

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054636.D
 Acq On : 24 Mar 2019 6:38
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 25 03:45:30 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	428329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	744469	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	649276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	292751	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	312015	58.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.12%	
35) Dibromofluoromethane	7.59	113	244010	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.09	98	897728	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.40	95	314732	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	219899	53.703	ug/l	99
3) Chloromethane	2.06	50	311497	55.912	ug/l	100
4) Vinyl Chloride	2.19	62	282858	50.569	ug/l	100
5) Bromomethane	2.57	94	155547	43.006	ug/l	99
6) Chloroethane	2.71	64	158686	47.299	ug/l	99
7) Trichlorofluoromethane	3.02	101	343463	50.563	ug/l	100
8) Diethyl Ether	3.41	74	124466	47.643	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	171634	42.993	ug/l	95
10) Methyl Iodide	3.94	142	271309	46.200	ug/l #	90
11) Tert butyl alcohol	4.82	59	105106	325.857	ug/l	99
12) 1,1-Dichloroethene	3.73	96	180030	43.576	ug/l #	72
13) Acrolein	3.60	56	45634	102.519	ug/l	99
14) Allyl chloride	4.31	41	421732	54.209	ug/l #	91
15) Acrylonitrile	5.00	53	511616	318.510	ug/l	99
16) Acetone	3.82	43	368954	230.339	ug/l #	83
17) Carbon Disulfide	4.04	76	510140	46.084	ug/l	99
18) Methyl Acetate	4.33	43	237101	66.411	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	710334	58.914	ug/l	95
20) Methylene Chloride	4.55	84	256727	54.371	ug/l #	80
21) trans-1,2-Dichloroethene	5.03	96	232500	55.113	ug/l #	84
22) Diisopropyl ether	5.96	45	944718	61.564	ug/l #	92
23) Vinyl Acetate	5.90	43	3403627	314.050	ug/l #	92
24) 1,1-Dichloroethane	5.84	63	483896	58.566	ug/l	97
25) 2-Butanone	6.85	43	652427	317.965	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	195287	33.157	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	279775	55.601	ug/l	92
28) Bromochloromethane	7.19	49	245155	60.280	ug/l #	73
29) Tetrahydrofuran	7.22	42	450720	338.496	ug/l #	83
30) Chloroform	7.37	83	465563	57.738	ug/l	100
31) Cyclohexane	7.65	56	438037	55.534	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	376465	56.592	ug/l	95
36) 1,1-Dichloropropene	7.79	75	353990	50.855	ug/l	94
37) Ethyl Acetate	6.94	43	289934	58.563	ug/l	96
38) Carbon Tetrachloride	7.77	117	320081	47.319	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	355078	44.594	ug/l	90
40) Benzene	8.04	78	1034450	51.970	ug/l	100
41) Methacrylonitrile	7.18	41	167339	55.424	ug/l	89
42) 1,2-Dichloroethane	8.12	62	378200	52.173	ug/l	97
43) Isopropyl Acetate	8.17	43	492799	58.939	ug/l #	94
44) Trichloroethene	8.83	130	269046	48.617	ug/l	92
45) 1,2-Dichloropropane	9.12	63	295301	55.249	ug/l	99
46) Dibromomethane	9.21	93	166638	52.260	ug/l	91
47) Bromodichloromethane	9.40	83	343000	51.832	ug/l	97
48) Methyl methacrylate	9.20	41	258718	57.010	ug/l #	86
49) 1,4-Dioxane	9.20	88	58796	1158.912	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	1427624	308.089	ug/l	93
52) Toluene	10.16	92	618448	50.517	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	311212	44.823	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	382686	50.435	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	235017	53.404	ug/l	96
56) Ethyl methacrylate	10.43	69	335492	56.799	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	416247	54.413	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	609566	250.621	ug/l	89
59) 2-Hexanone	10.75	43	909315	300.427	ug/l	91
60) Dibromochloromethane	10.90	129	237600	50.739	ug/l	96
61) 1,2-Dibromoethane	11.00	107	232612	53.466	ug/l	99
64) Tetrachloroethene	10.63	164	263037	48.842	ug/l	97
65) Chlorobenzene	11.43	112	657403	49.783	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	243345	51.340	ug/l	99
67) Ethyl Benzene	11.51	91	1172531	50.266	ug/l	98
68) m/p-Xylenes	11.62	106	869493	98.408	ug/l	95
69) o-Xylene	11.95	106	430828	49.929	ug/l	97
70) Styrene	11.96	104	724588	51.710	ug/l	97
71) Bromoform	12.13	173	149804	46.027	ug/l #	99
73) Isopropylbenzene	12.25	105	1122379	47.578	ug/l	99
74) N-amyl acetate	12.07	43	421721	62.172	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	298541	55.438	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	344944	74.253	ug/l #	100
77) Bromobenzene	12.53	156	289348	49.455	ug/l	85
78) n-propylbenzene	12.59	91	1237336	48.370	ug/l	97
79) 2-Chlorotoluene	12.67	91	768662	48.186	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	930219	48.112	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	51999	39.312	ug/l #	76
82) 4-Chlorotoluene	12.77	91	763006	49.346	ug/l	95
83) tert-Butylbenzene	12.99	119	808761	48.056	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	922022	48.601	ug/l	97
85) sec-Butylbenzene	13.17	105	1004816	47.895	ug/l	97
86) p-Isopropyltoluene	13.29	119	889476	47.390	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	472333	48.716	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	458690	48.623	ug/l	98
89) n-Butylbenzene	13.61	91	707755	48.224	ug/l	98
90) Hexachloroethane	13.87	117	139810	47.988	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	472925	50.359	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45751	57.922	ug/l	84

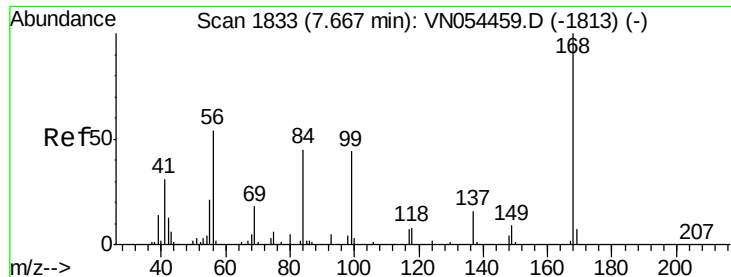
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	241774	51.644	ug/l	99
94) Hexachlorobutadiene	15.01	225	136180	51.866	ug/l	99
95) Naphthalene	15.13	128	592620	56.752	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	249314	53.508	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

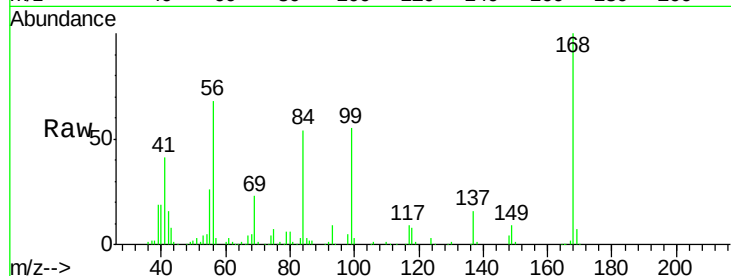
VSTDCCC050EC

Tot Ion:168 Resp: 428329

Ion Ratio Lower Upper

168 100

99 54.2 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

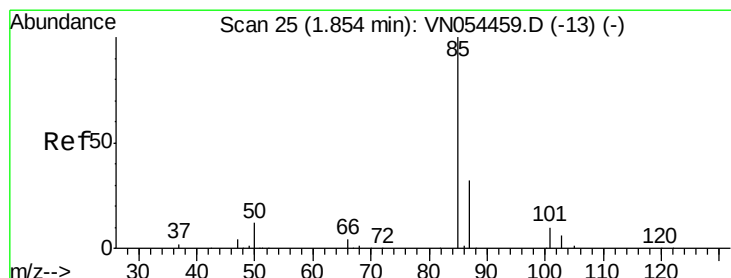
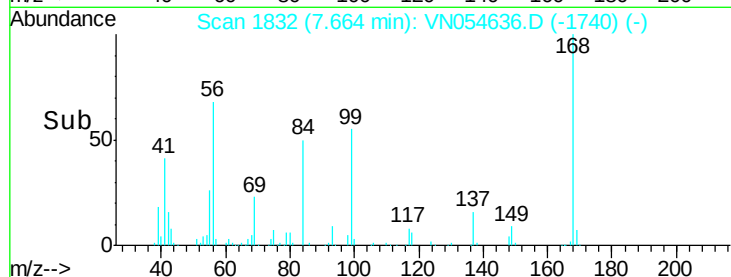
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.703 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054636.D

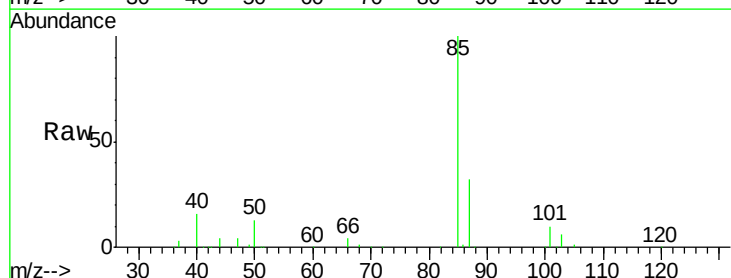
Acq: 24 Mar 2019 6:38

Tgt Ion: 85 Resp: 219899

Ion Ratio Lower Upper

85 100

87 32.3 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

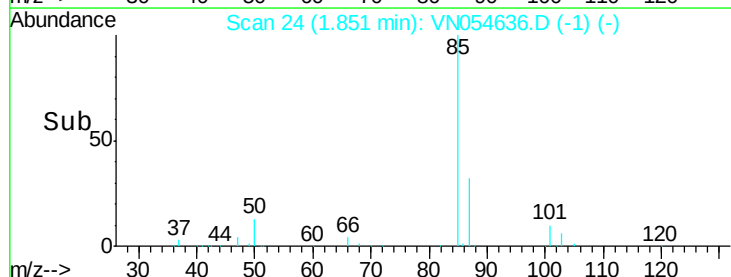
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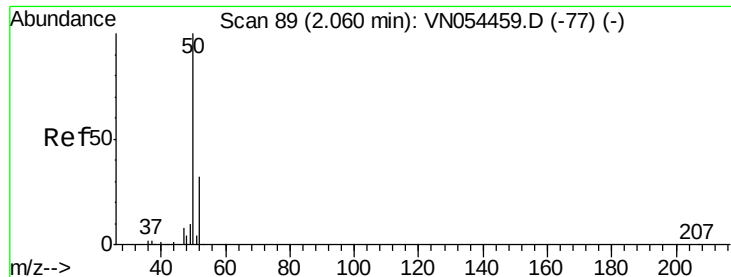
100000

50000

0

Time-->





#3

Chloromethane

Concen: 55.912 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

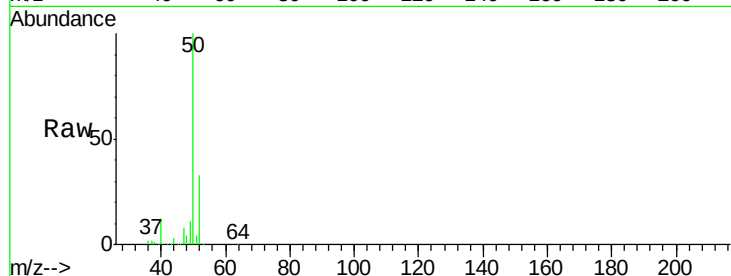
VSTDCCC050EC

Tot Ion: 50 Resp: 311497

Ion Ratio Lower Upper

50 100

52 32.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

200000

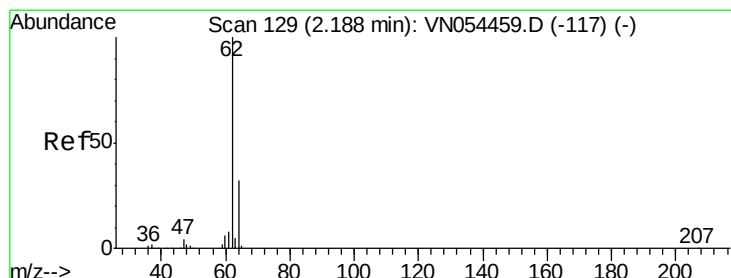
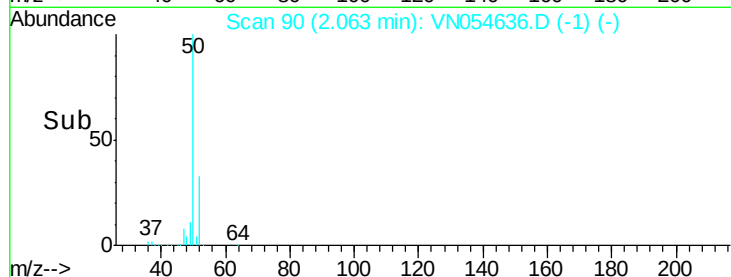
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 50.569 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054636.D

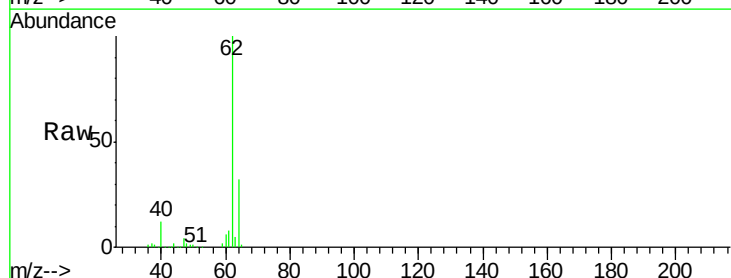
Acq: 24 Mar 2019 6:38

Tgt Ion: 62 Resp: 282858

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

200000

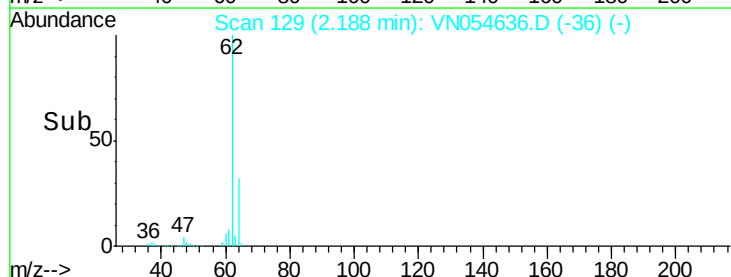
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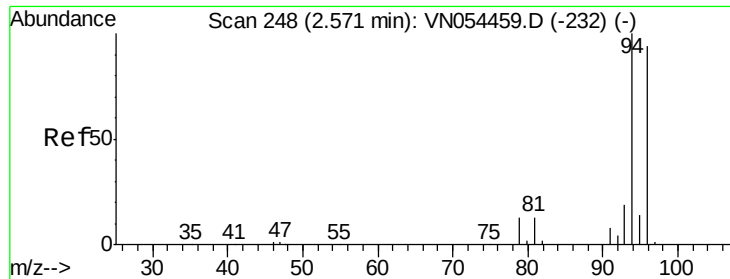
100000

50000

0

Time-->





#5

Bromomethane

Concen: 43.006 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

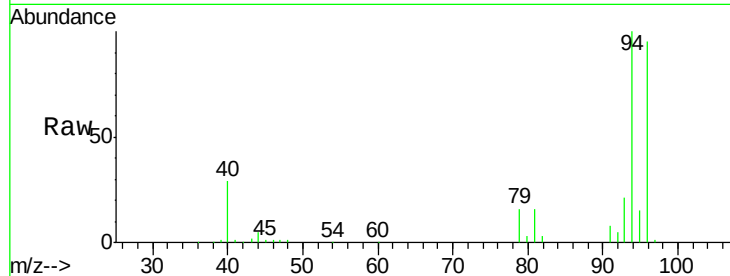
VSTDCCC050EC

Tot Ion: 94 Resp: 155547

Ion Ratio Lower Upper

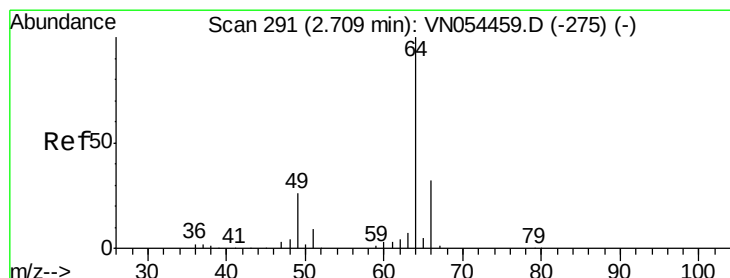
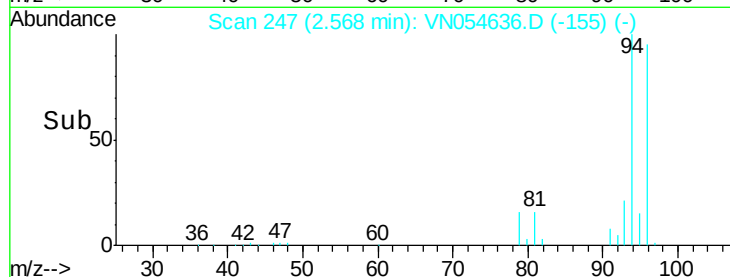
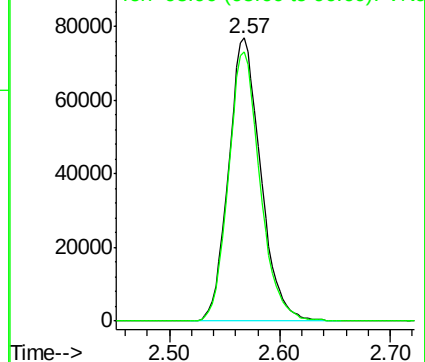
94 100

96 95.0 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.299 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054636.D

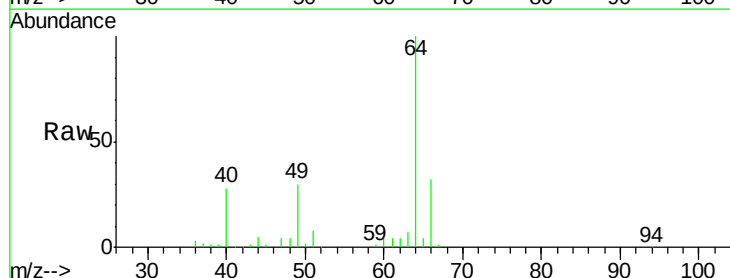
Acq: 24 Mar 2019 6:38

Tgt Ion: 64 Resp: 158686

Ion Ratio Lower Upper

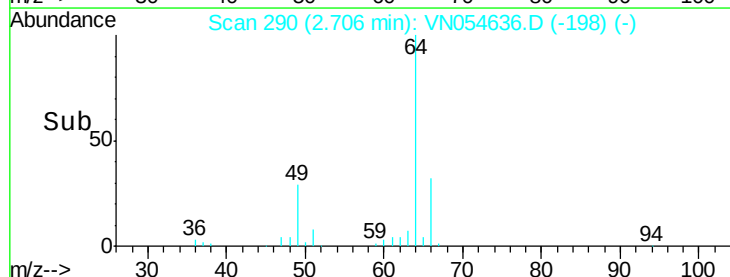
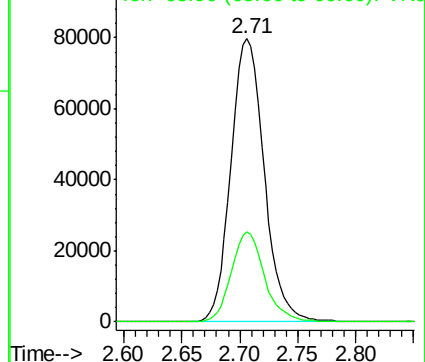
64 100

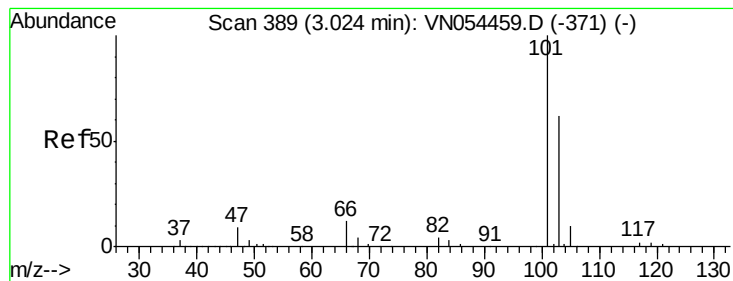
66 31.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



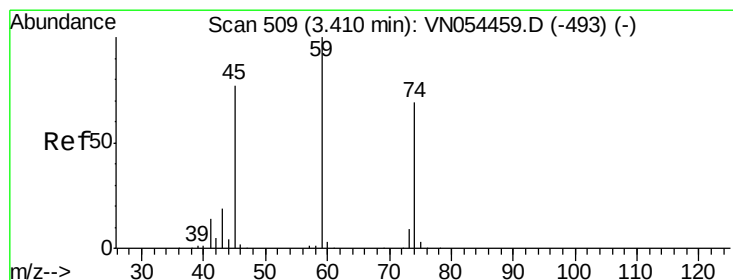
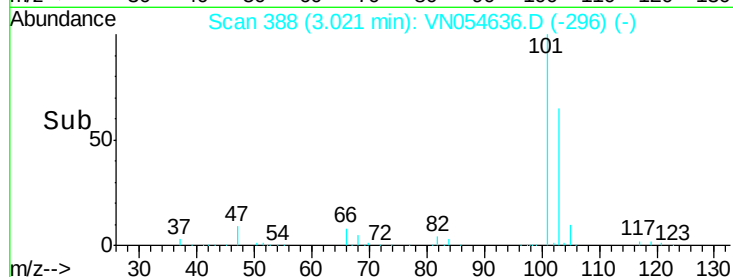
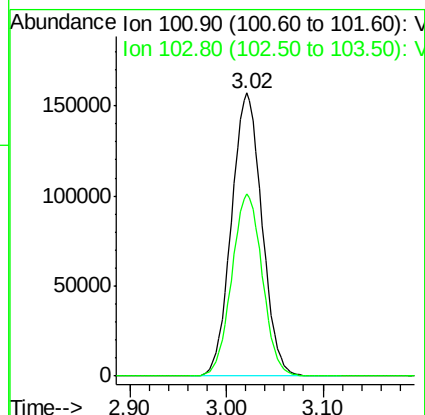
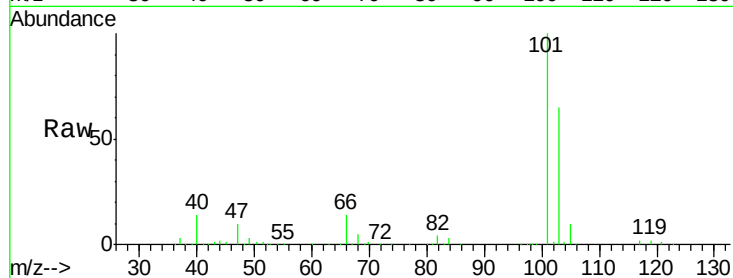


#7

Trichlorofluoromethane
Concen: 50.563 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Instrument :
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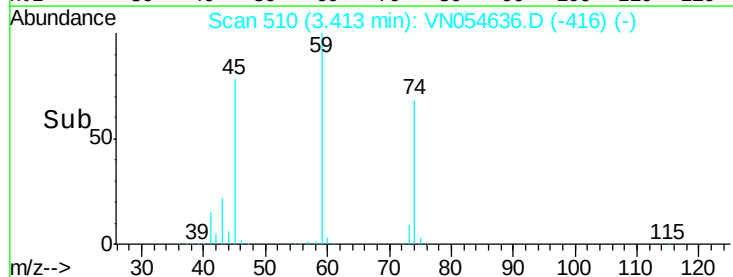
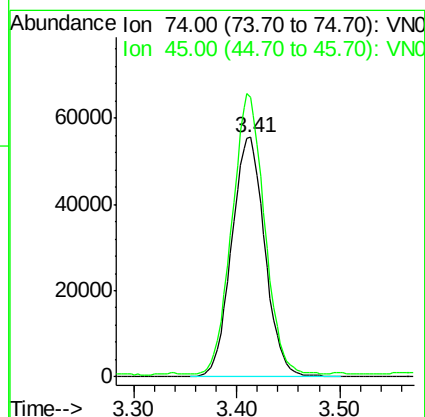
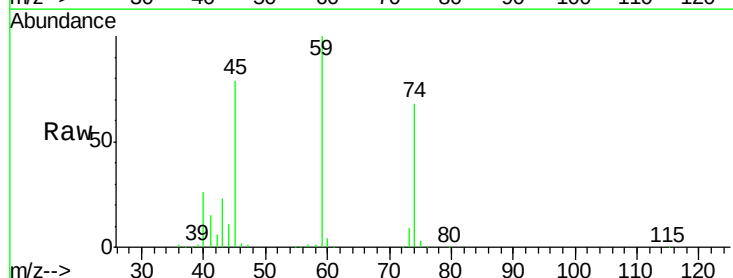
Tot Ion:101 Resp: 343463
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2

