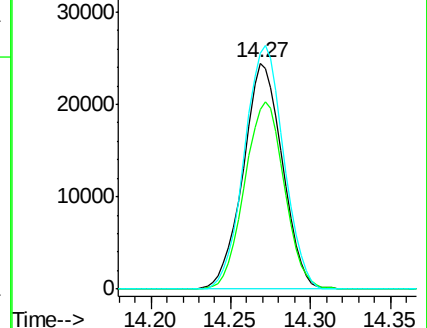
157 107.7 63.1 189.3

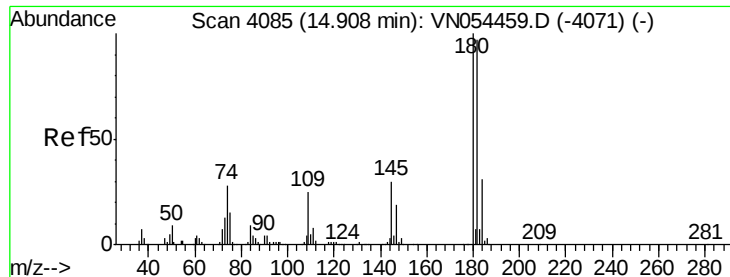


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

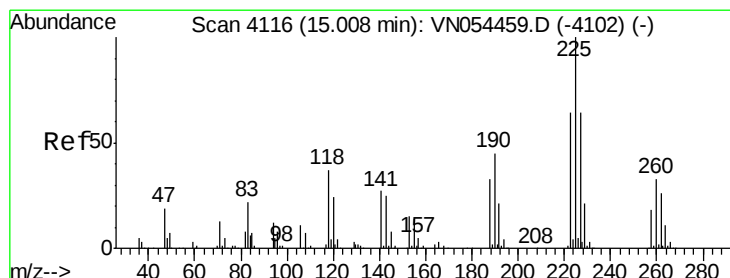
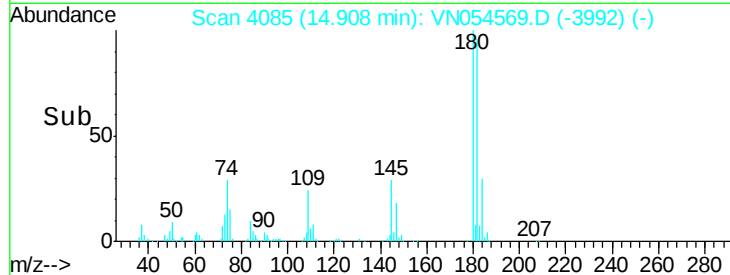
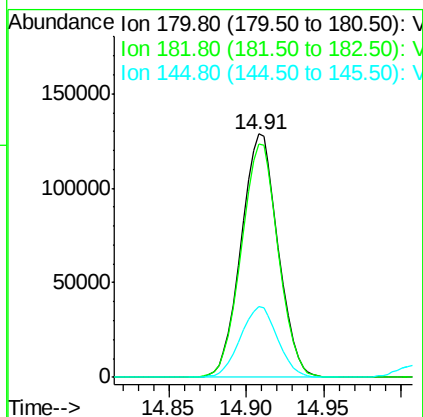
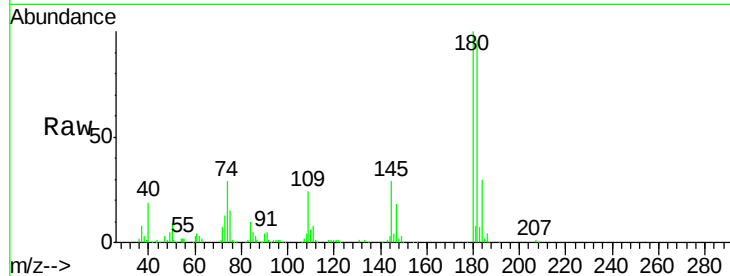




#93
 1,2,4-Trichlorobenzene
 Concen: 48.708 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

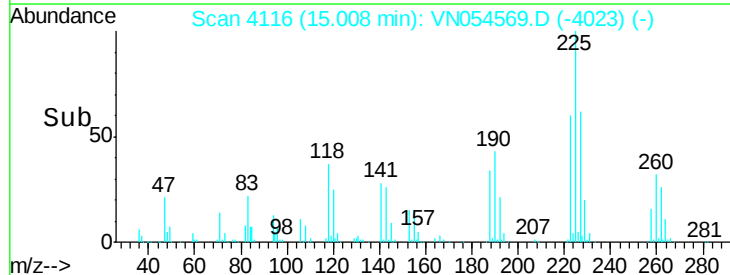
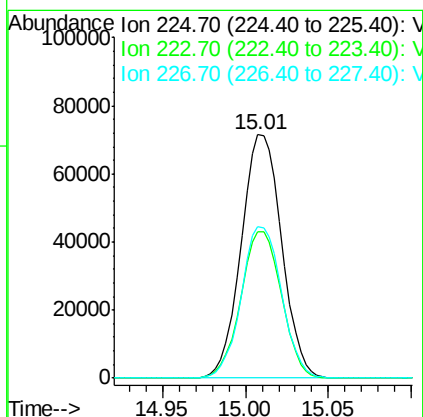
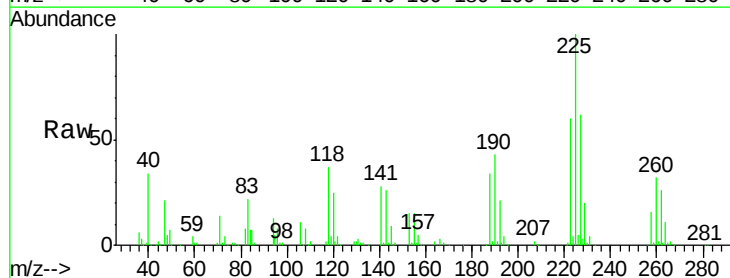
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