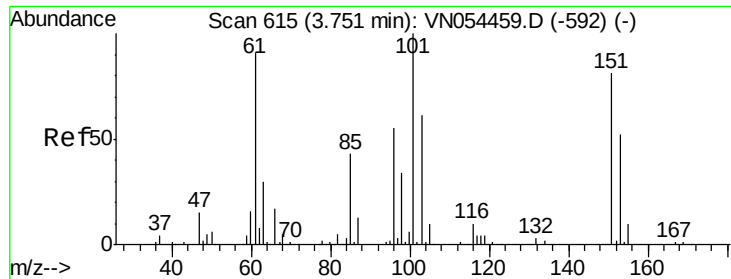


#8

Diethyl Ether
Concen: 47.643 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Tgt Ion: 74 Resp: 124466
Ion Ratio Lower Upper
74 100
45 114.8 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.993 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

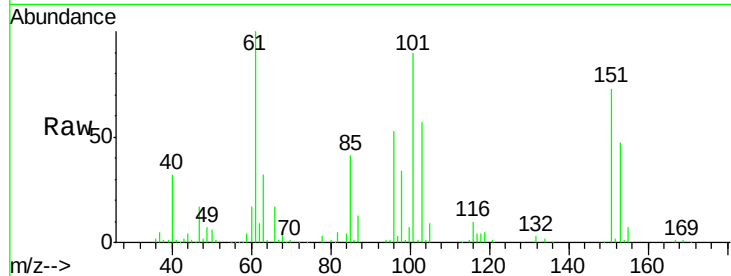
Tot Ion:101 Resp: 171634

Ion Ratio Lower Upper

101 100

85 45.6 32.4 48.6

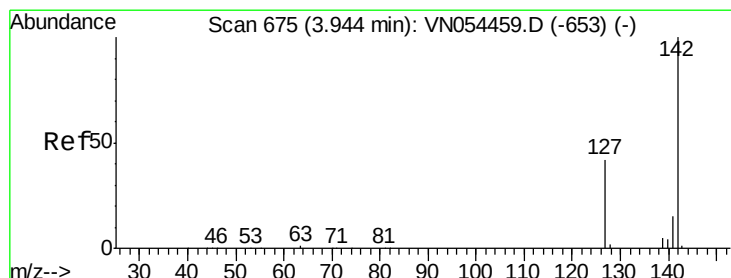
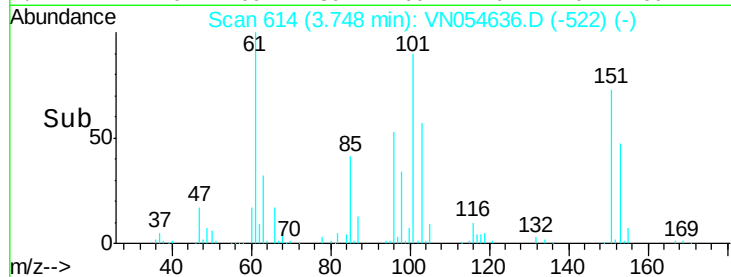
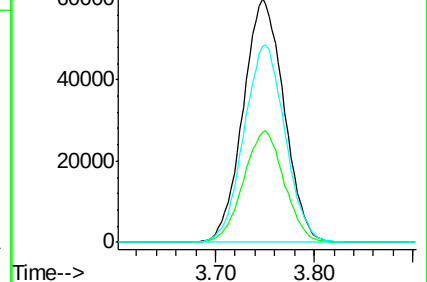
151 81.6 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.200 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

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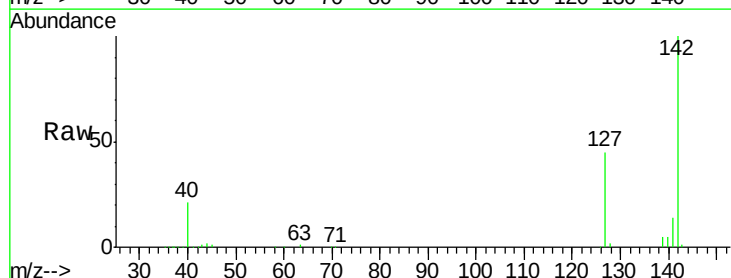
Tgt Ion:142 Resp: 271309

Ion Ratio Lower Upper

142 100

127 45.8 30.3 45.5#

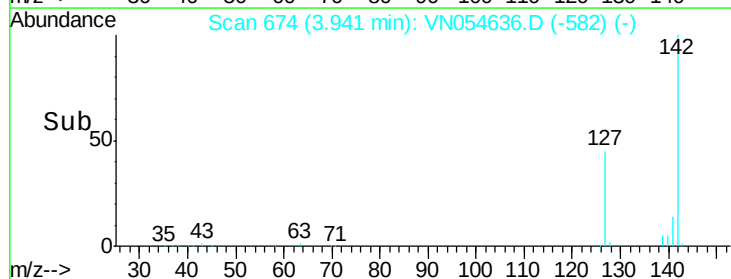
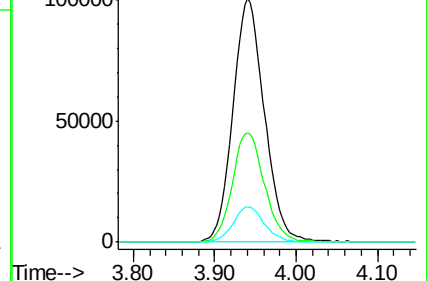
141 14.4 11.2 16.8

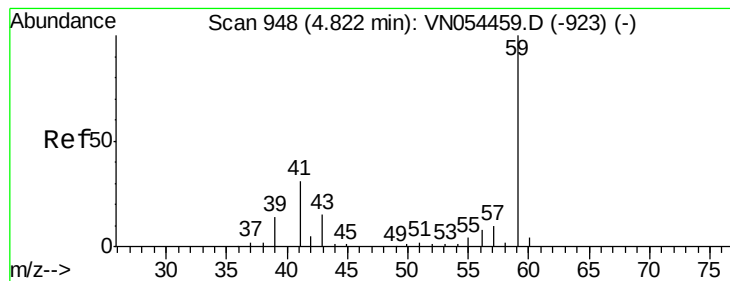


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



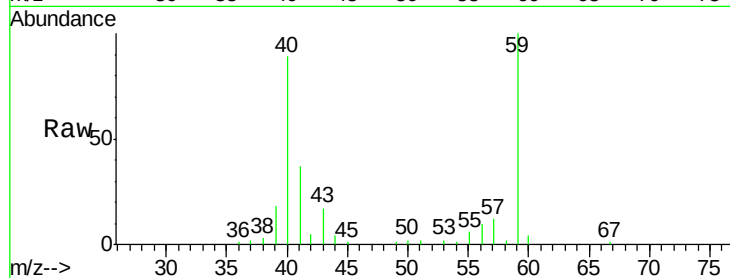


#11

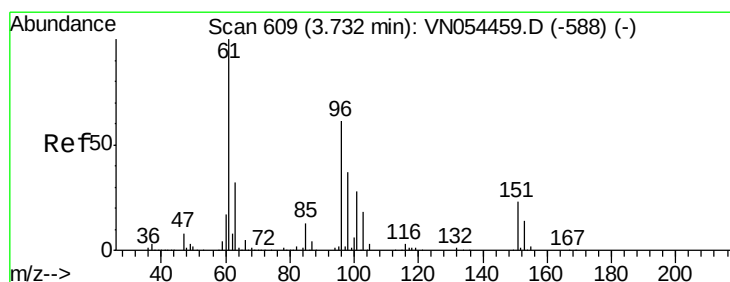
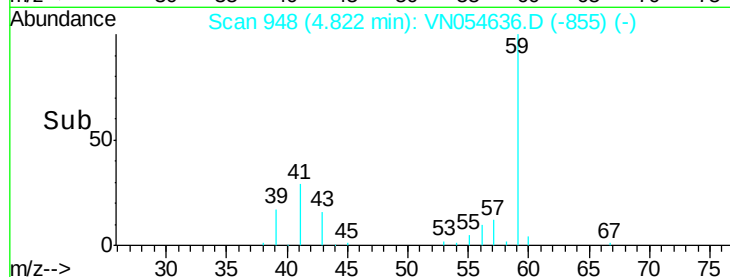
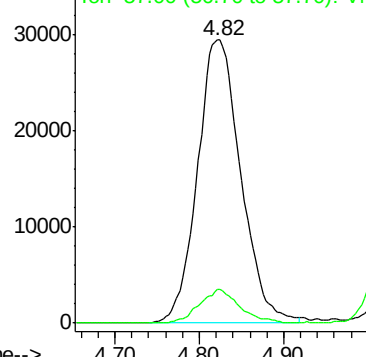
Tert butyl alcohol
 Concen: 325.857 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 105106
 Ion Ratio Lower Upper
 59 100
 57 11.0 9.0 13.6



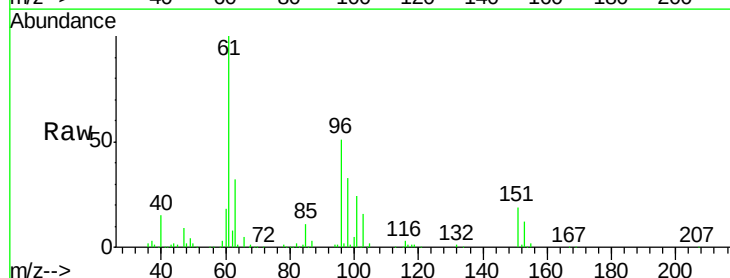
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



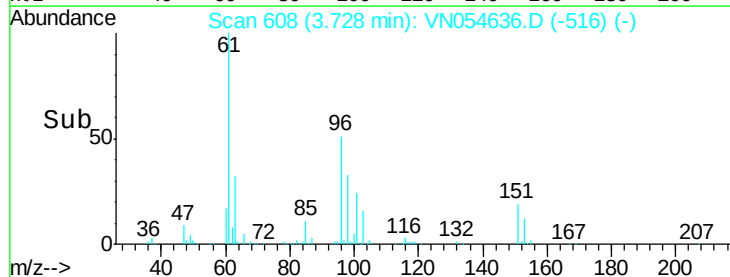
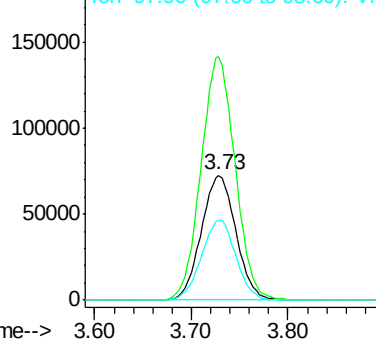
#12

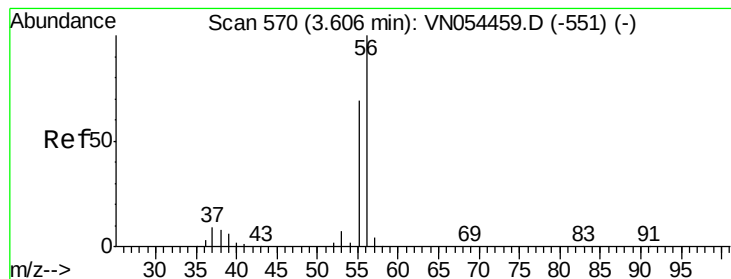
1,1-Dichloroethene
 Concen: 43.576 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

Tgt Ion: 96 Resp: 180030
 Ion Ratio Lower Upper
 96 100
 61 194.7 116.5 174.7#
 98 64.3 51.0 76.4



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





#13

Acrolein

Concen: 102.519 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

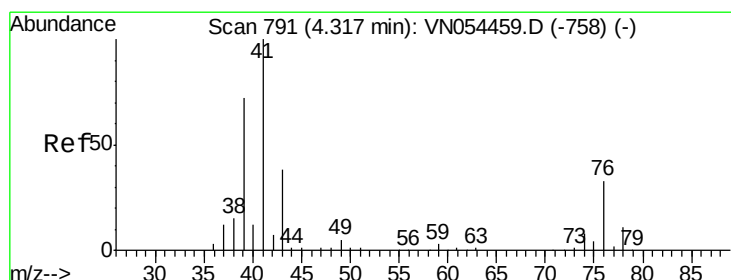
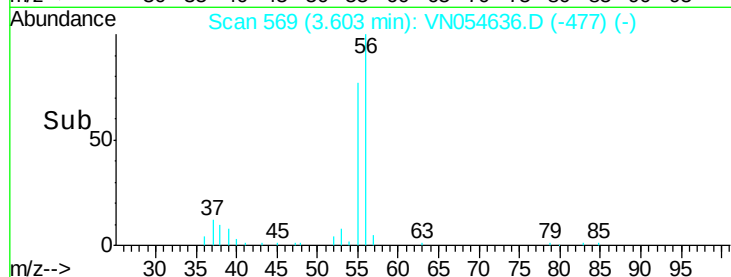
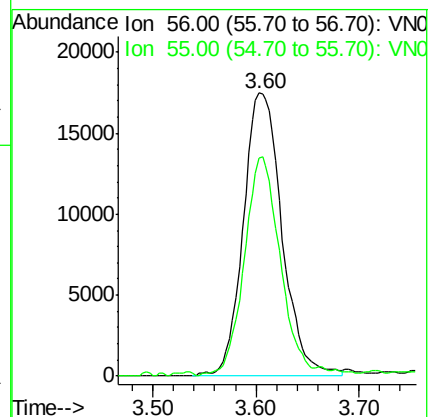
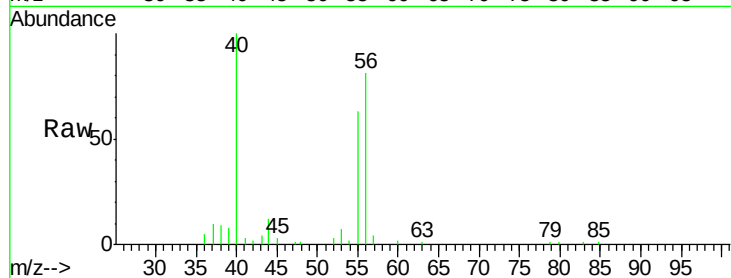
VSTDCCC050EC

Tot Ion: 56 Resp: 45634

Ion Ratio Lower Upper

56 100

55 71.5 56.7 85.1



#14

Allyl chloride

Concen: 54.209 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

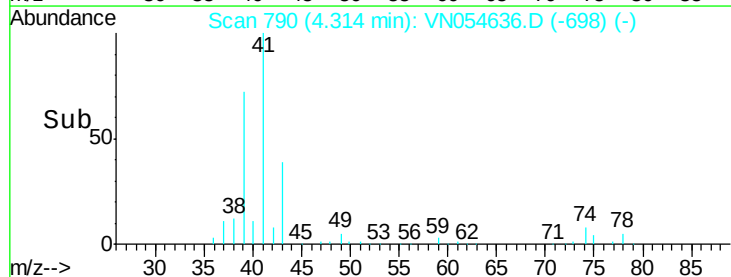
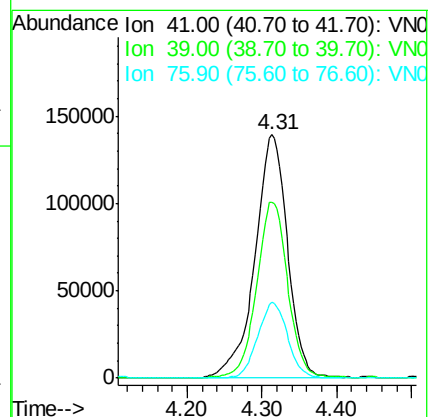
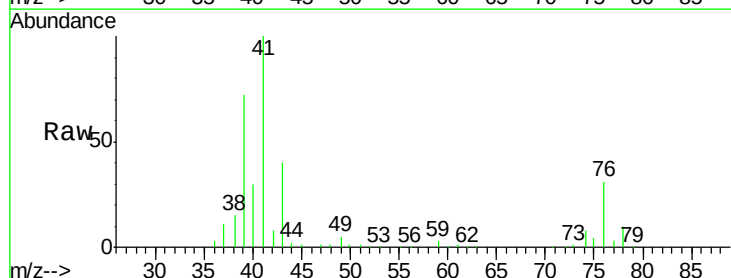
Tgt Ion: 41 Resp: 421732

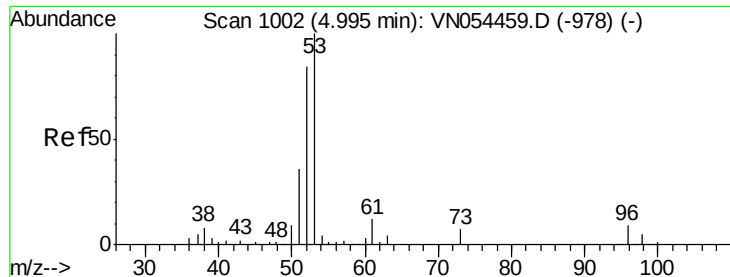
Ion Ratio Lower Upper

41 100

39 68.9 58.2 87.4

76 28.6 31.7 47.5#





#15

Acrylonitrile

Concen: 318.510 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

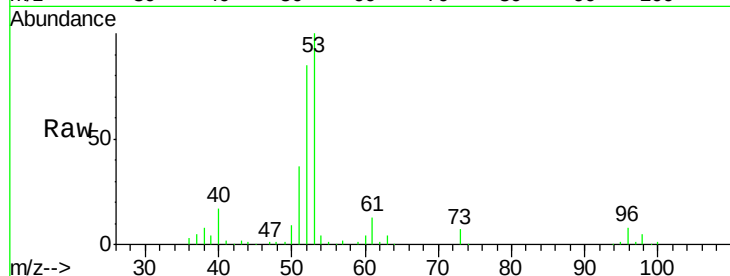
Tot Ion: 53 Resp: 511616

Ion Ratio Lower Upper

53 100

52 84.2 66.4 99.6

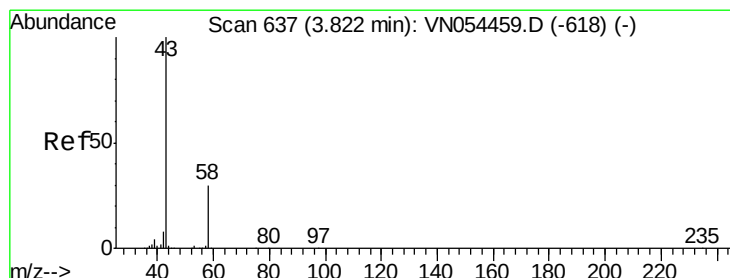
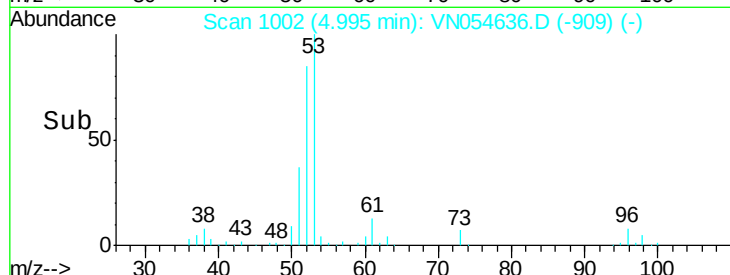
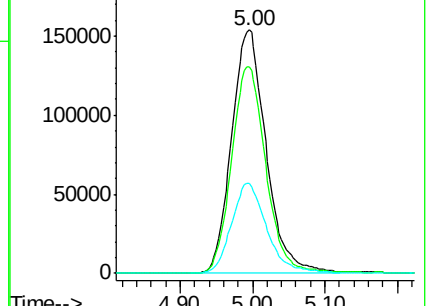
51 37.8 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054636.D (-1002) (-)

Ion 52.00 (51.70 to 52.70): VN054636.D (-1002) (-)

Ion 51.00 (50.70 to 51.70): VN054636.D (-1002) (-)



#16

Acetone

Concen: 230.339 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054636.D

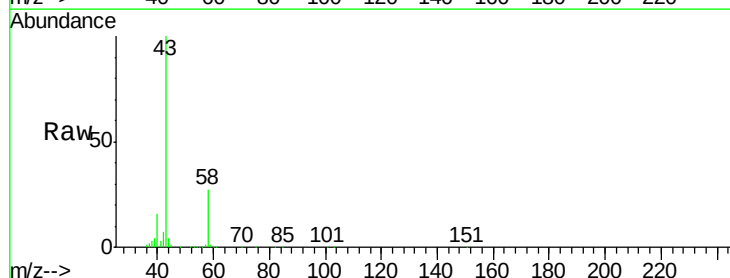
Acq: 24 Mar 2019 6:38

Tgt Ion: 43 Resp: 368954

Ion Ratio Lower Upper

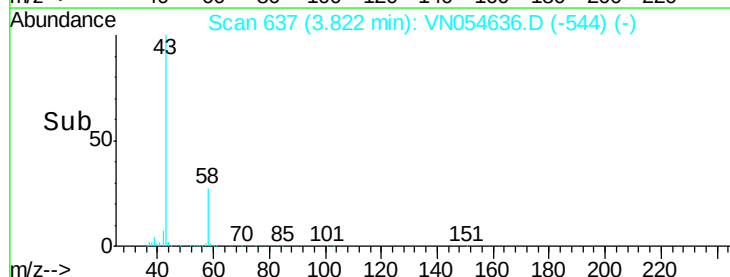
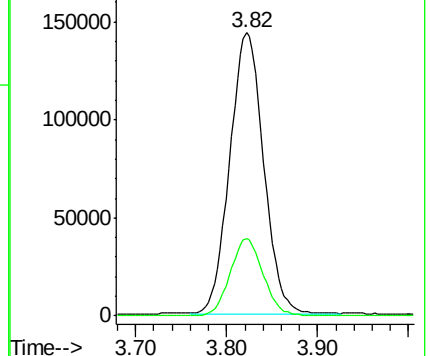
43 100

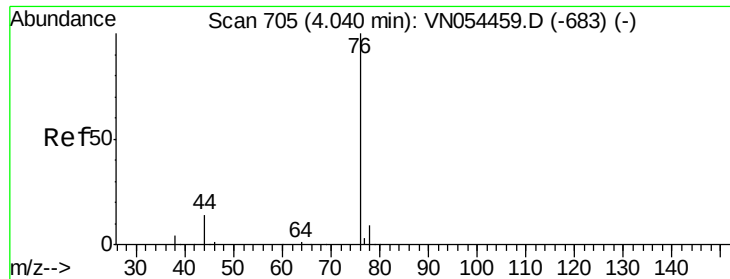
58 27.2 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN054636.D (-637) (-)

Ion 58.00 (57.70 to 58.70): VN054636.D (-637) (-)

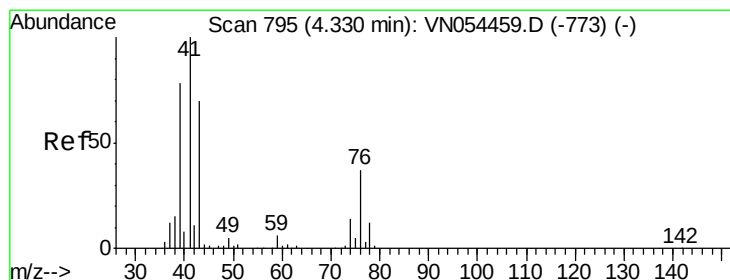
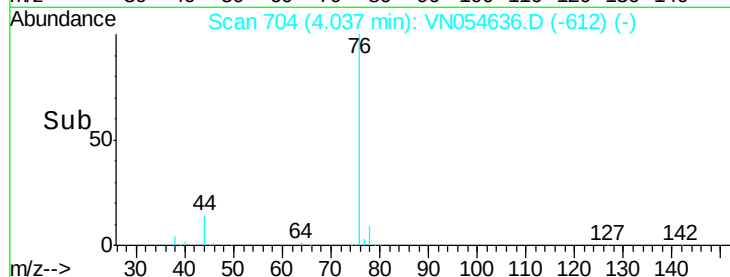
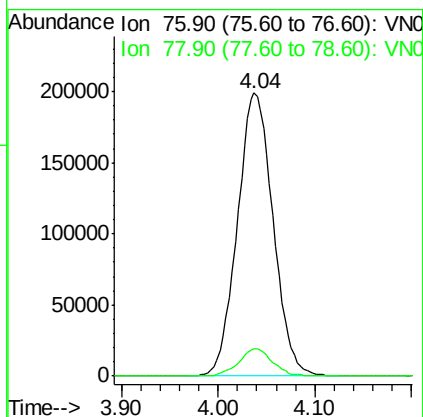
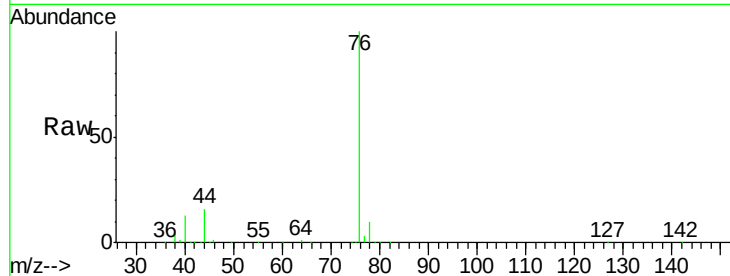




#17
Carbon Disulfide
Concen: 46.084 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

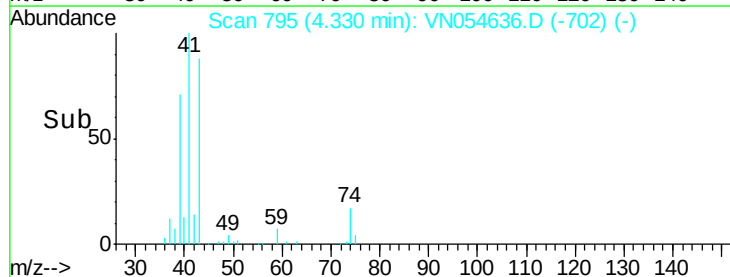
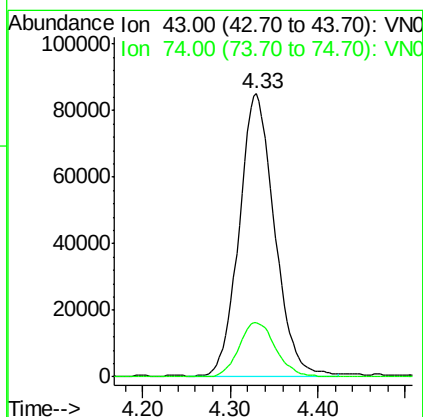
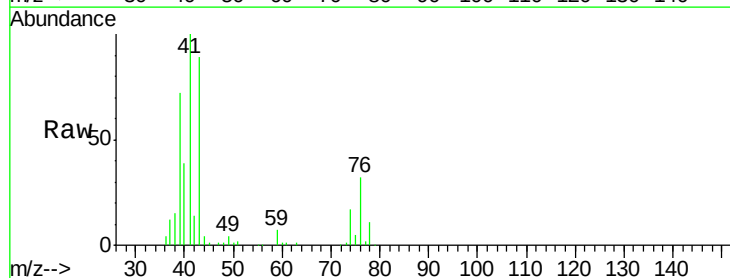
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

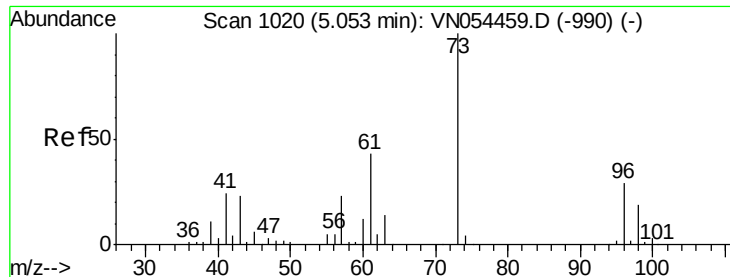
Tot Ion: 76 Resp: 510140
Ion Ratio Lower Upper
76 100
78 9.6 7.5 11.3



#18
Methyl Acetate
Concen: 66.411 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Tgt Ion: 43 Resp: 237101
Ion Ratio Lower Upper
43 100
74 20.1 20.8 31.2#

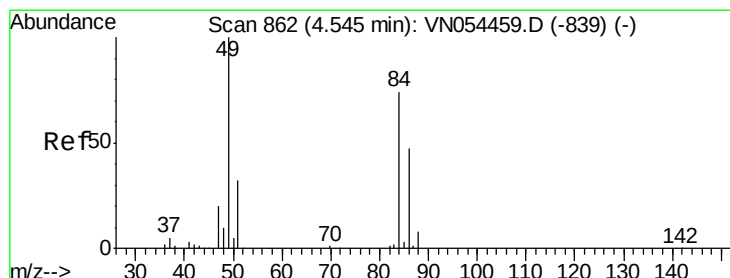
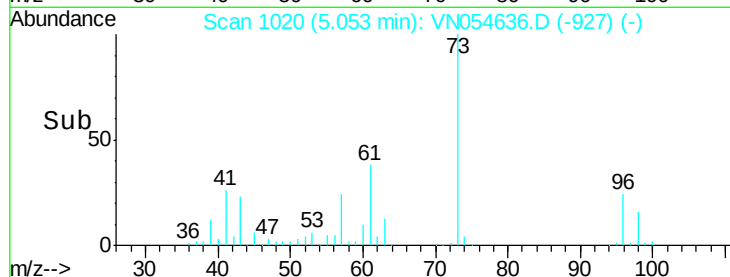
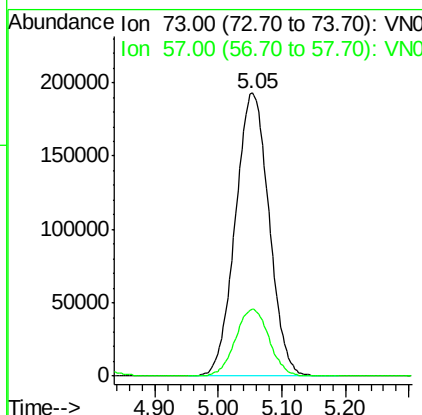
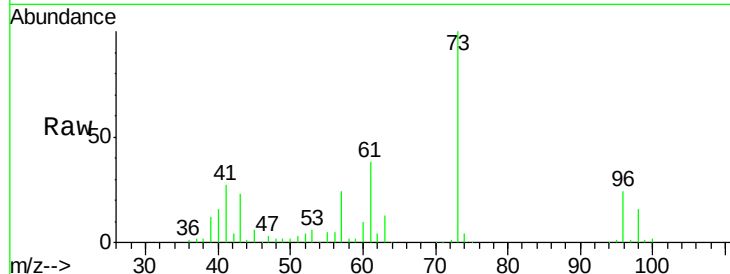




#19
Methyl tert-butyl Ether
Concen: 58.914 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

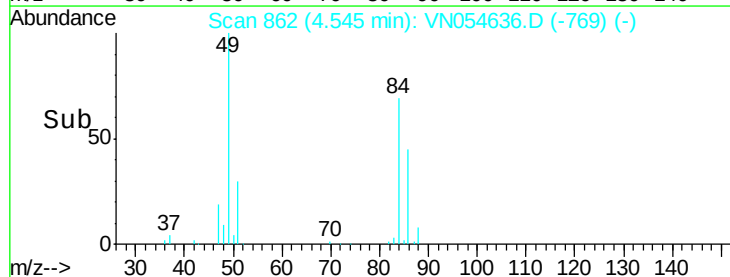
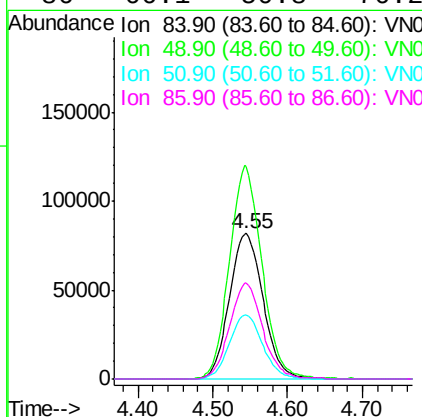
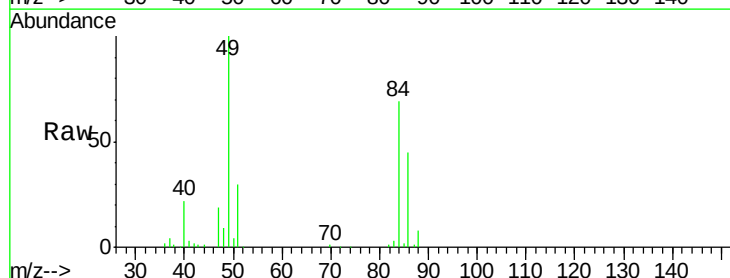
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

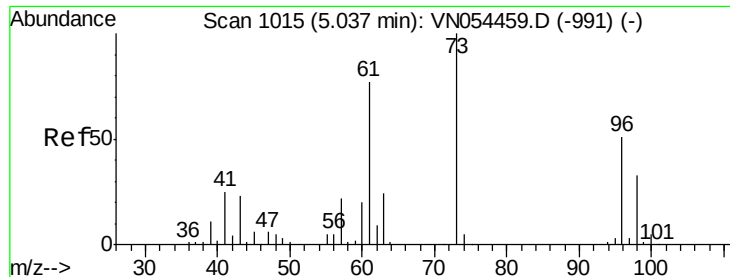
Tot Ion: 73 Resp: 710334
Ion Ratio Lower Upper
73 100
57 23.5 16.8 25.2



#20
Methylene Chloride
Concen: 54.371 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Tgt Ion: 84 Resp: 256727
Ion Ratio Lower Upper
84 100
49 145.7 89.7 134.5#
51 43.6 28.2 42.4#
86 66.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 55.113 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

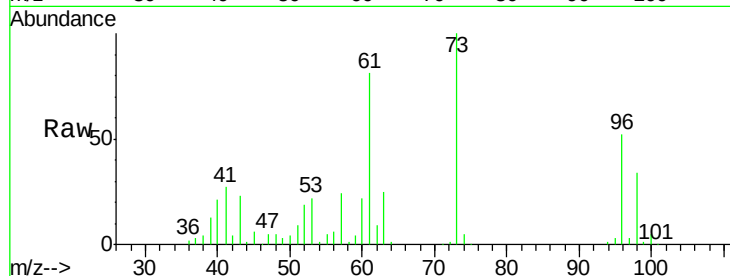
Tot Ion: 96 Resp: 232500

Ion Ratio Lower Upper

96 100

61 155.1 102.8 154.2#

98 64.8 50.0 75.0

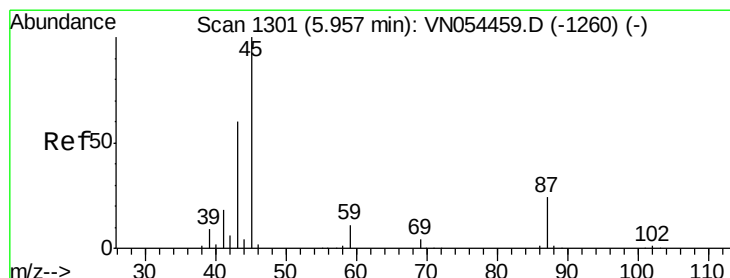
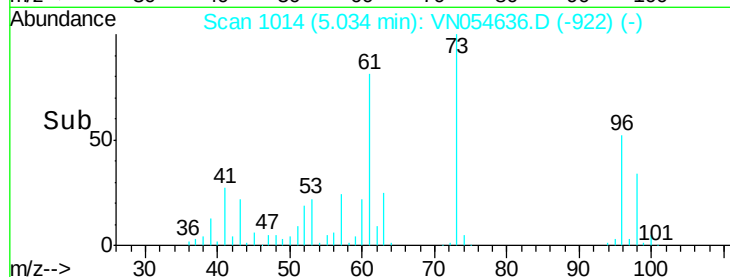
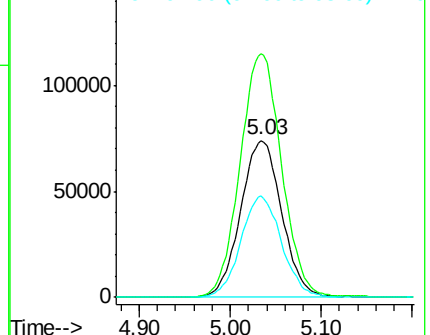


Abundance

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: 61.564 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Tgt Ion: 45 Resp: 944718

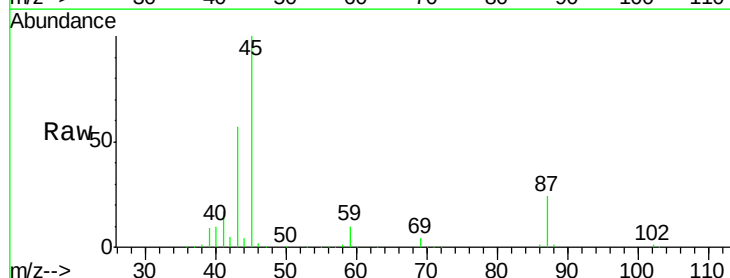
Ion Ratio Lower Upper

45 100

43 56.2 48.2 72.2

87 23.4 24.9 37.3#

59 10.1 9.5 14.3



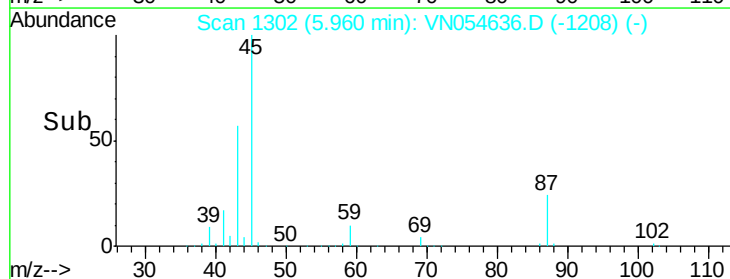
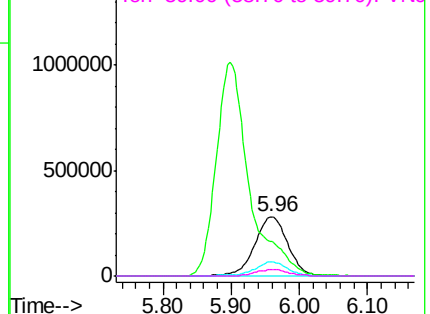
Abundance

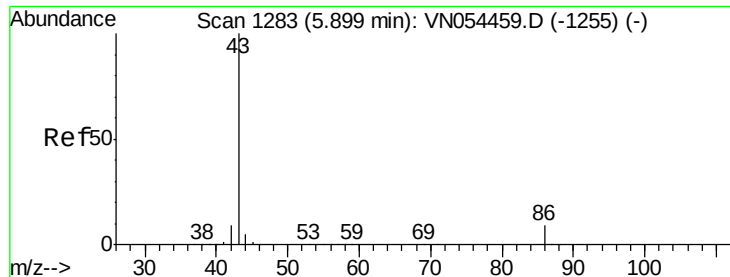
Ion 45.00 (44.70 to 45.70): VN0

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: 314.050 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

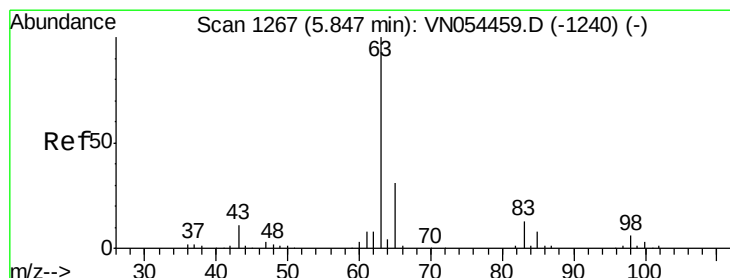
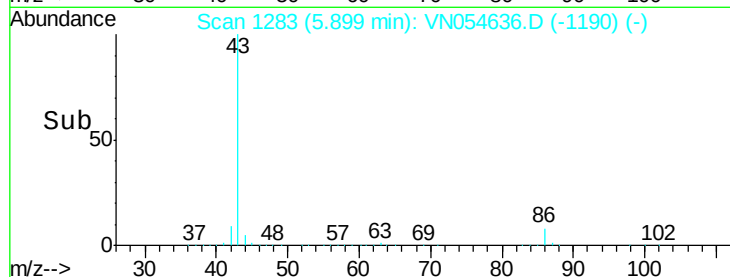
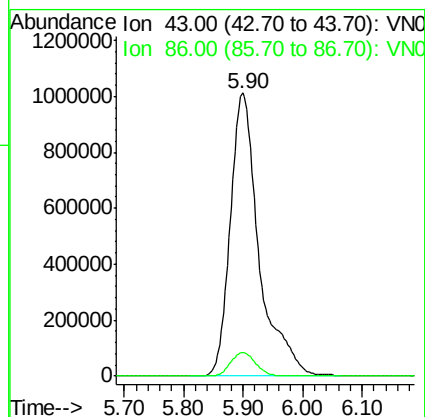
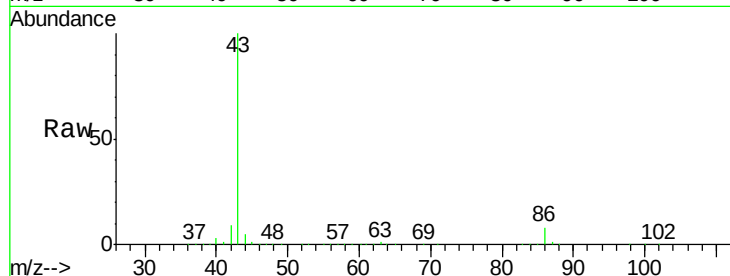
VSTDCCC050EC

Tot Ion: 43 Resp: 3403627

Ion Ratio Lower Upper

43 100

86 8.4 9.1 13.7#



#24

1,1-Dichloroethane

Concen: 58.566 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

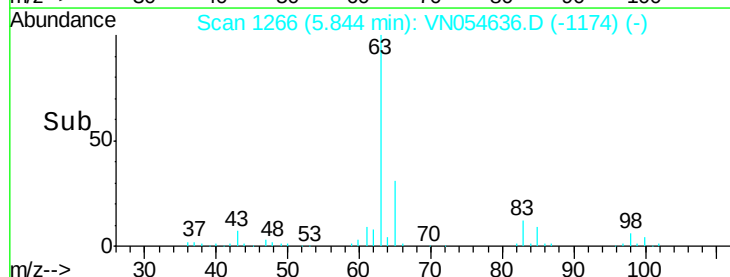
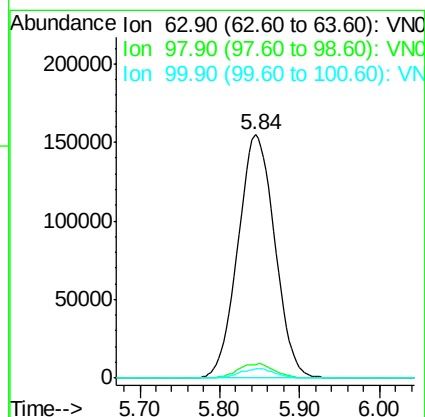
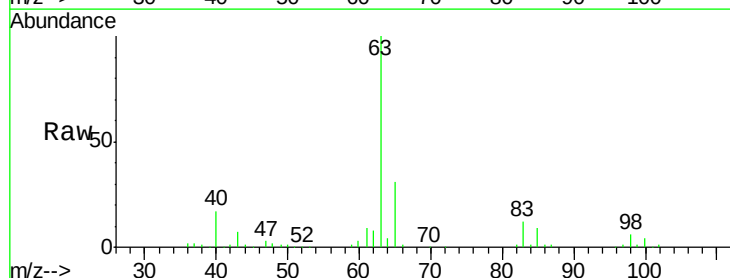
Tgt Ion: 63 Resp: 483896

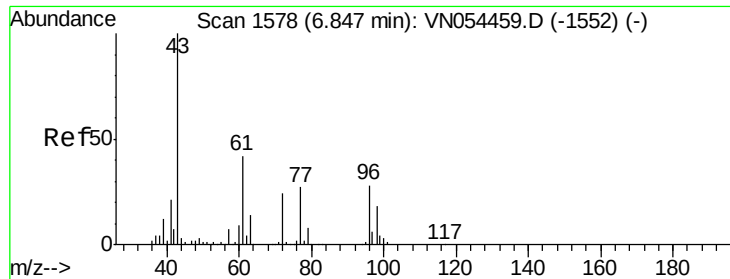
Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.5

100 3.8 2.0 6.0

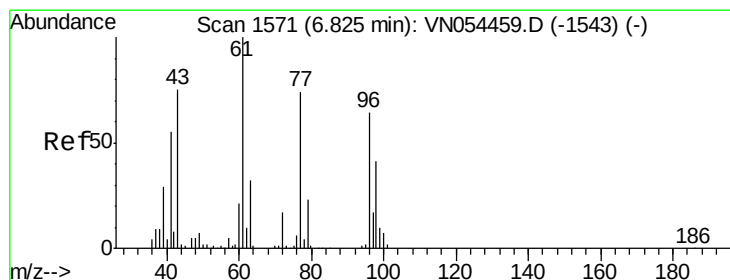
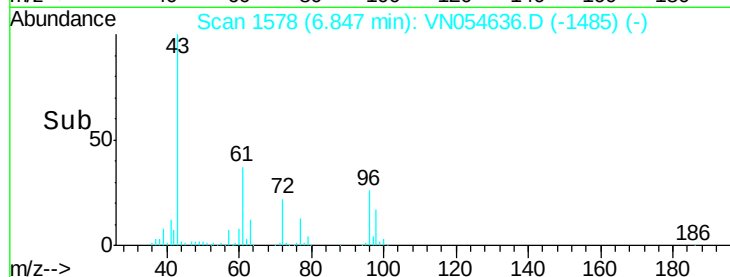
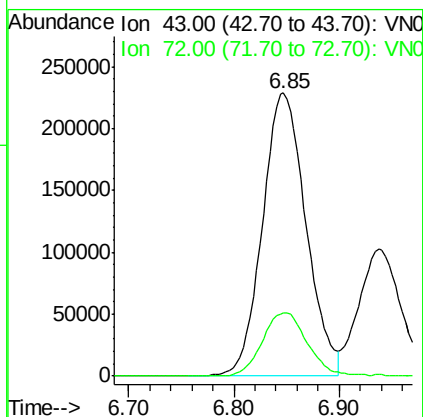
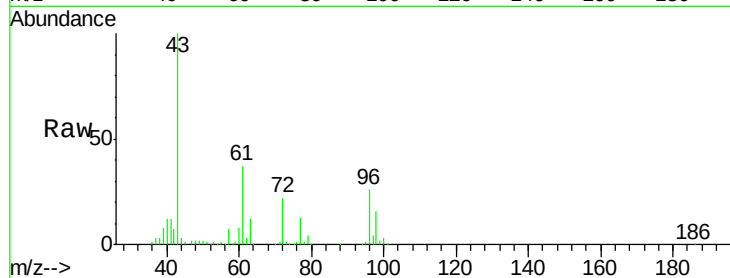




#25
2-Butanone
Concen: 317.965 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

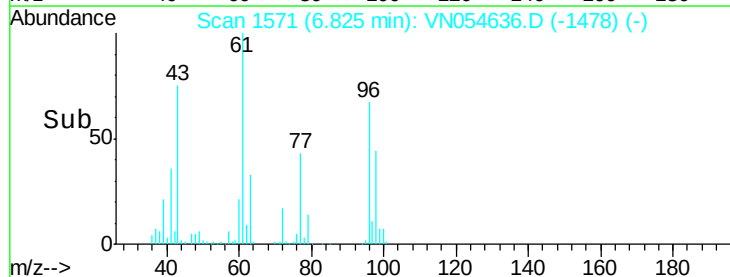
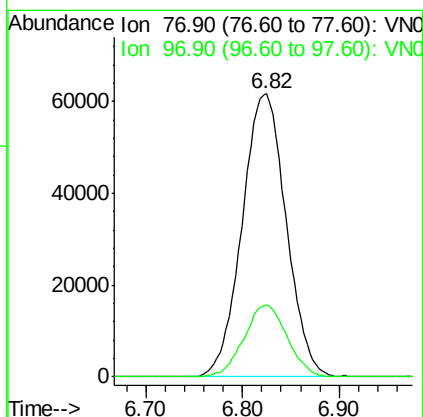
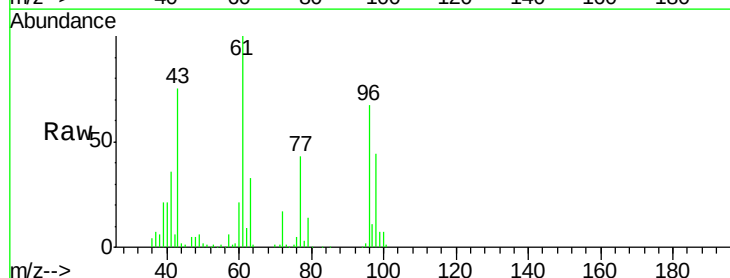
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

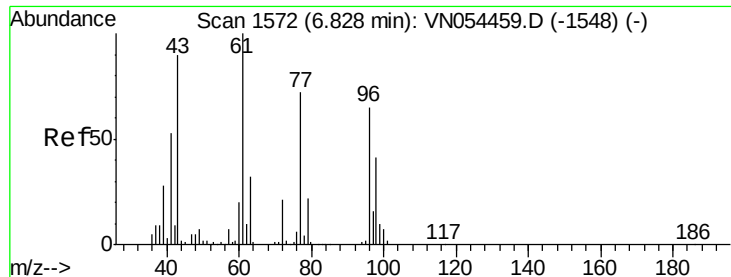
Tot Ion: 43 Resp: 652427
Ion Ratio Lower Upper
43 100
72 22.5 23.0 34.6#



#26
2,2-Dichloropropane
Concen: 33.157 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Tgt Ion: 77 Resp: 195287
Ion Ratio Lower Upper
77 100
97 25.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 55.601 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