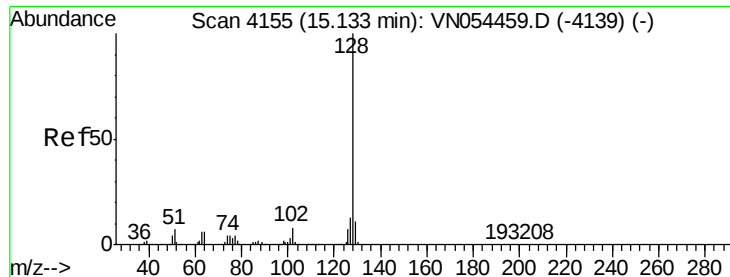
Tot Ion:180 Resp: 212802
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.0 144.2
 145 29.4 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 49.477 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054569.D
 Acq: 22 Mar 2019 20:22

Tgt Ion:225 Resp: 121512
 Ion Ratio Lower Upper
 225 100
 223 60.4 31.1 93.5
 227 61.9 31.9 95.9





#95

Naphthalene

Concen: 51.707 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

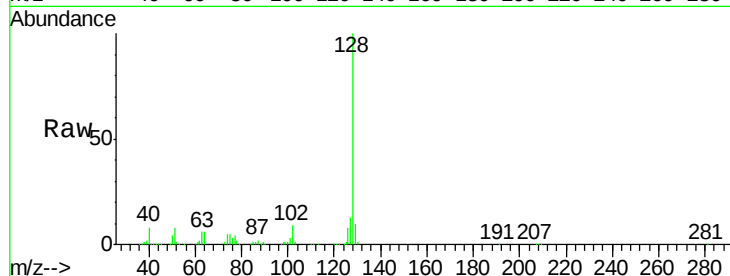
Tot Ion:128 Resp: 503887

Ion Ratio Lower Upper

128 100

127 13.6 10.1 15.1

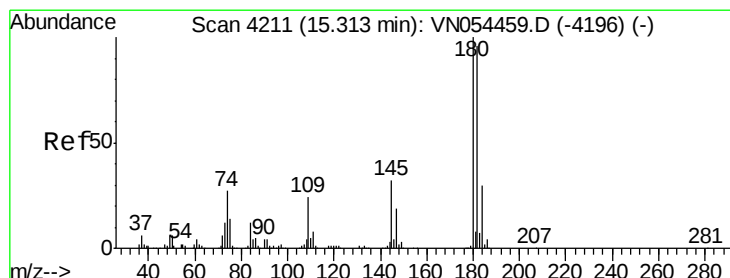
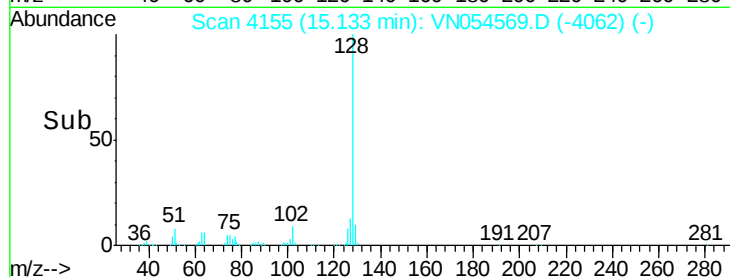
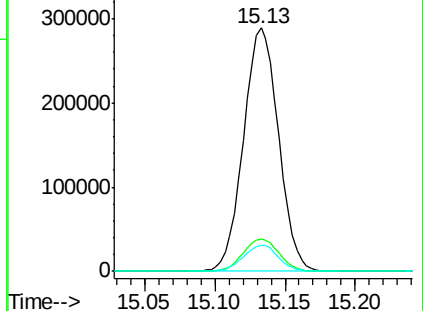
129 10.7 8.7 13.1



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: 50.175 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054569.D

Acq: 22 Mar 2019 20:22

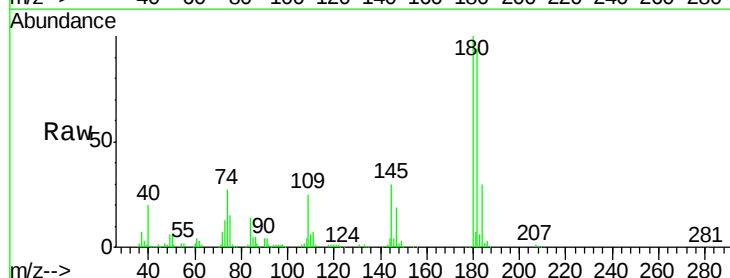
Tgt Ion:180 Resp: 218176

Ion Ratio Lower Upper

180 100

182 95.4 47.5 142.6

145 30.4 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