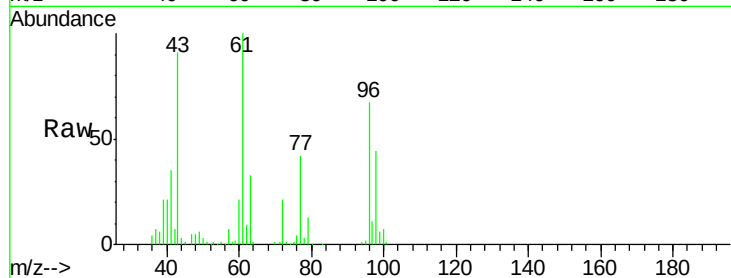
Tot Ion: 96 Resp: 279775

Ion Ratio Lower Upper

96 100

61 149.7 0.0 273.0

98 64.7 0.0 130.6

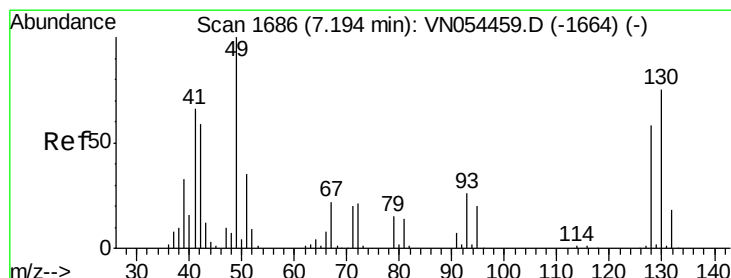
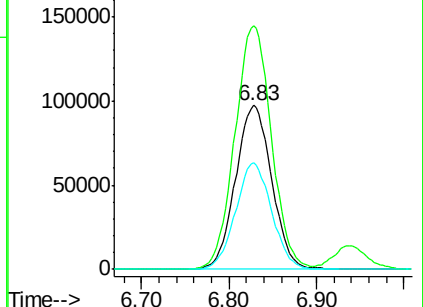
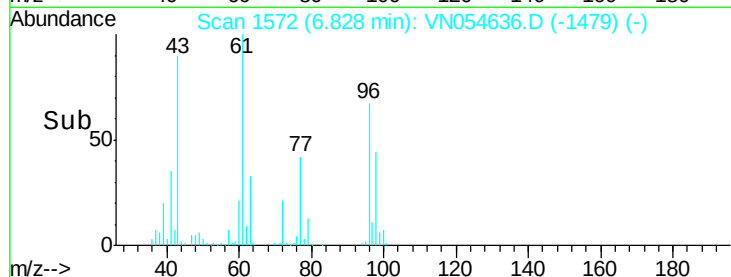


Abundance Ion 95.90 (95.60 to 96.60): VN054459.D (-1548) (-)

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

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

Time-->



#28

Bromochloromethane

Concen: 60.280 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

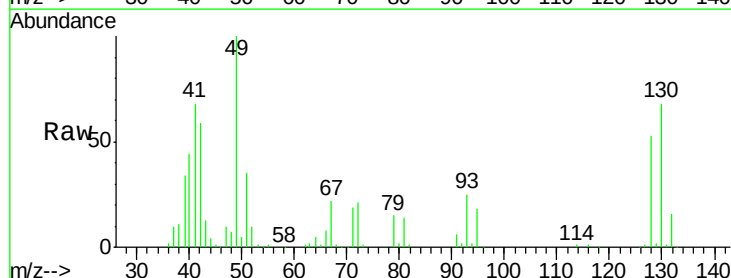
Tgt Ion: 49 Resp: 245155

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

130 68.6 76.7 115.1#

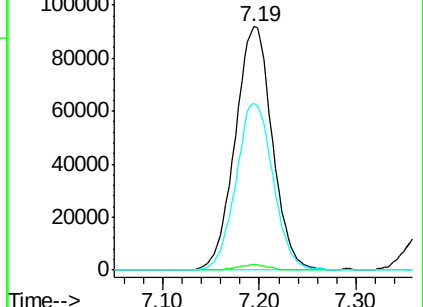
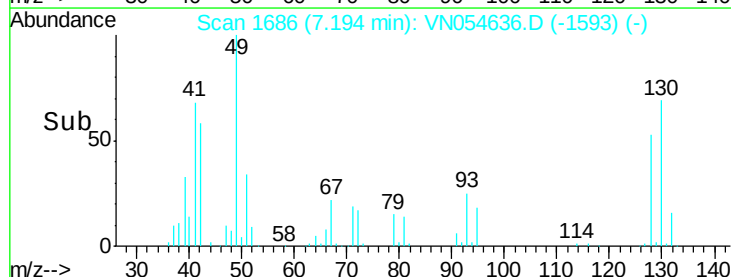


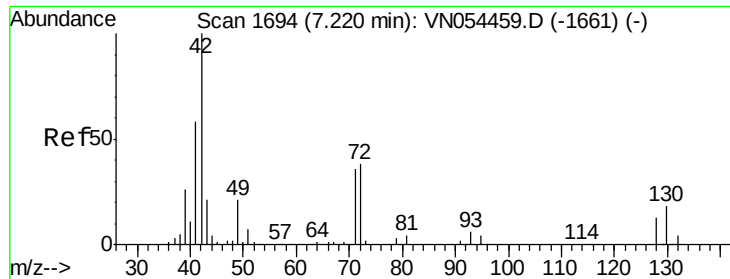
Abundance Ion 48.90 (48.60 to 49.60): VN054459.D (-1664) (-)

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

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

Time-->





#29

Tetrahydrofuran

Concen: 338.496 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

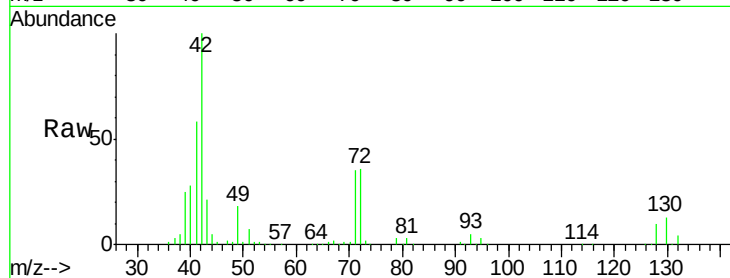
Tot Ion: 42 Resp: 450720

Ion Ratio Lower Upper

42 100

72 36.2 37.8 56.6#

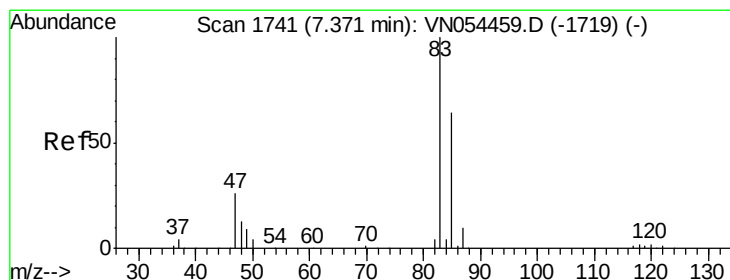
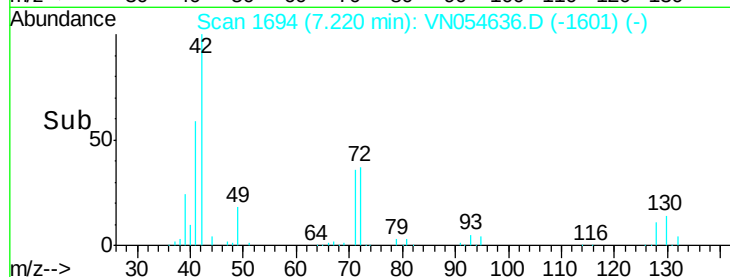
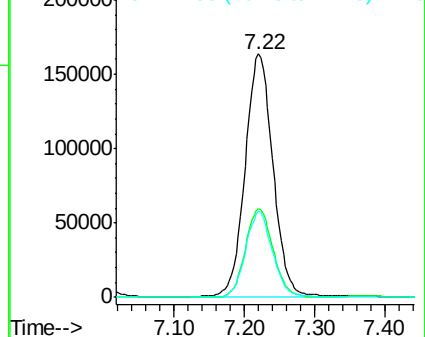
71 34.2 36.2 54.2#



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: 57.738 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN054636.D

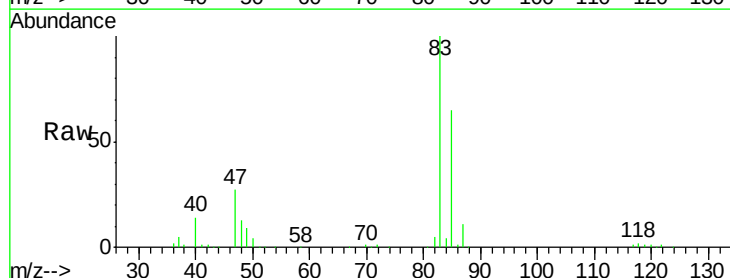
Acq: 24 Mar 2019 6:38

Tgt Ion: 83 Resp: 465563

Ion Ratio Lower Upper

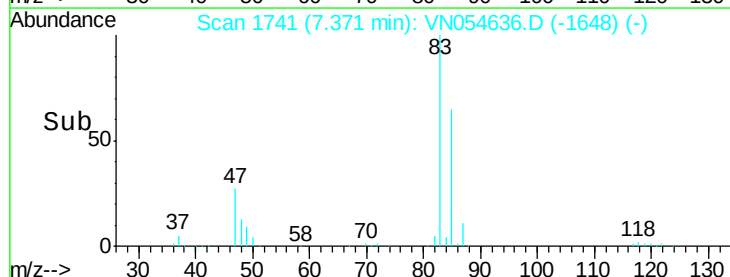
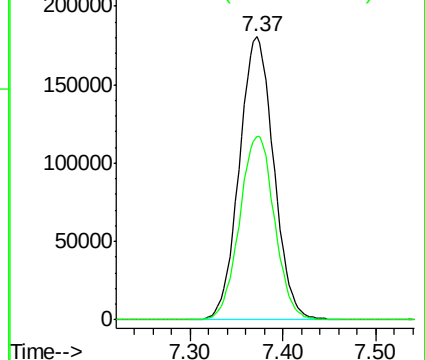
83 100

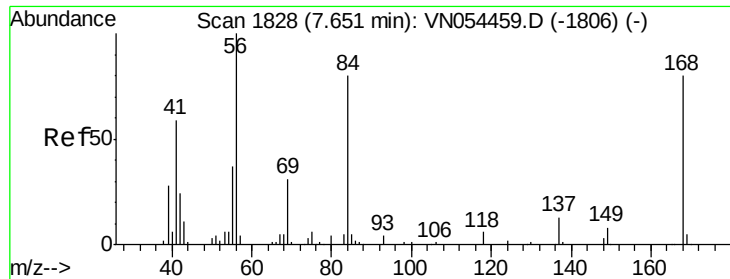
85 65.0 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

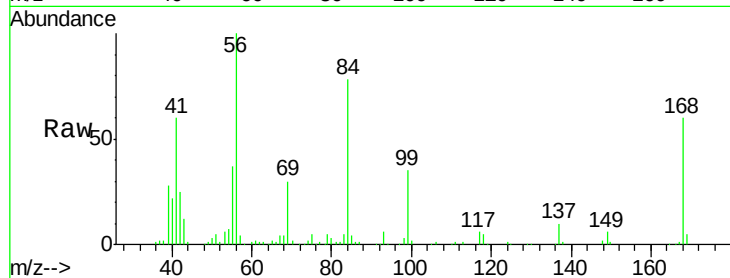




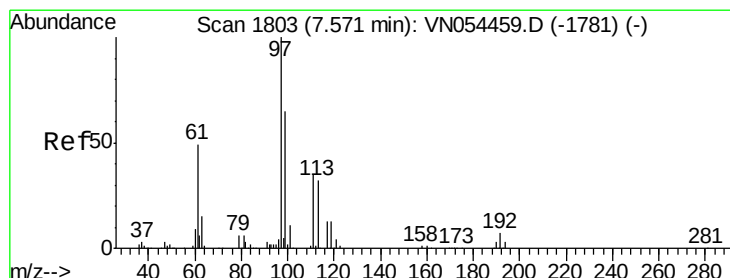
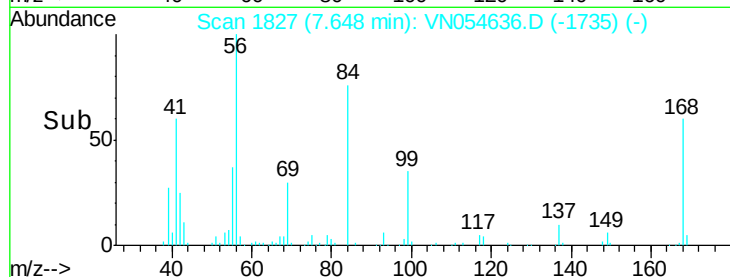
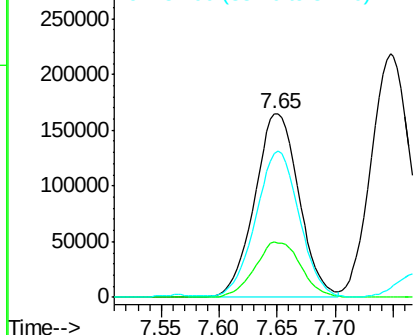
#31
Cyclohexane
Concen: 55.534 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 438037
Ion Ratio Lower Upper
56 100
69 30.0 27.8 41.6
84 76.9 74.6 111.8

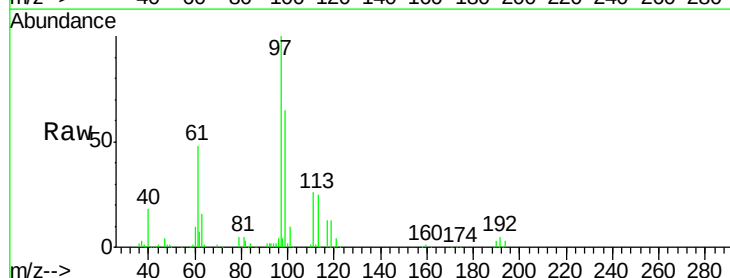


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

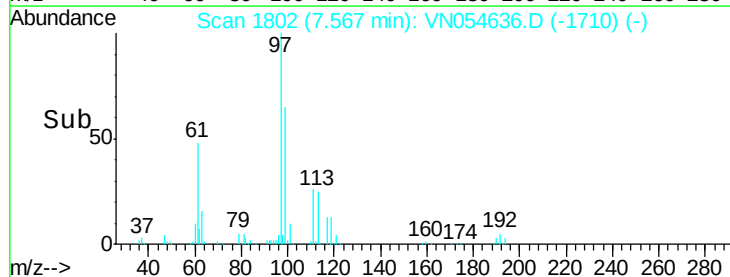
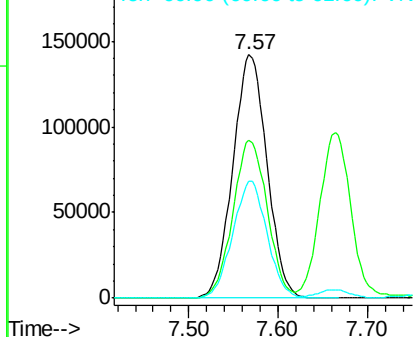


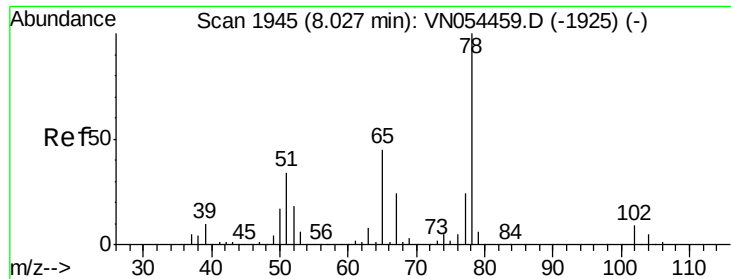
#32
1,1,1-Trichloroethane
Concen: 56.592 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Tgt Ion: 97 Resp: 376465
Ion Ratio Lower Upper
97 100
99 65.2 51.5 77.3
61 48.3 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

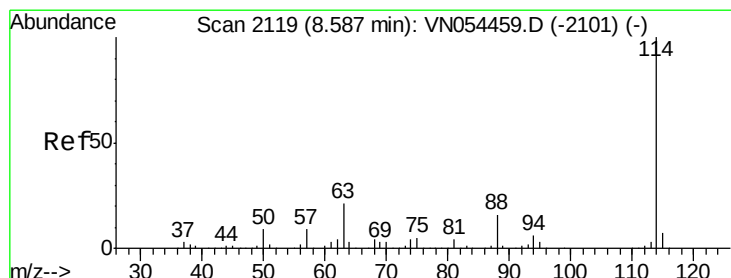
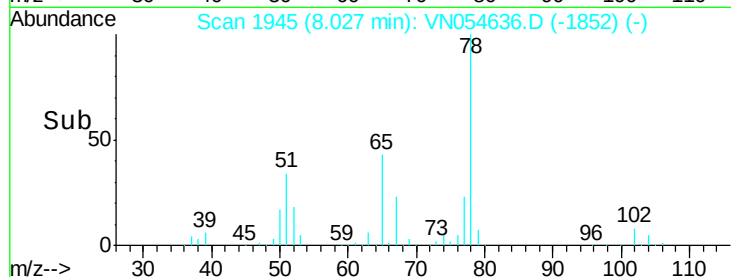
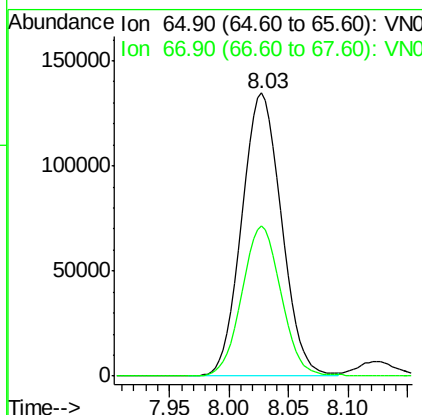
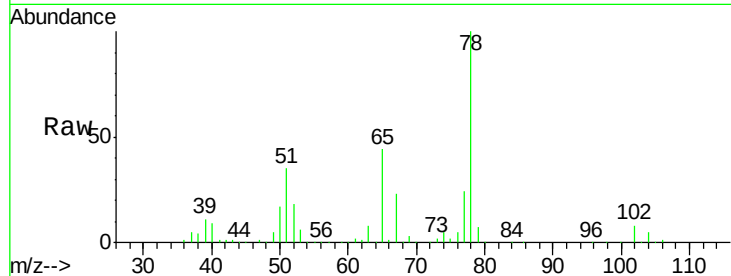




#33
 1,2-Dichloroethane-d4
 Concen: 58.564 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

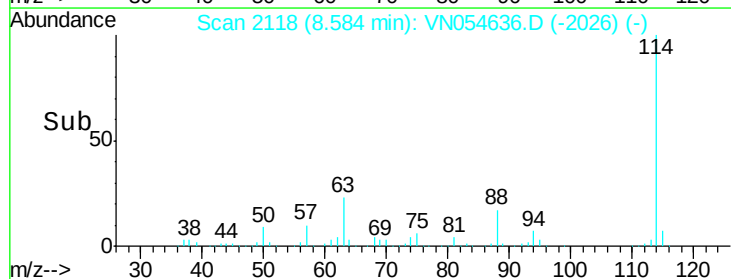
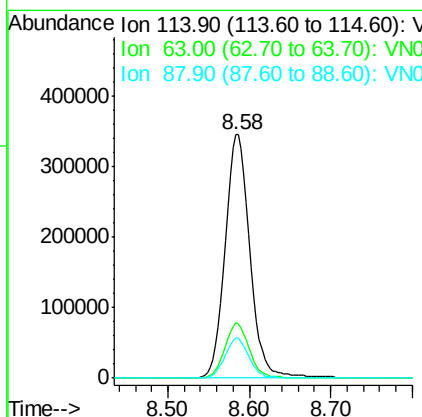
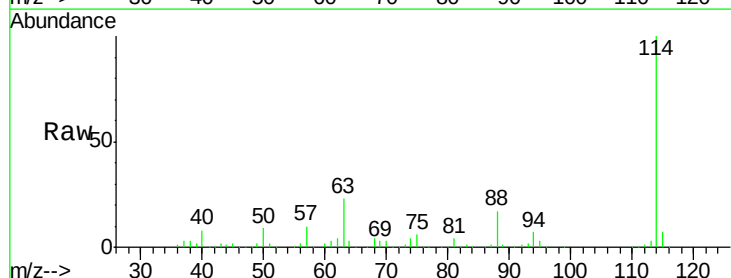
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

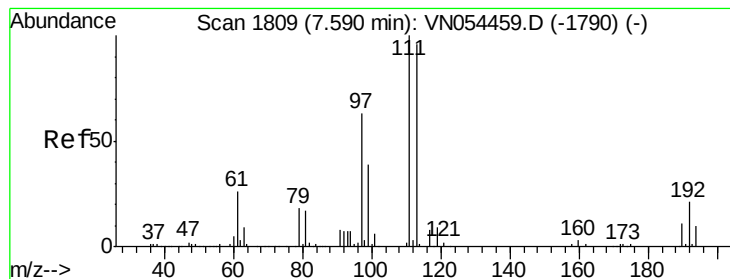
Tot Ion: 65 Resp: 312015
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

Tgt Ion: 114 Resp: 744469
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 35.2
 88 16.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.875 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

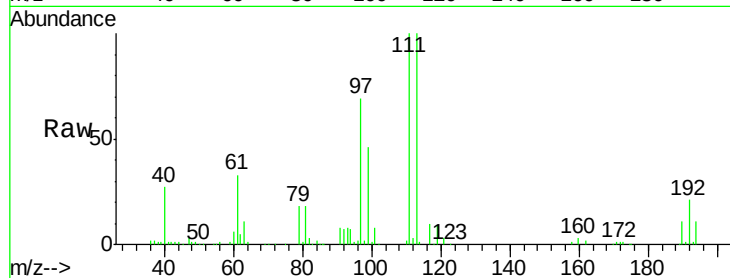
Tot Ion:113 Resp: 244010

Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.4

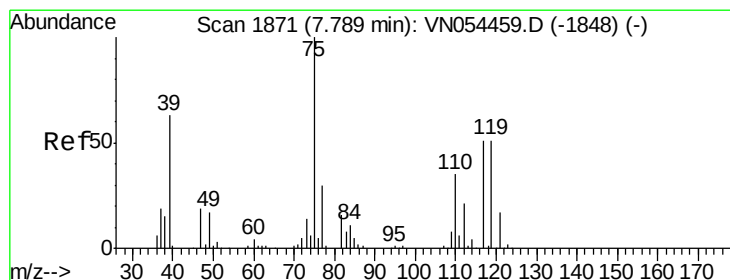
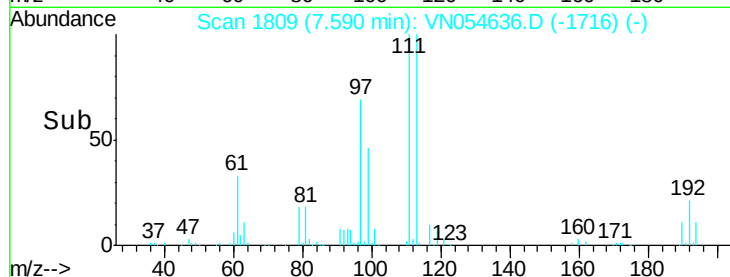
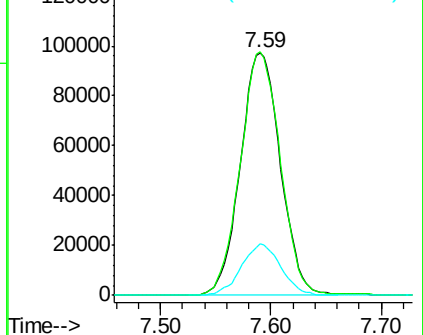
192 20.9 19.2 28.8



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: 50.855 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

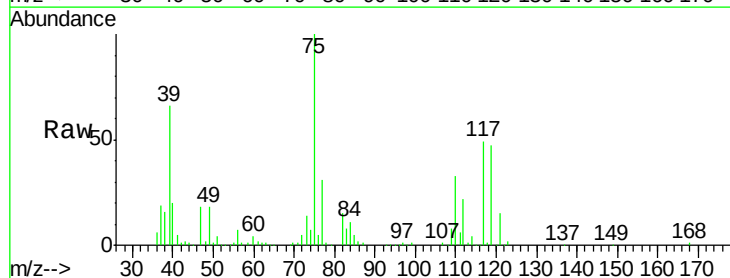
Tgt Ion: 75 Resp: 353990

Ion Ratio Lower Upper

75 100

110 32.7 19.1 57.5

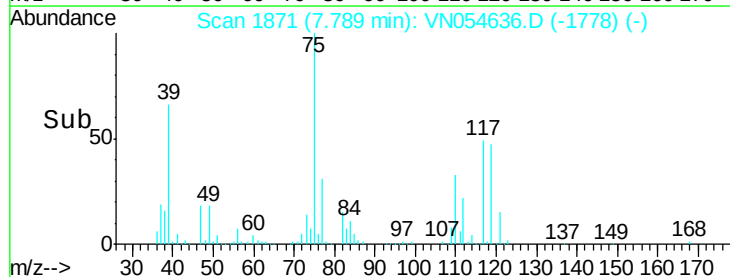
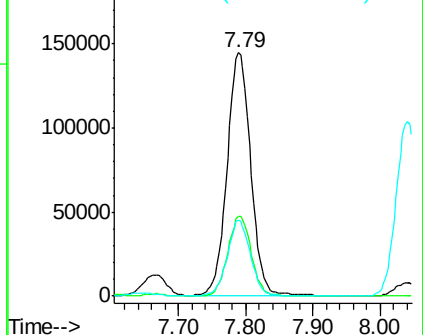
77 30.5 25.0 37.4

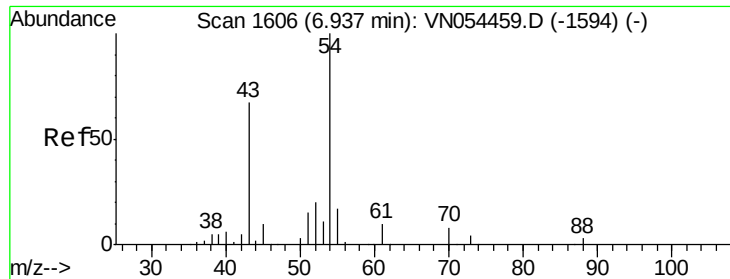


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

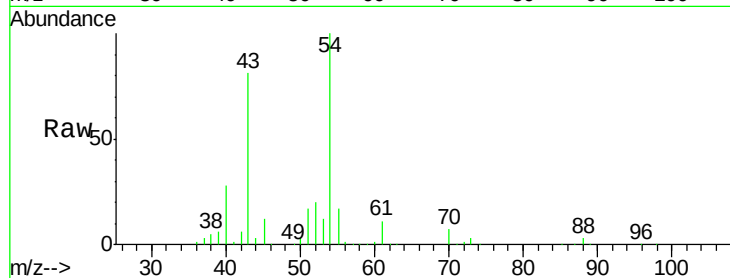




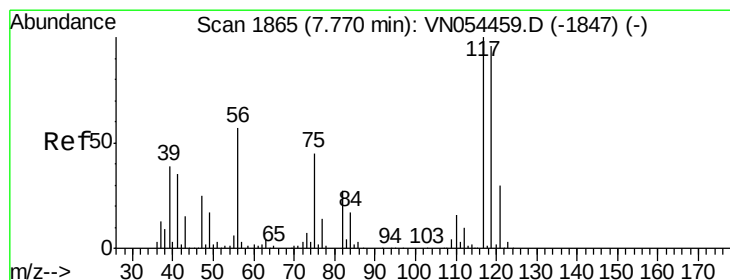
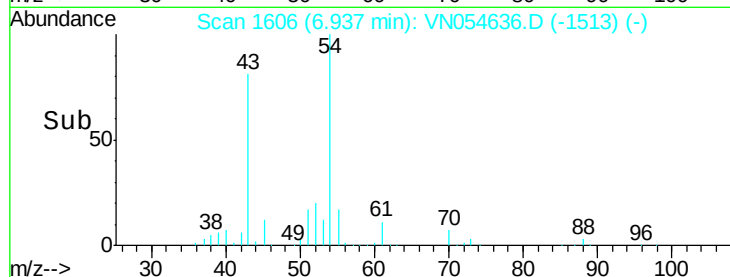
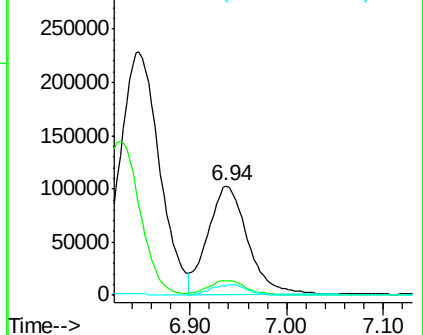
#37
Ethyl Acetate
Concen: 58.563 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 289934
Ion Ratio Lower Upper
43 100
61 12.8 11.8 17.6
70 9.3 8.4 12.6

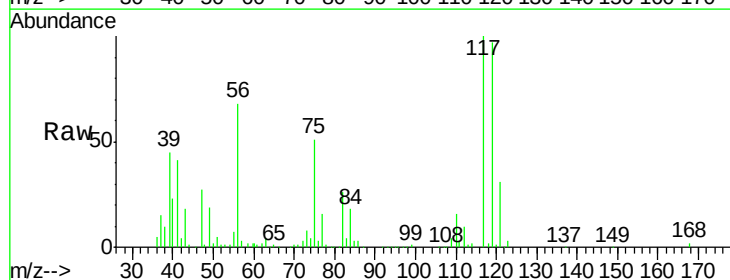


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

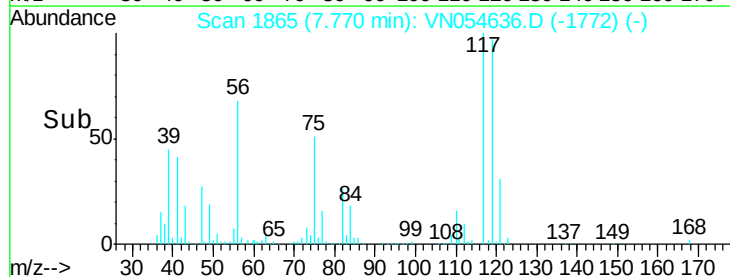
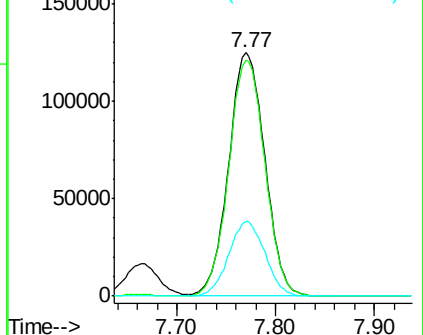


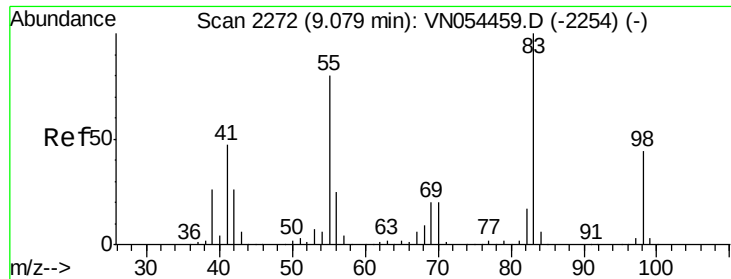
#38
Carbon Tetrachloride
Concen: 47.319 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Tgt Ion: 117 Resp: 320081
Ion Ratio Lower Upper
117 100
119 96.9 76.3 114.5
121 30.8 24.6 36.8



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

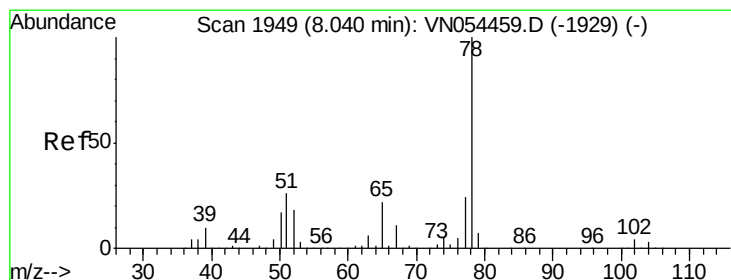
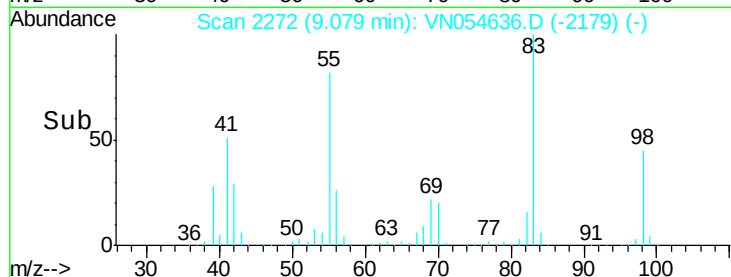
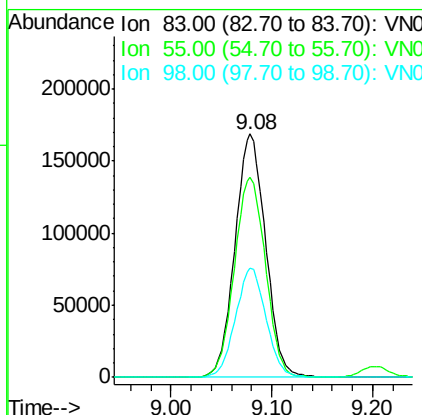
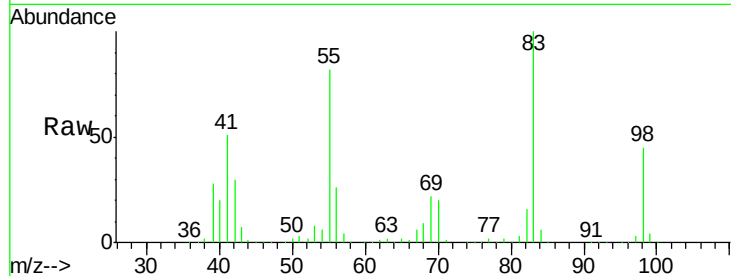




#39
Methylvlcyclohexane
Concen: 44.594 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

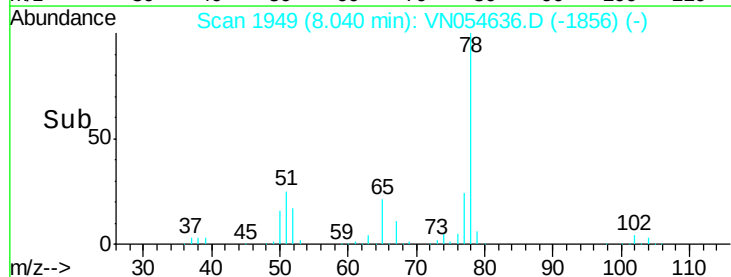
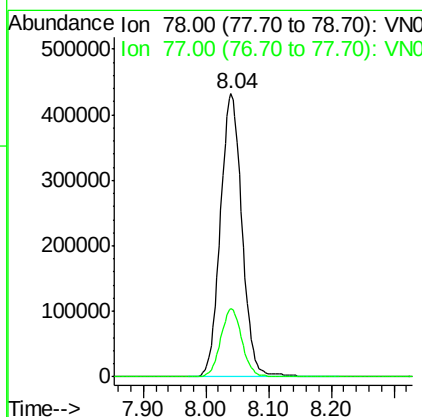
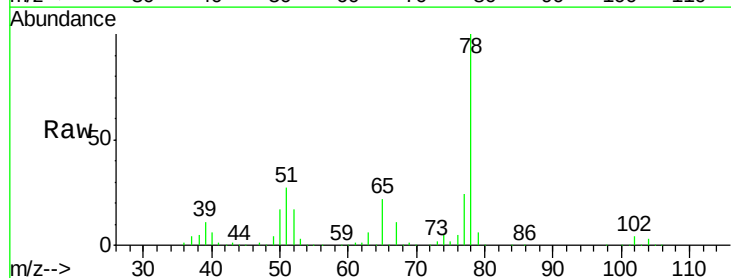
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

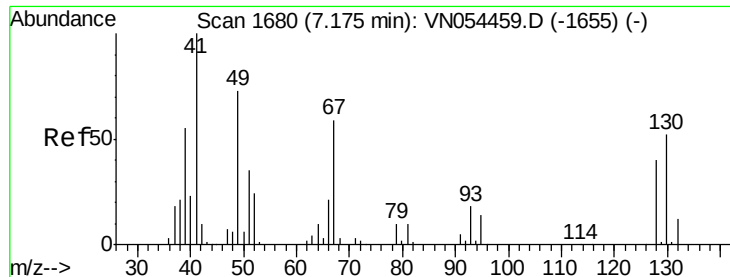
Tot Ion: 83 Resp: 355078
Ion Ratio Lower Upper
83 100
55 81.9 56.6 84.8
98 45.1 38.4 57.6



#40
Benzene
Concen: 51.970 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Tgt Ion: 78 Resp: 1034450
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7

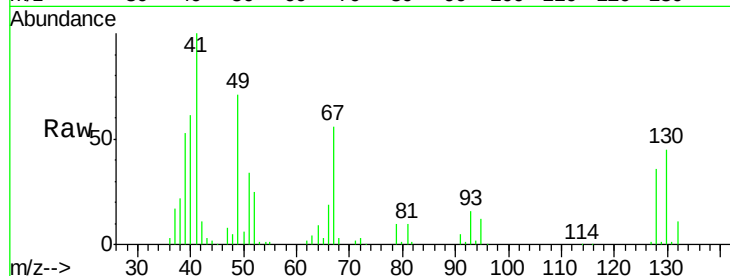




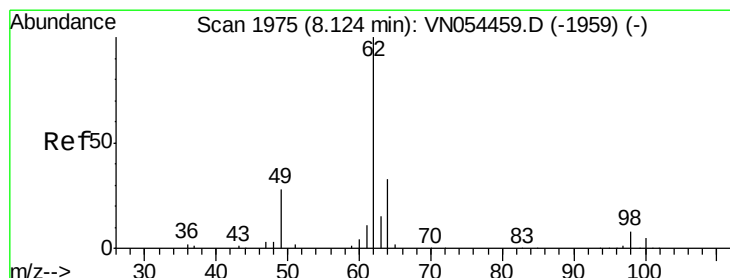
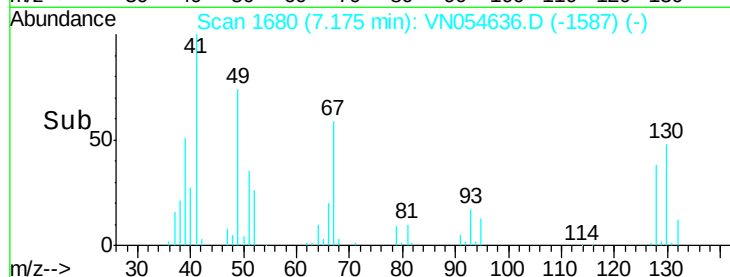
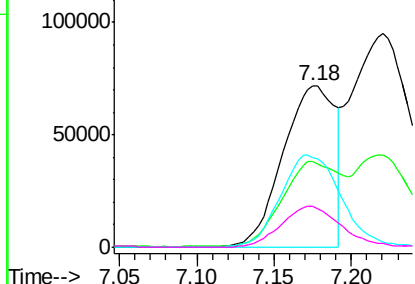
#41
Methacrylonitrile
Concen: 55.424 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 167339
Ion Ratio Lower Upper
41 100
39 60.5 46.8 70.2
67 67.3 67.0 100.4
52 28.8 26.5 39.7

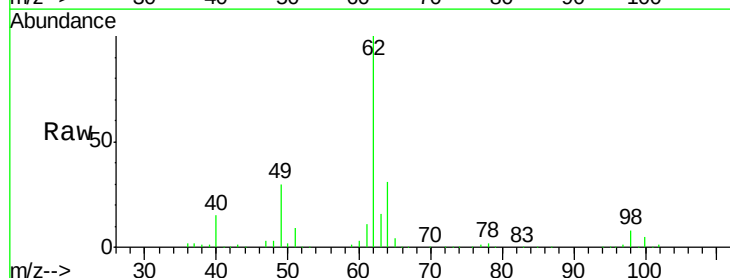


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

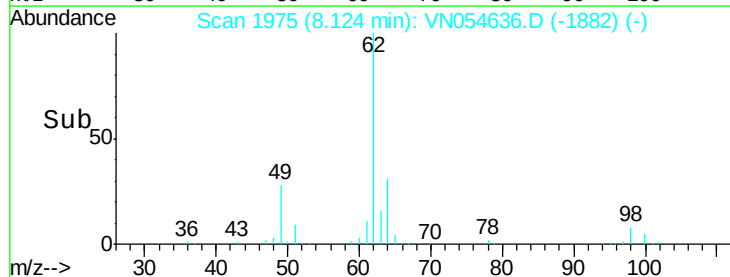
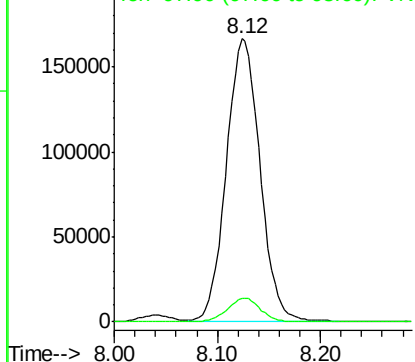


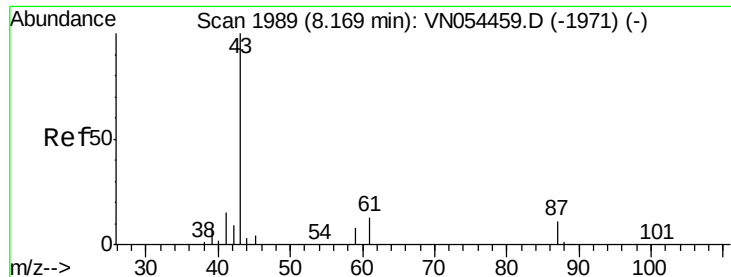
#42
1,2-Dichloroethane
Concen: 52.173 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Tgt Ion: 62 Resp: 378200
Ion Ratio Lower Upper
62 100
98 8.2 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 58.939 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

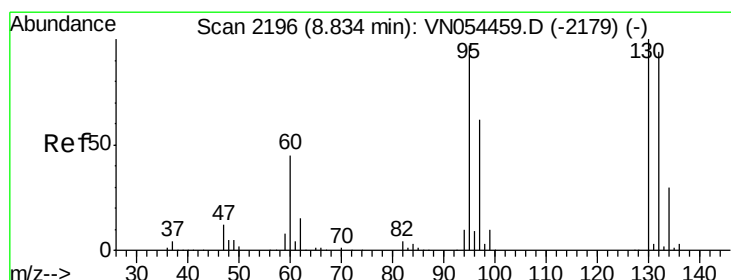
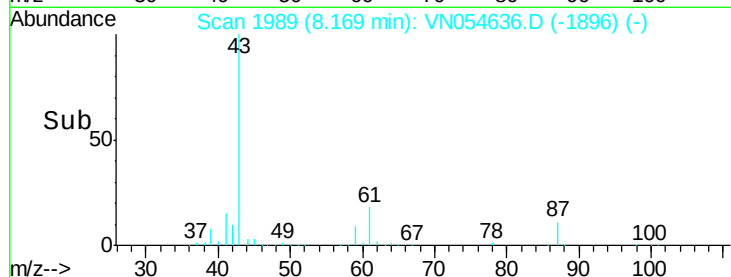
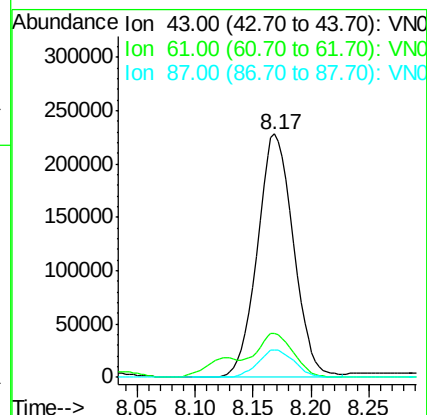
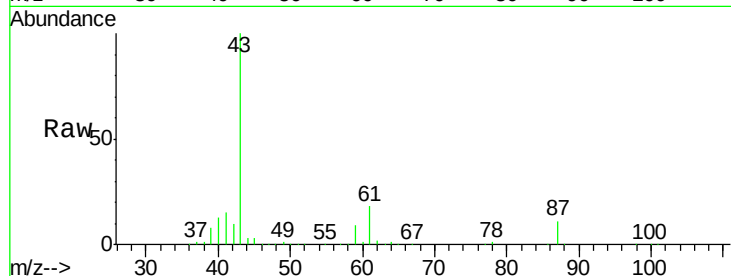
Tot Ion: 43 Resp: 492799

Ion Ratio Lower Upper

43 100

61 18.0 15.8 23.8

87 11.4 12.0 18.0#



#44

Trichloroethene

Concen: 48.617 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054636.D

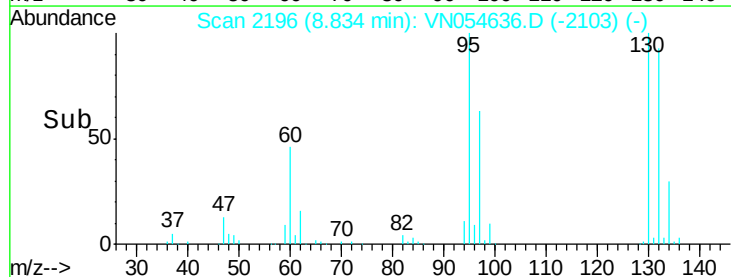
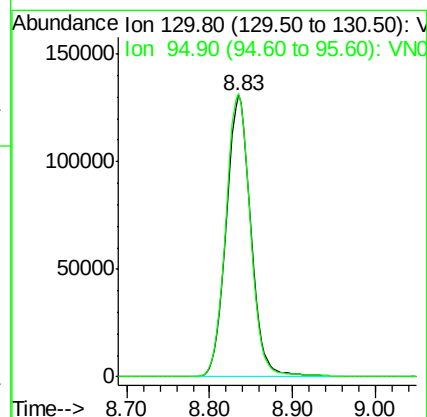
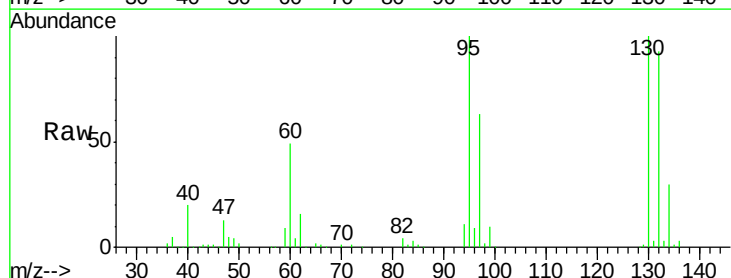
Acq: 24 Mar 2019 6:38

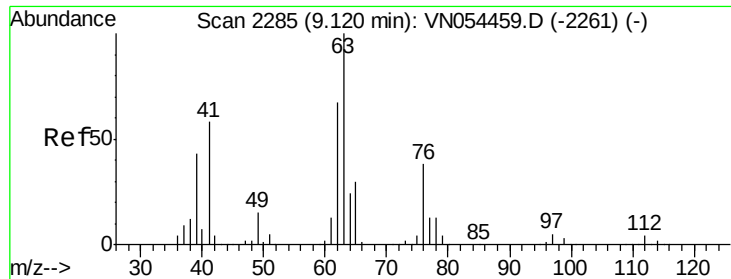
Tgt Ion: 130 Resp: 269046

Ion Ratio Lower Upper

130 100

95 100.4 0.0 185.2

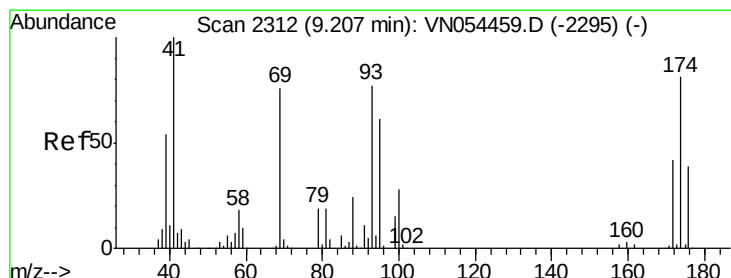
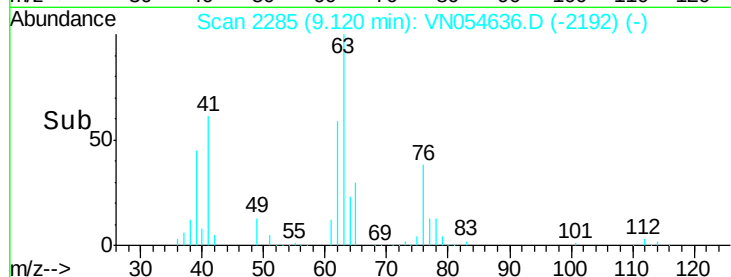
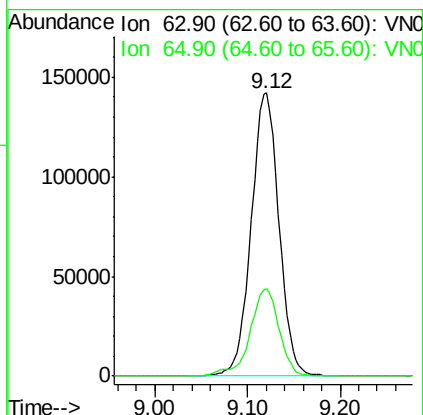
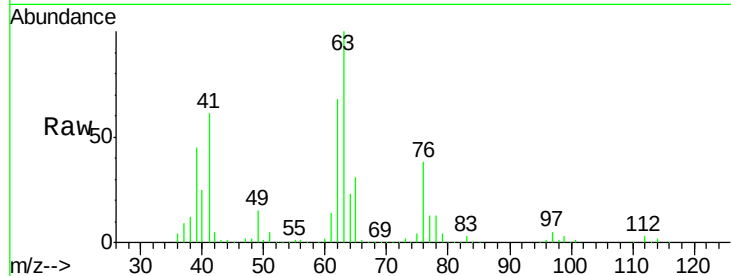




#45
 1,2-Dichloropropane
 Concen: 55.249 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

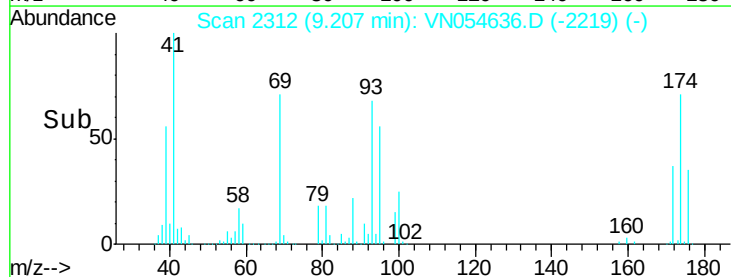
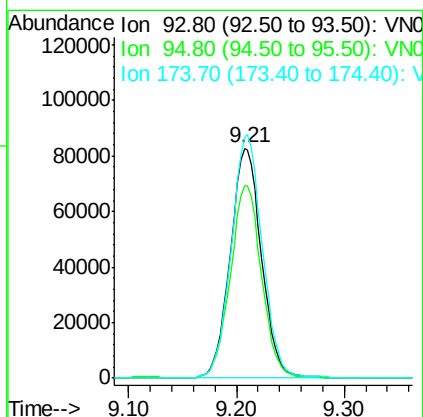
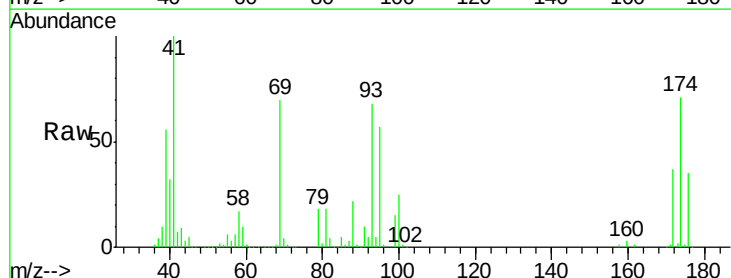
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

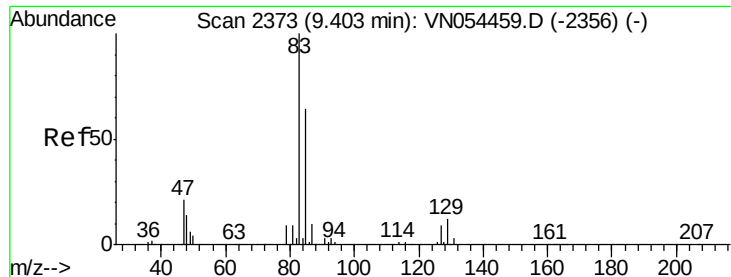
Tot Ion: 63 Resp: 295301
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6



#46
 Dibromomethane
 Concen: 52.260 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

Tgt Ion: 93 Resp: 166638
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.7 100.1
 174 105.8 98.5 147.7





#47

Bromodichloromethane

Concen: 51.832 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

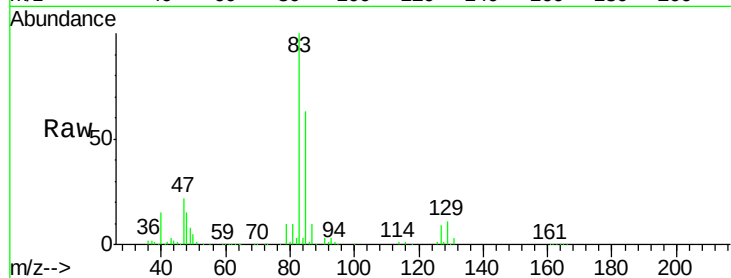
Tot Ion: 83 Resp: 343000

Ion Ratio Lower Upper

83 100

85 63.3 52.8 79.2

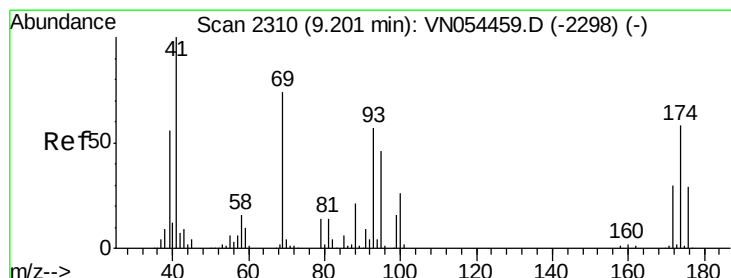
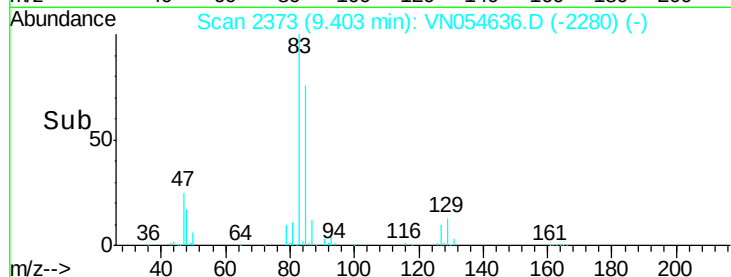
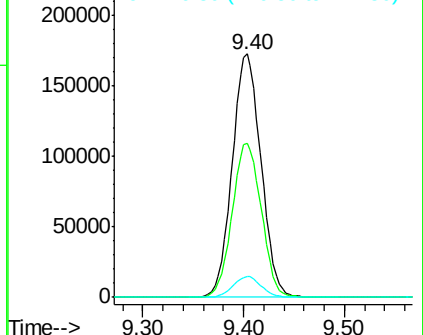
127 8.7 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 57.010 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

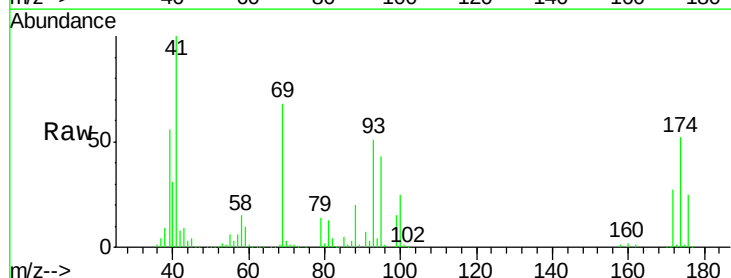
Tgt Ion: 41 Resp: 258718

Ion Ratio Lower Upper

41 100

69 72.5 72.6 108.8#

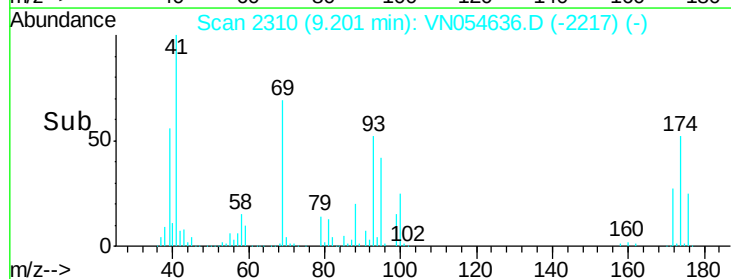
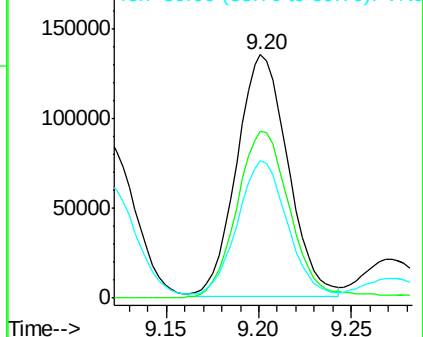
39 55.6 47.5 71.3

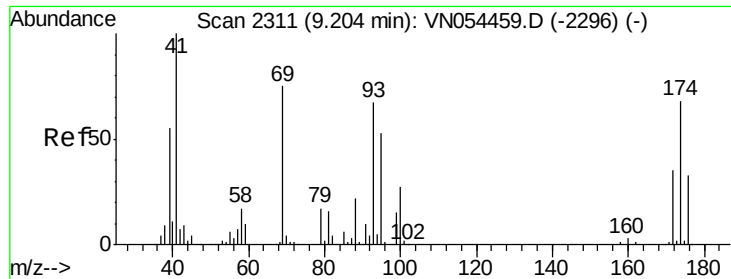


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1158.912 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

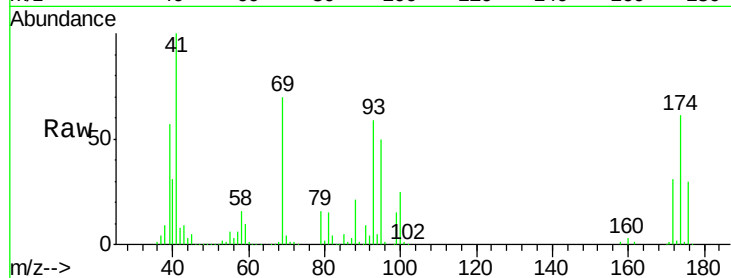
Tot Ion: 88 Resp: 58796

Ion Ratio Lower Upper

88 100

43 37.7 24.1 36.1#

58 75.1 50.8 76.2

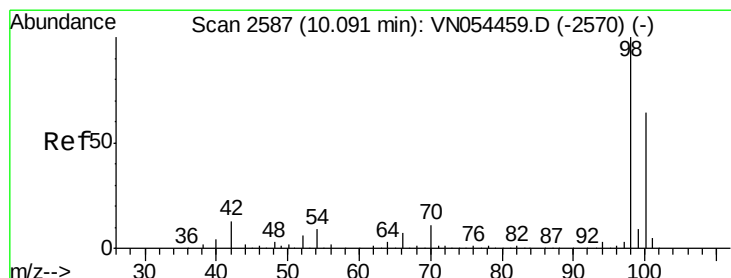
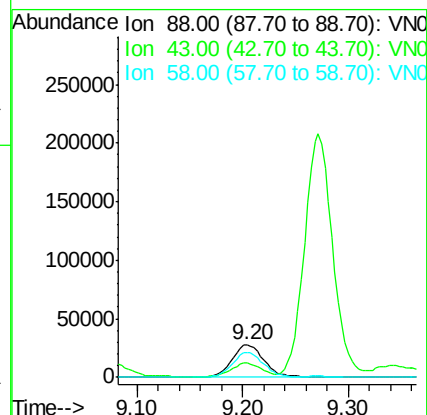
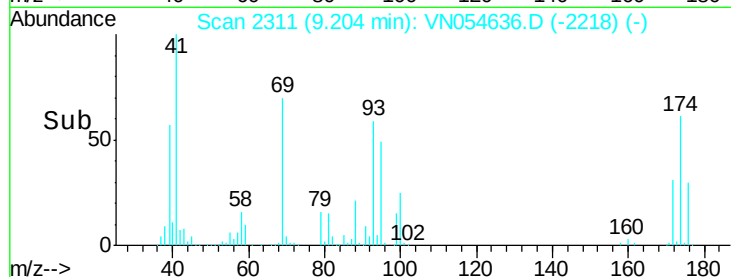


Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

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

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

Time-->



#50

Toluene-d8

Concen: 49.788 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054636.D

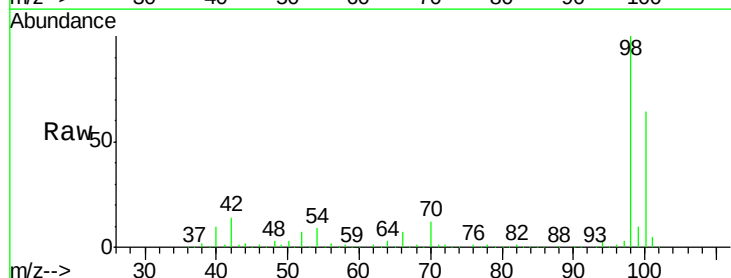
Acq: 24 Mar 2019 6:38

Tgt Ion: 98 Resp: 897728

Ion Ratio Lower Upper

98 100

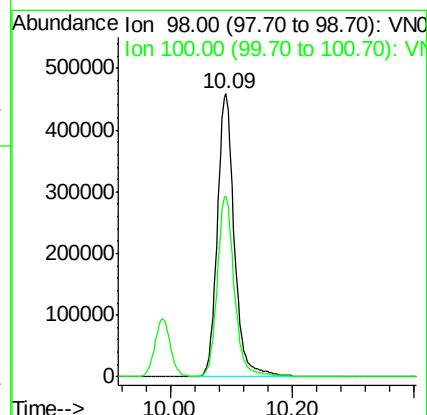
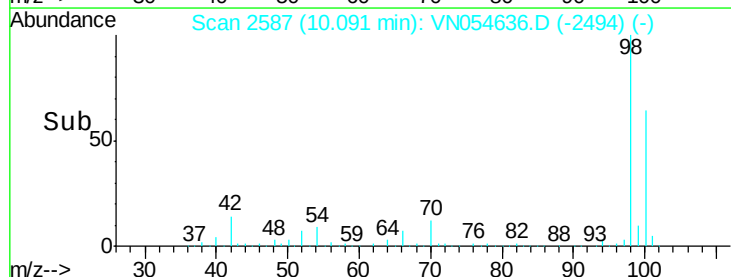
100 63.8 51.2 76.8

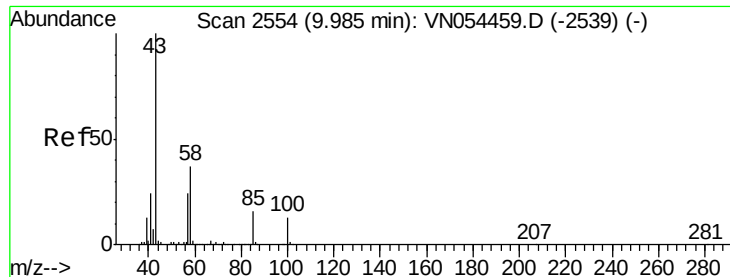


Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

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

Time-->





#51

4-Methyl-2-Pentanone

Concen: 308.089 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

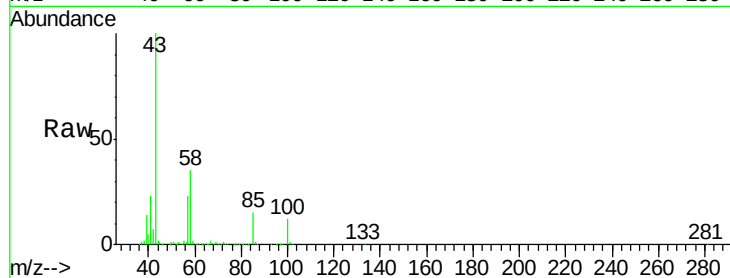
VSTDCCC050EC

Tot Ion: 43 Resp: 1427624

Ion Ratio Lower Upper

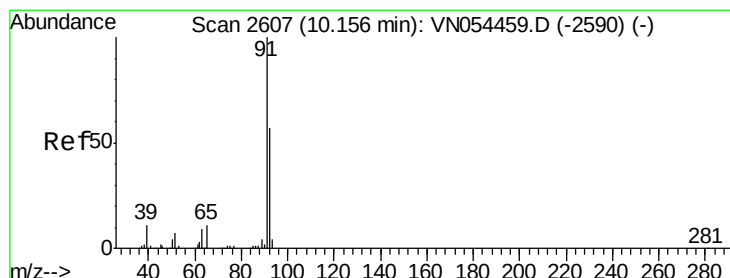
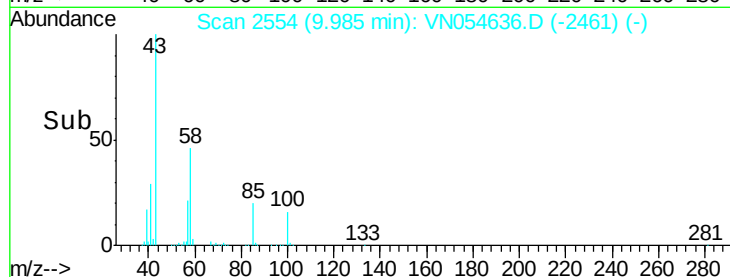
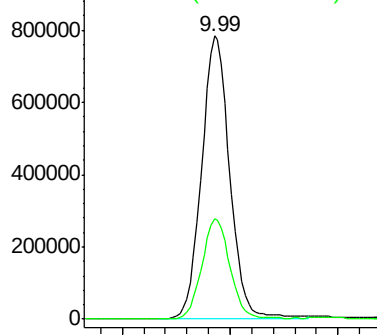
43 100

58 35.5 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.517 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054636.D

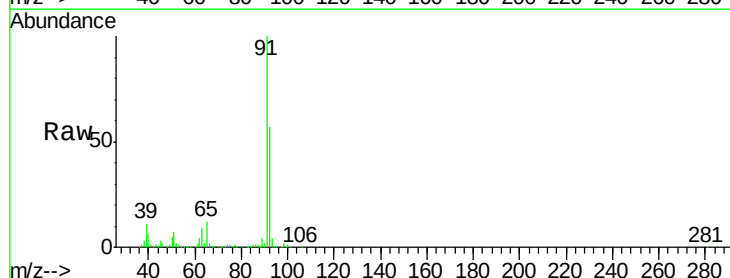
Acq: 24 Mar 2019 6:38

Tgt Ion: 92 Resp: 618448

Ion Ratio Lower Upper

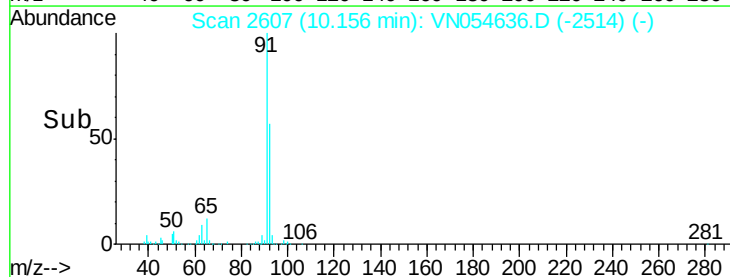
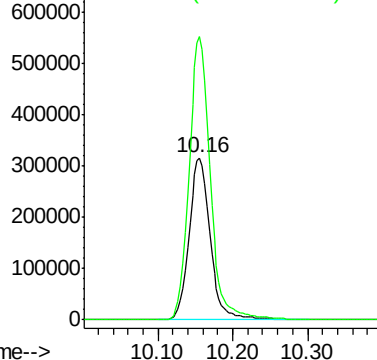
92 100

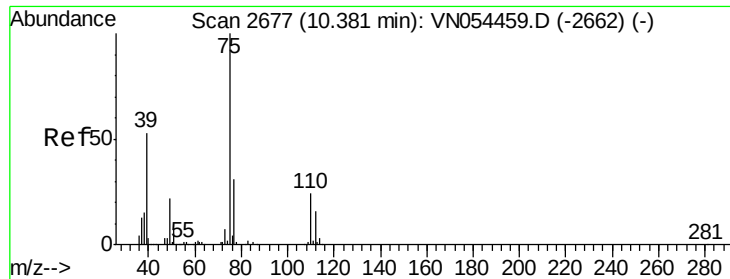
91 175.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 44.823 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

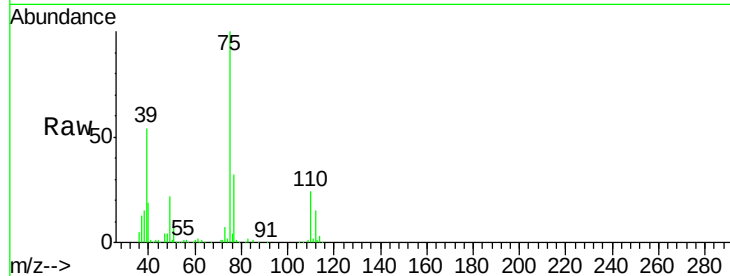
VSTDCCC050EC

Tot Ion: 75 Resp: 311212

Ion Ratio Lower Upper

75 100

77 31.2 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

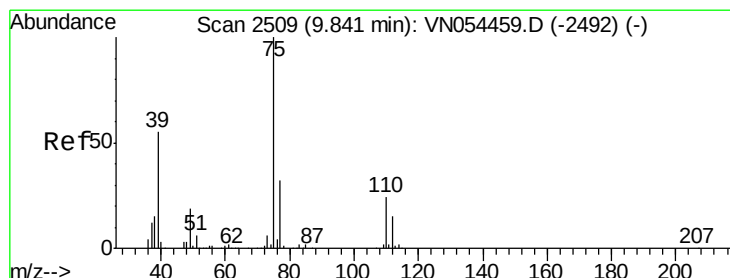
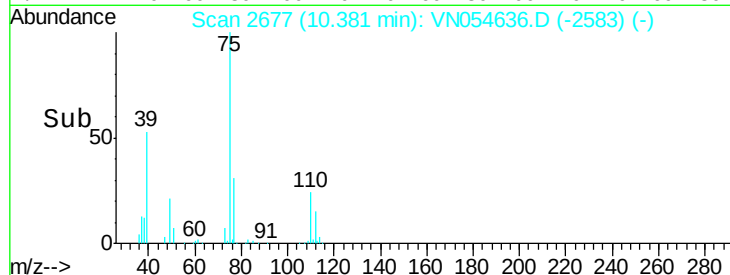
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.435 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

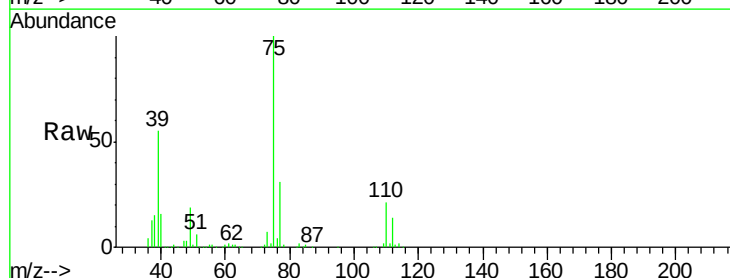
Tgt Ion: 75 Resp: 382686

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 55.2 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

250000

200000

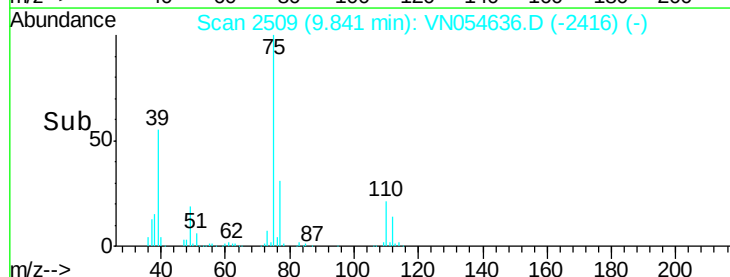
150000

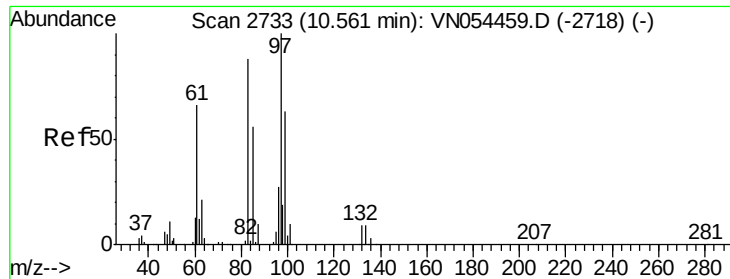
100000

50000

0

Time-->

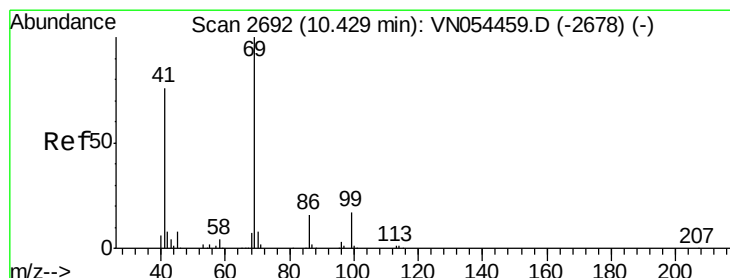
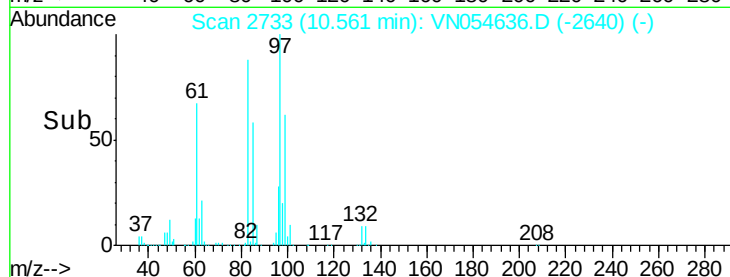
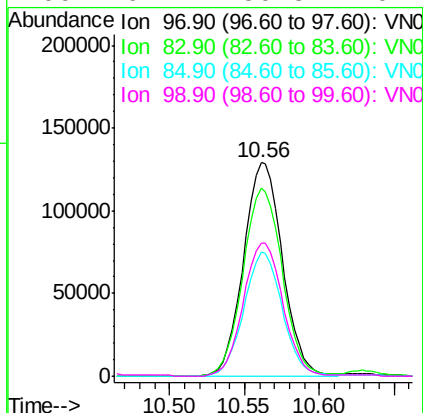
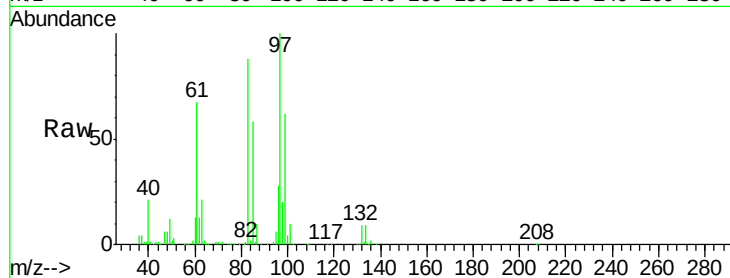




#55
 1,1,2-Trichloroethane
 Concen: 53.404 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

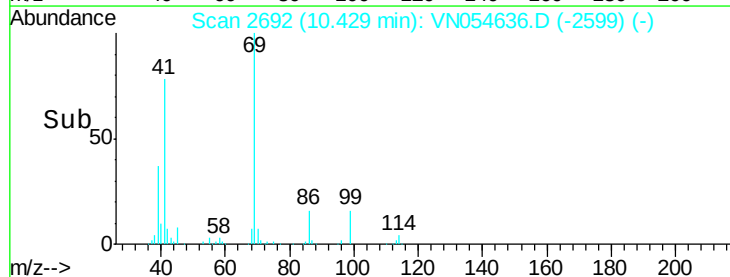
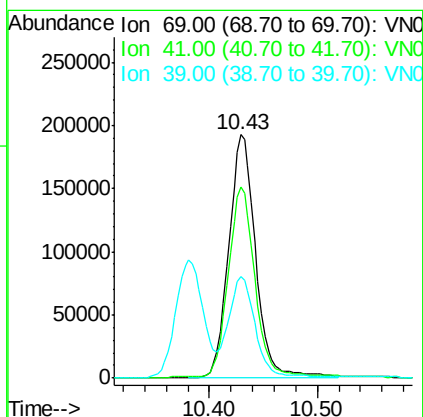
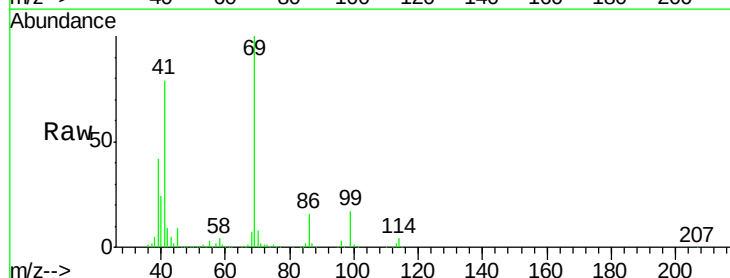
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

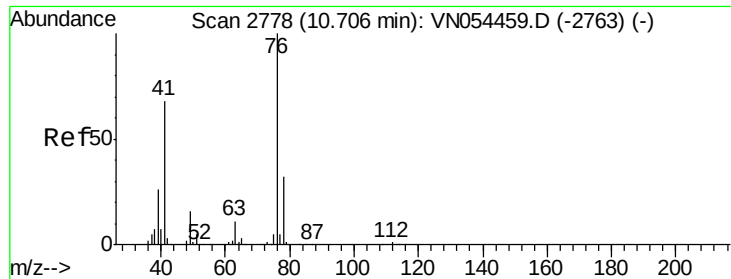
Tot Ion:	97	Resp:	235017
Ion	Ratio	Lower	Upper
97	100		
83	88.2	66.6	100.0
85	58.0	44.4	66.6
99	62.1	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 56.799 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

Tgt Ion:	69	Resp:	335492
Ion	Ratio	Lower	Upper
69	100		
41	77.4	49.4	74.2#
39	38.6	28.3	42.5

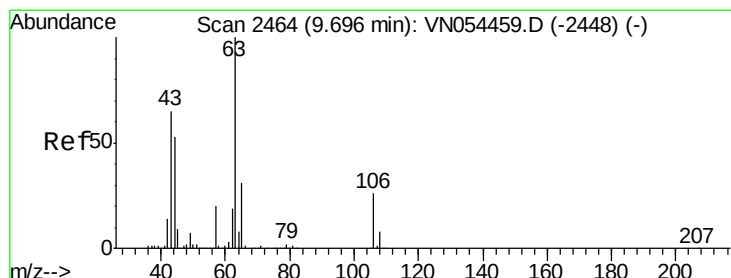
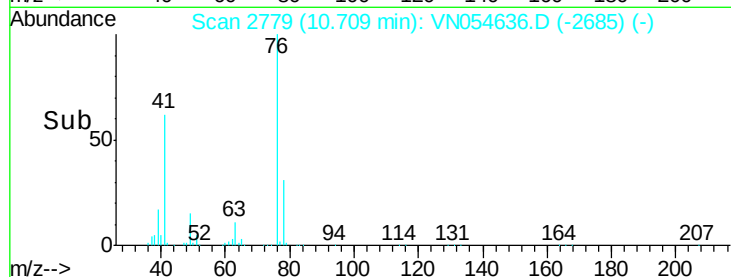
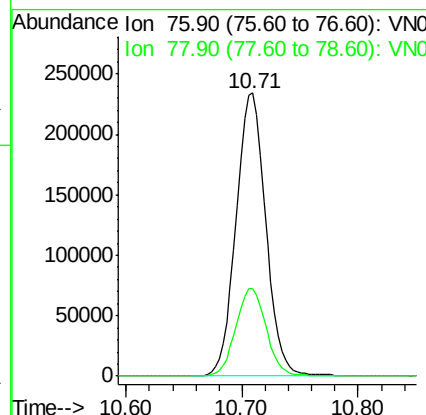
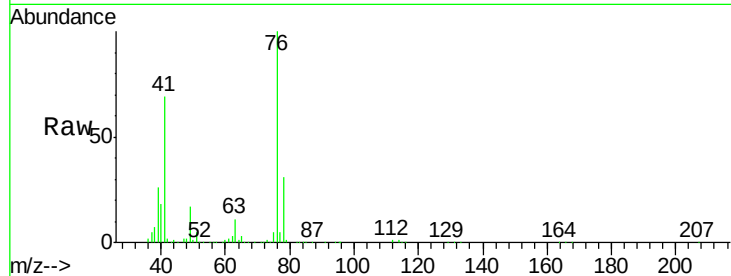




#57
 1,3-Dichloropropane
 Concen: 54.413 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

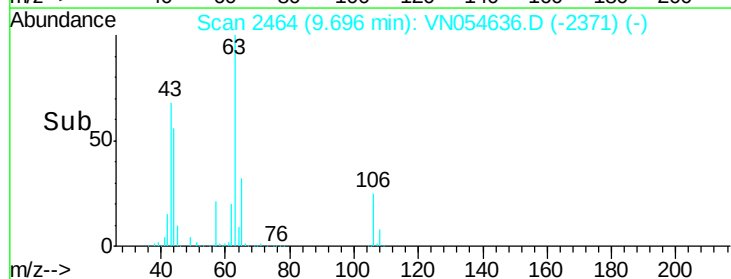
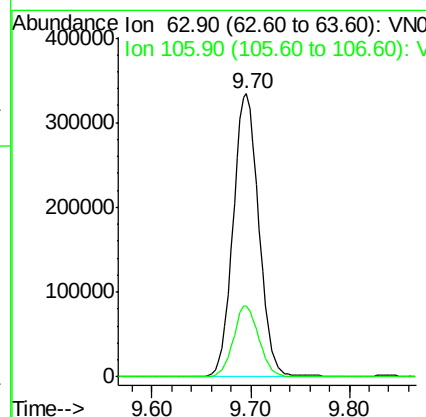
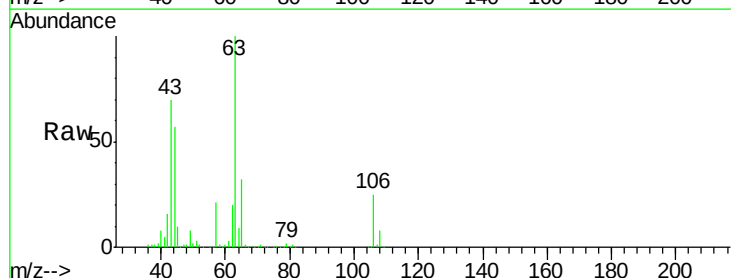
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

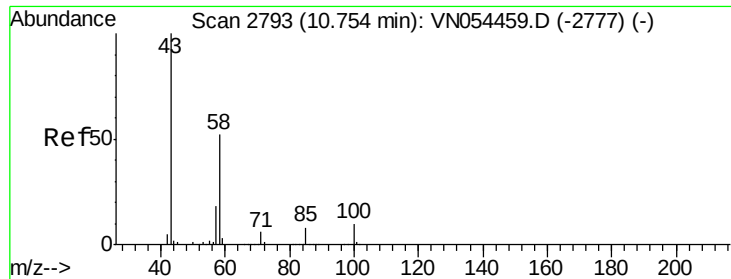
Tot Ion: 76 Resp: 416247
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.621 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

Tgt Ion: 63 Resp: 609566
 Ion Ratio Lower Upper
 63 100
 106 24.7 24.4 36.6

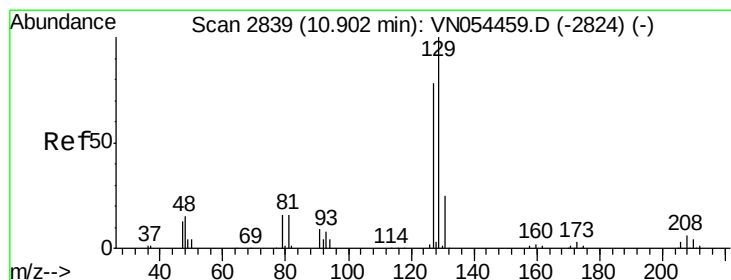
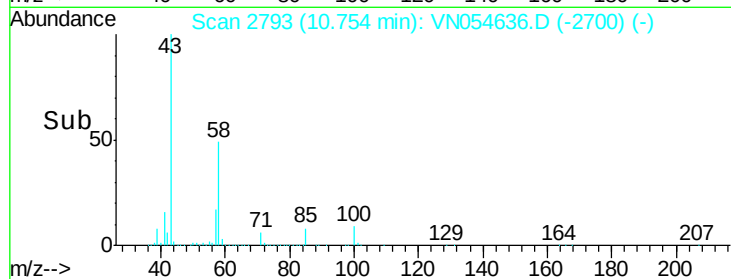
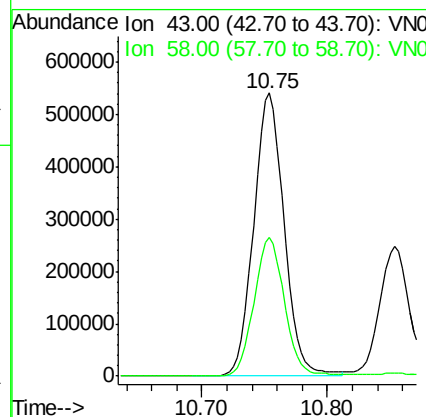
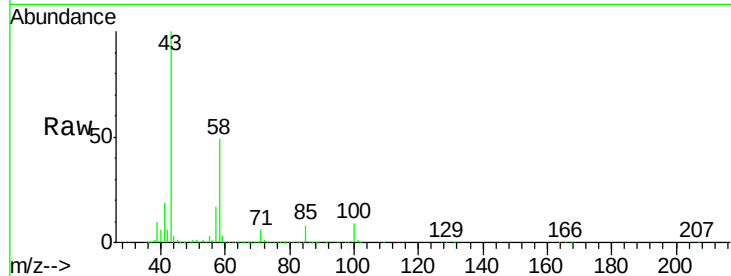




#59
2-Hexanone
Concen: 300.427 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

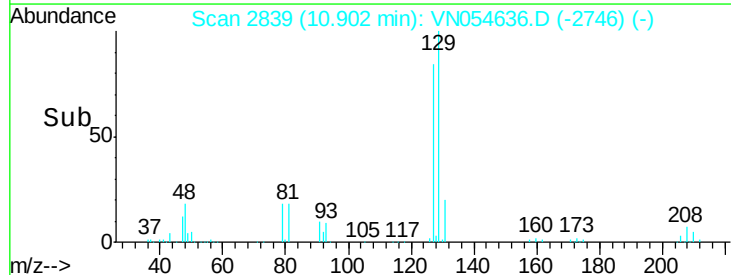
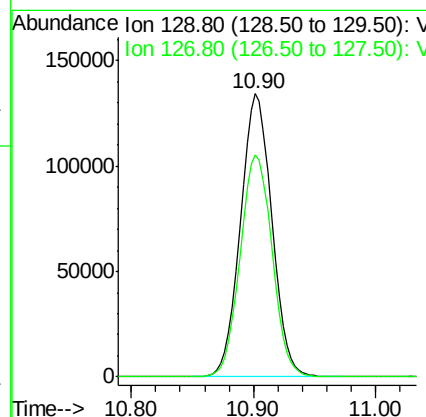
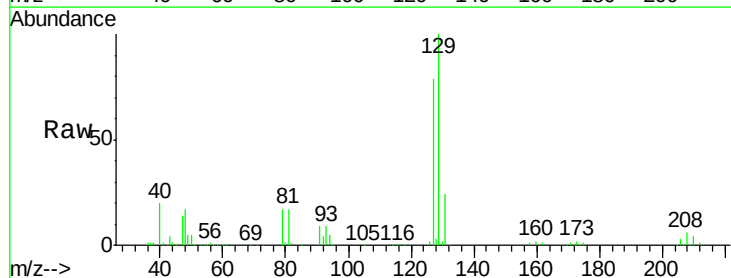
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

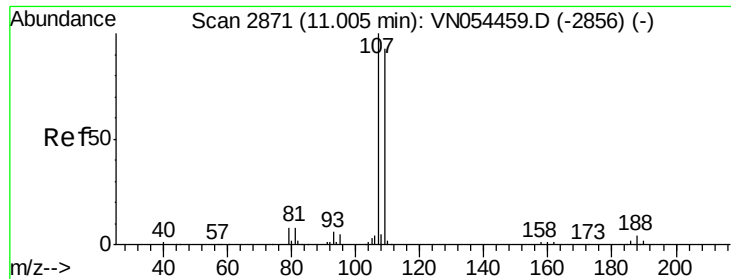
Tot Ion: 43 Resp: 909315
Ion Ratio Lower Upper
43 100
58 49.5 28.0 83.9



#60
Dibromochloromethane
Concen: 50.739 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Tgt Ion: 129 Resp: 237600
Ion Ratio Lower Upper
129 100
127 80.4 38.6 115.8

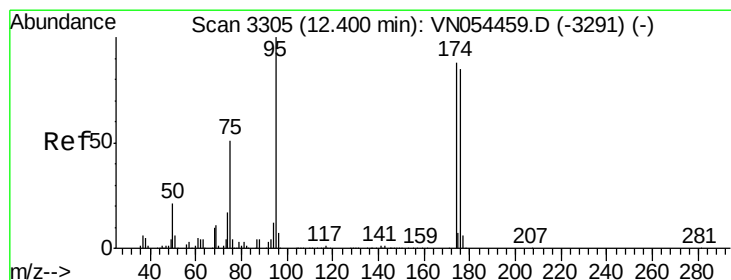
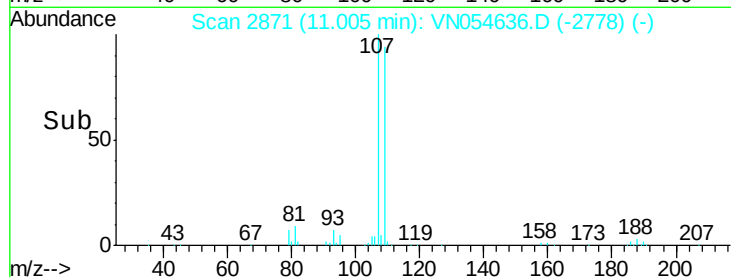
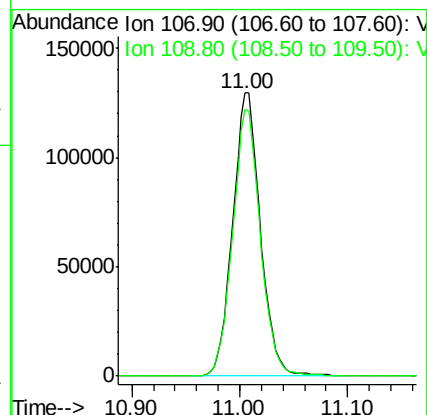
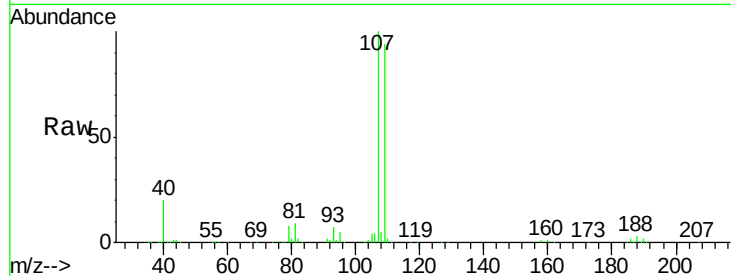




#61
 1,2-Dibromoethane
 Concen: 53.466 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

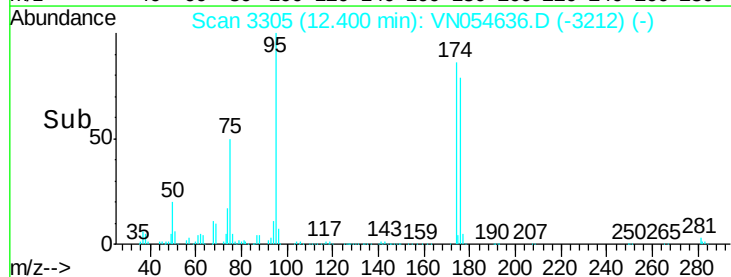
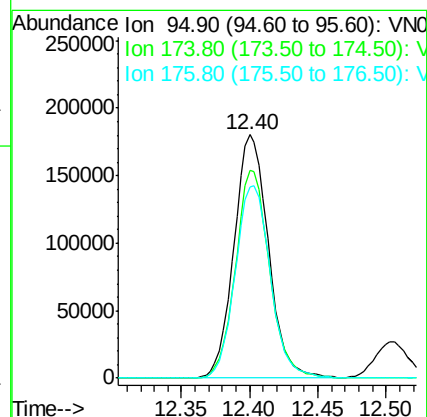
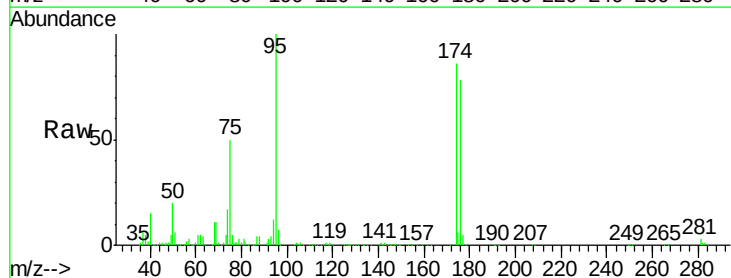
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

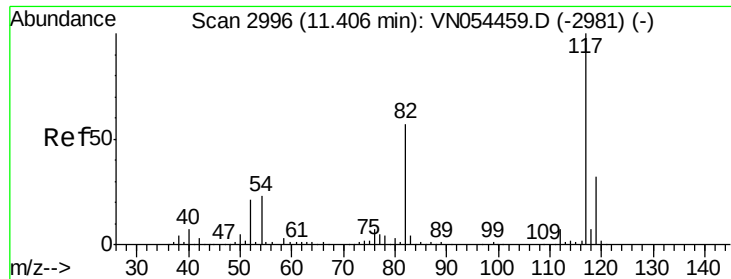
Tot Ion: 107 Resp: 232612
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 51.296 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

Tgt Ion: 95 Resp: 314732
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 191.0
 176 81.0 0.0 187.4

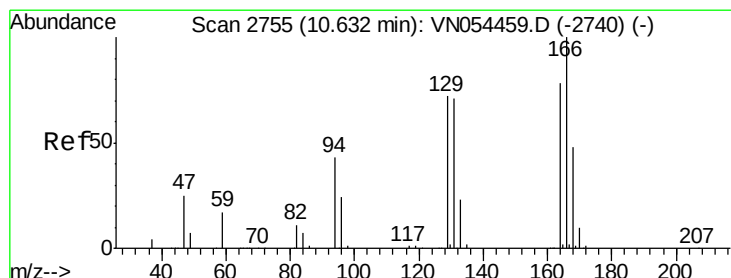
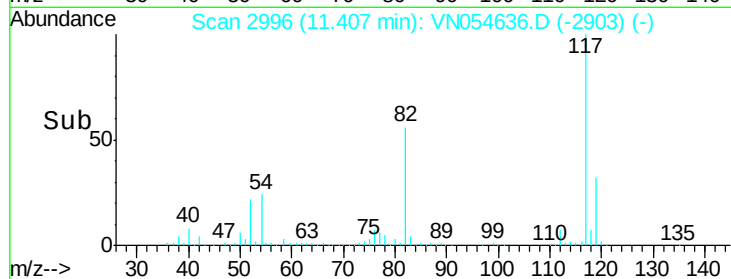
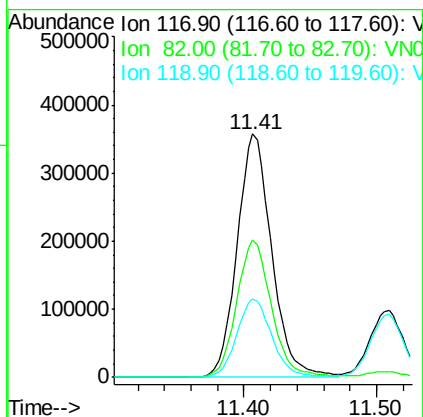
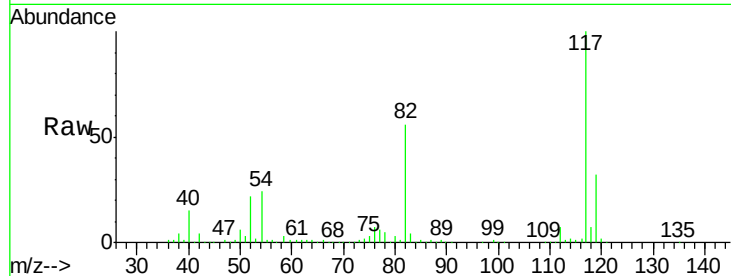




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

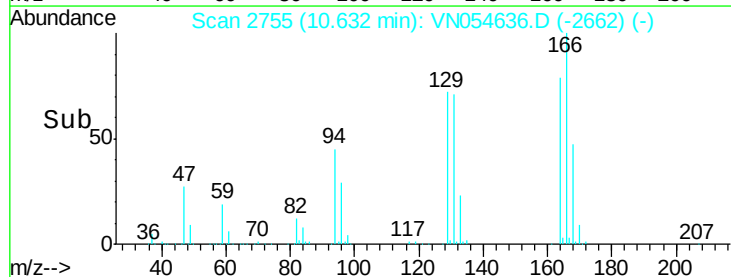
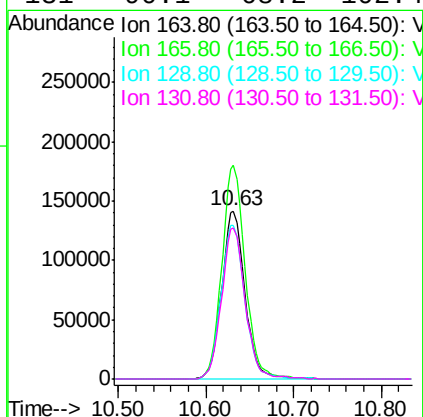
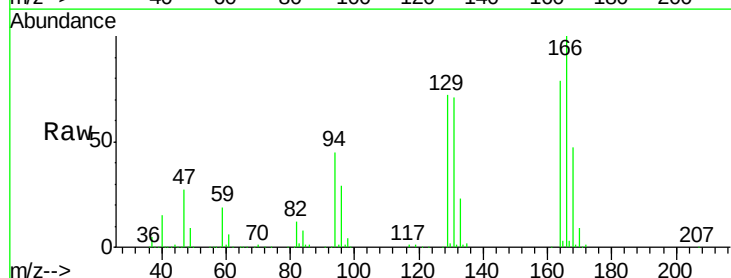
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

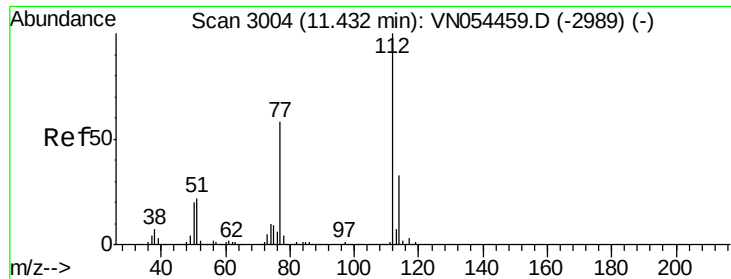
Tot Ion:117 Resp: 649276
Ion Ratio Lower Upper
117 100
82 56.3 40.0 60.0
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 48.842 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Tgt Ion:164 Resp: 263037
Ion Ratio Lower Upper
164 100
166 127.0 103.9 155.9
129 91.1 71.1 106.7
131 90.1 68.2 102.4





#65

Chlorobenzene

Concen: 49.783 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

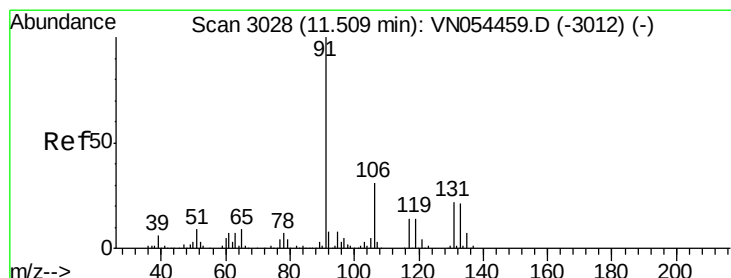
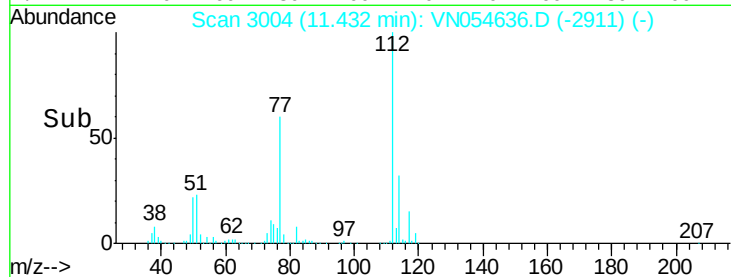
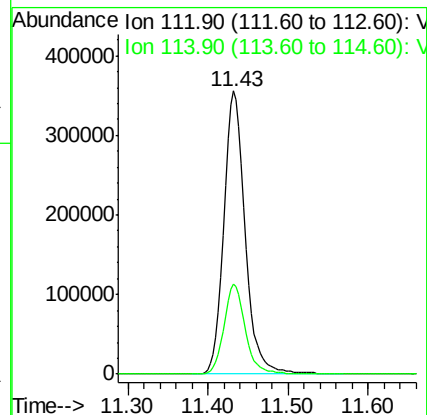
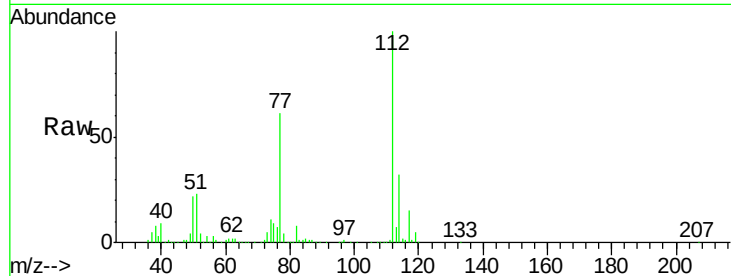
VSTDCCC050EC

Tot Ion:112 Resp: 657403

Ion Ratio Lower Upper

112 100

114 31.7 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 51.340 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

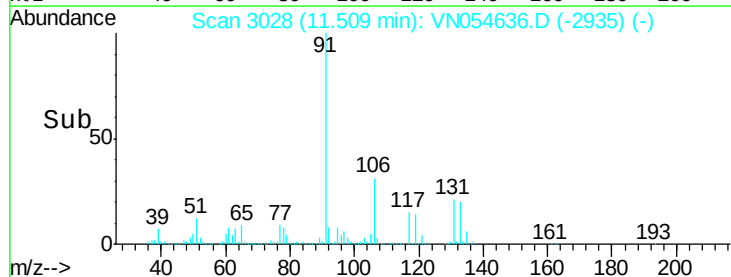
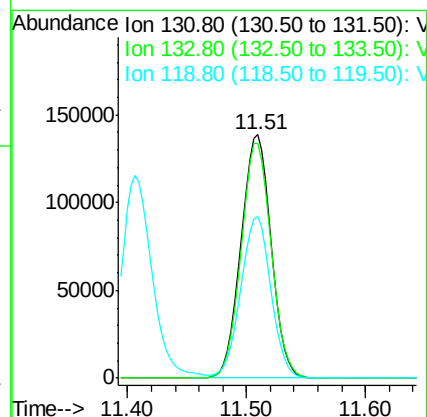
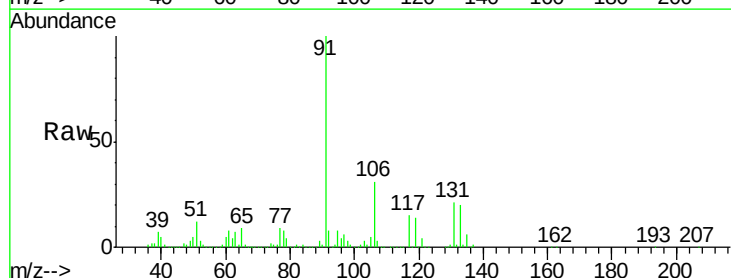
Tgt Ion:131 Resp: 243345

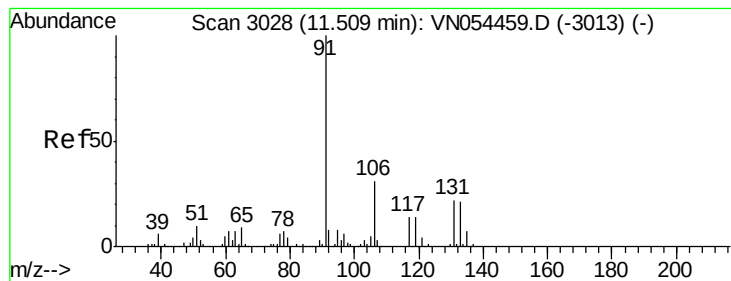
Ion Ratio Lower Upper

131 100

133 96.3 47.6 142.9

119 66.3 32.4 97.0





#67

Ethyl Benzene

Concen: 50.266 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

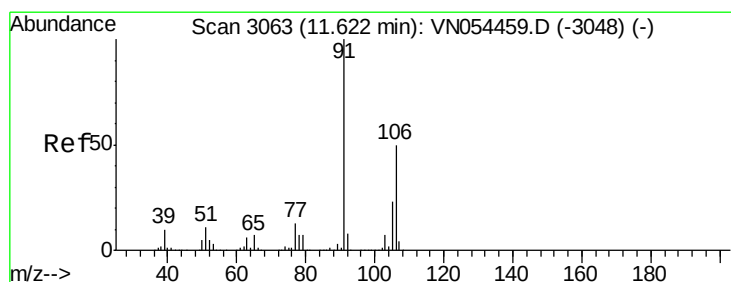
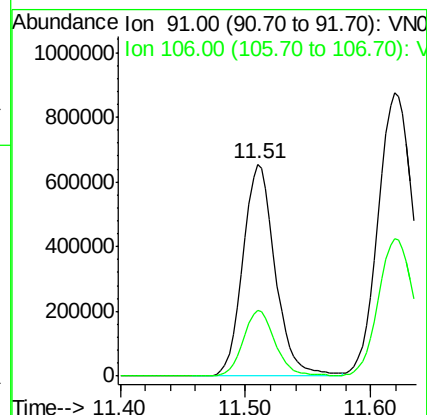
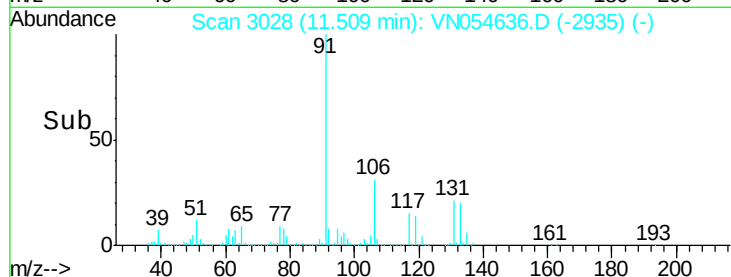
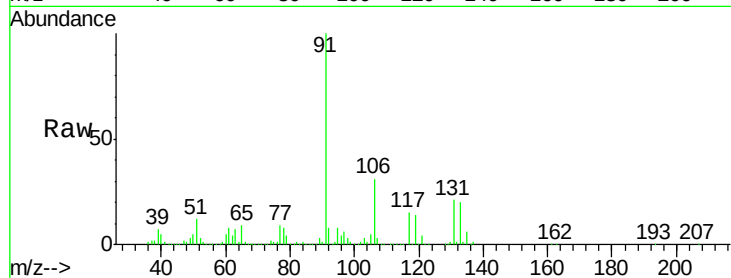
VSTDCCC050EC

Tot Ion: 91 Resp: 1172531

Ion Ratio Lower Upper

91 100

106 31.0 25.5 38.3



#68

m/p-Xylenes

Concen: 98.408 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054636.D

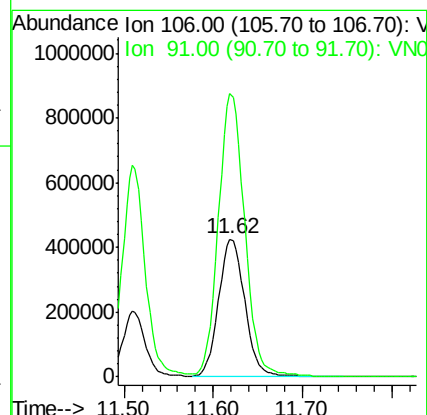
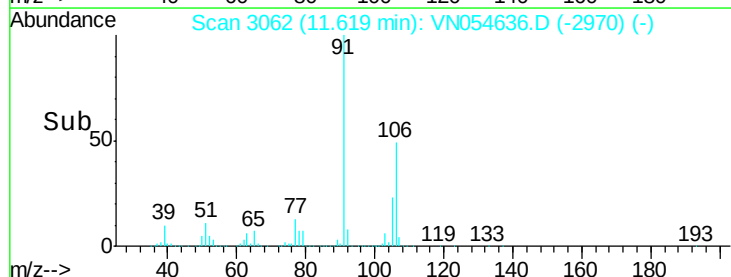
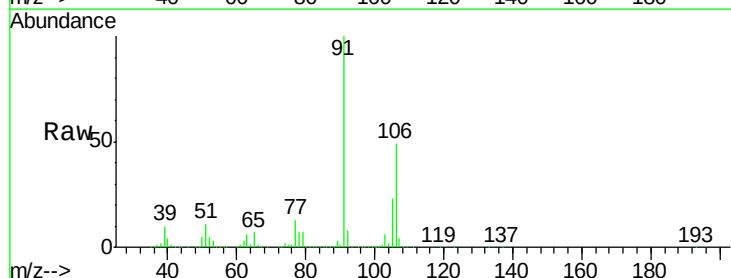
Acq: 24 Mar 2019 6:38

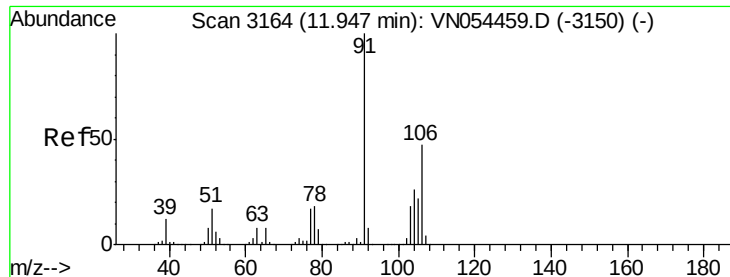
Tgt Ion: 106 Resp: 869493

Ion Ratio Lower Upper

106 100

91 206.7 159.4 239.2

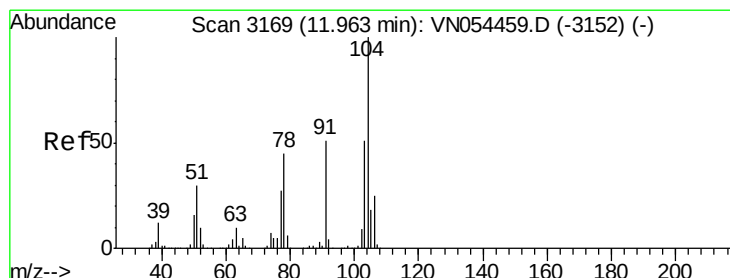
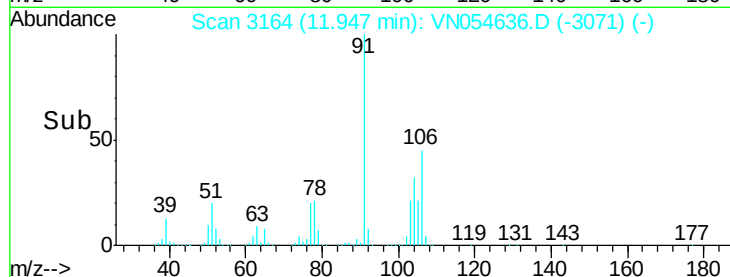
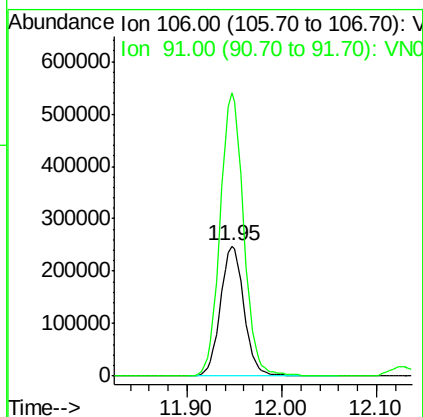
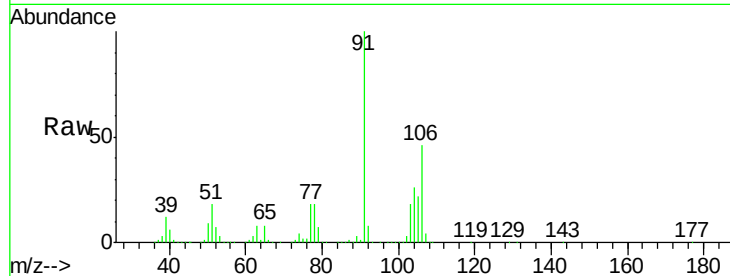




#69
o-Xylene
Concen: 49.929 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

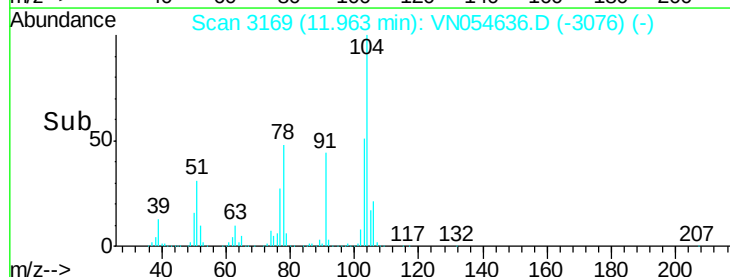
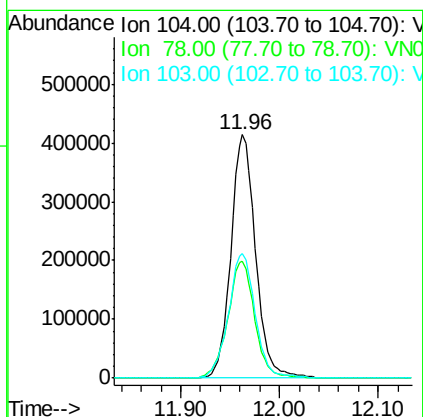
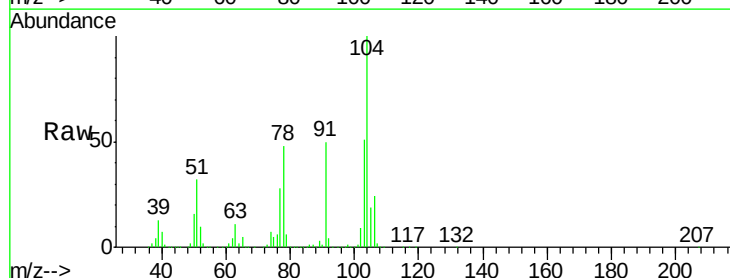
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

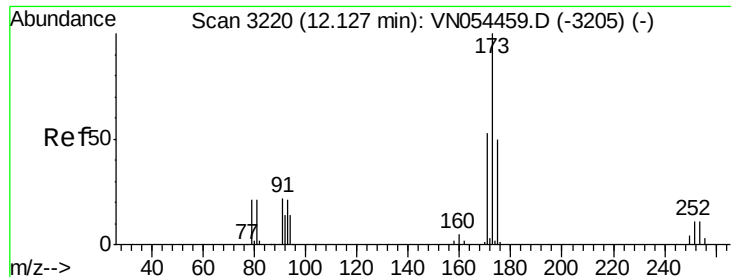
Tot Ion:106 Resp: 430828
Ion Ratio Lower Upper
106 100
91 216.1 105.7 317.1



#70
Styrene
Concen: 51.710 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Tgt Ion:104 Resp: 724588
Ion Ratio Lower Upper
104 100
78 52.5 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 46.027 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

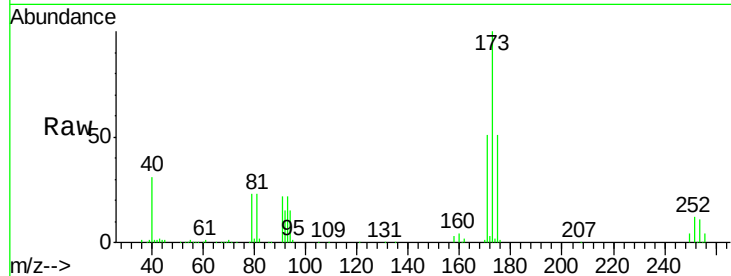
Tot Ion:173 Resp: 149804

Ion Ratio Lower Upper

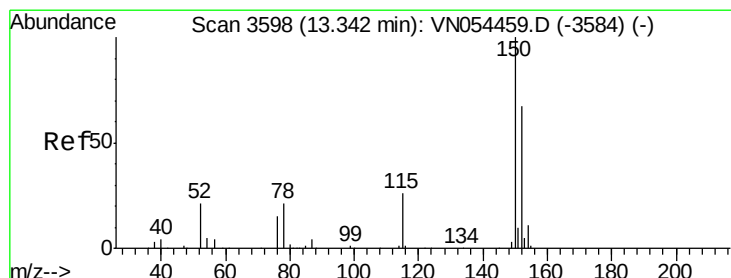
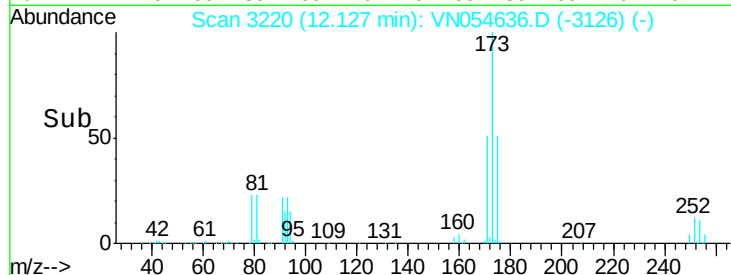
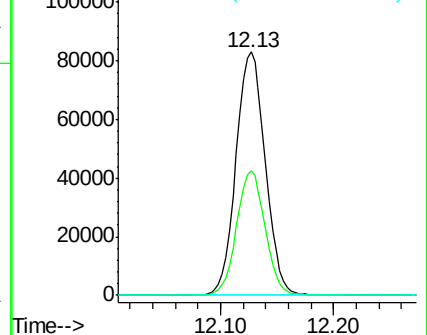
173 100

175 49.7 24.4 73.2

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

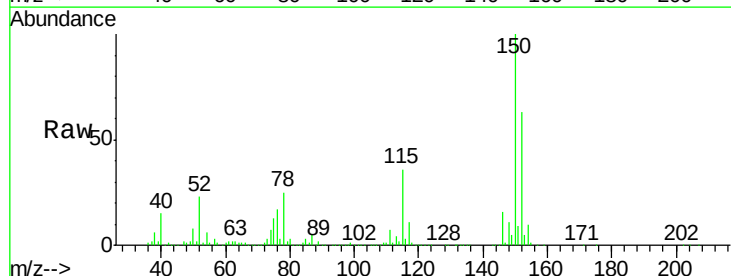
Tgt Ion:152 Resp: 292751

Ion Ratio Lower Upper

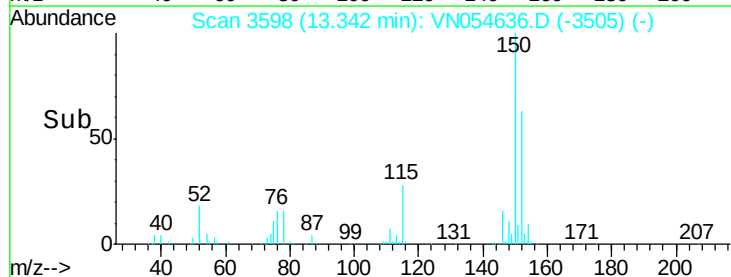
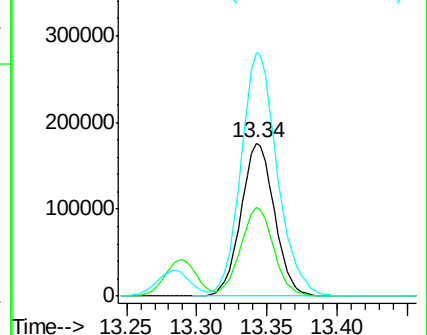
152 100

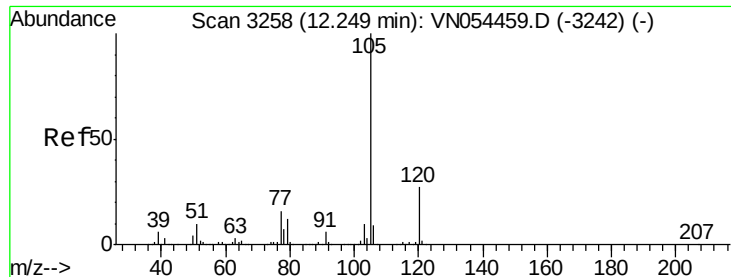
115 57.0 27.2 81.6

150 172.6 0.0 349.2



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





#73

Isopropylbenzene

Concen: 47.578 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

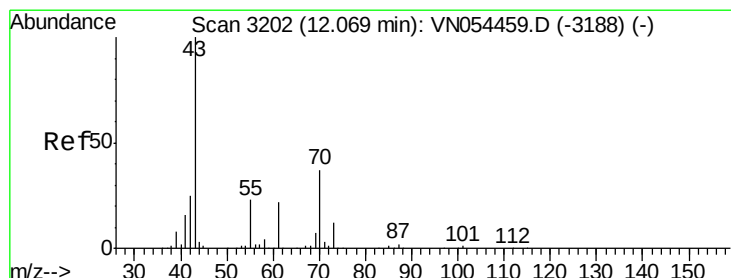
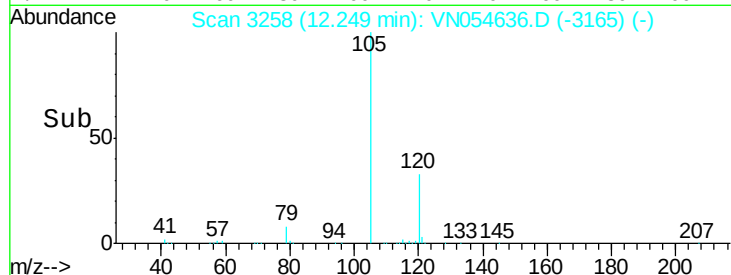
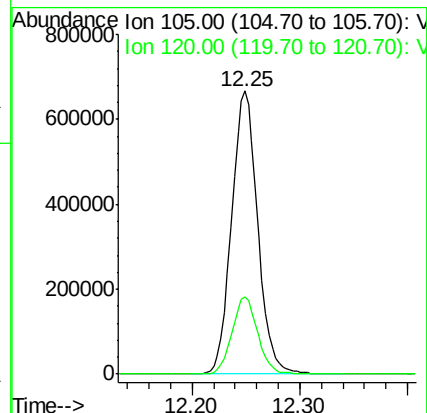
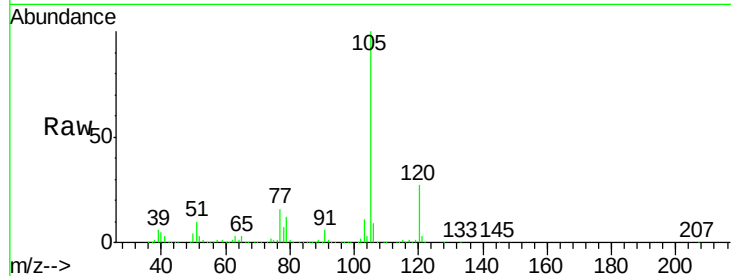
VSTDCCC050EC

Tot Ion:105 Resp: 1122379

Ion Ratio Lower Upper

105 100

120 26.8 13.8 41.3



#74

N-ethyl acetate

Concen: 62.172 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Tgt Ion: 43 Resp: 421721

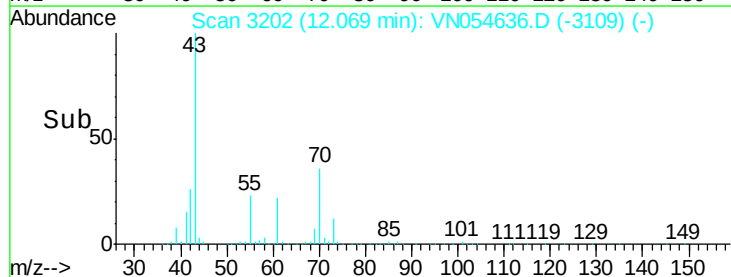
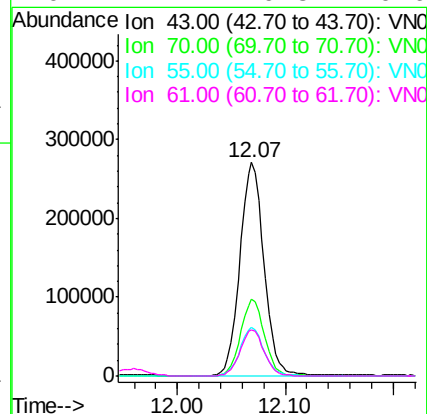
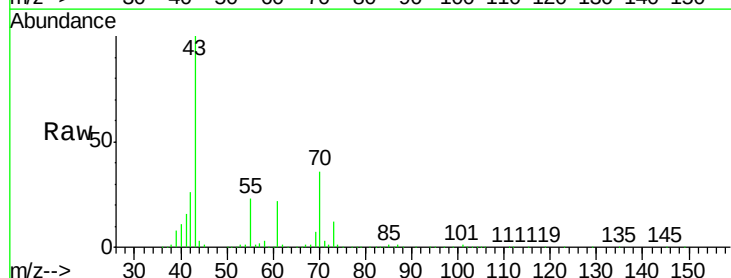
Ion Ratio Lower Upper

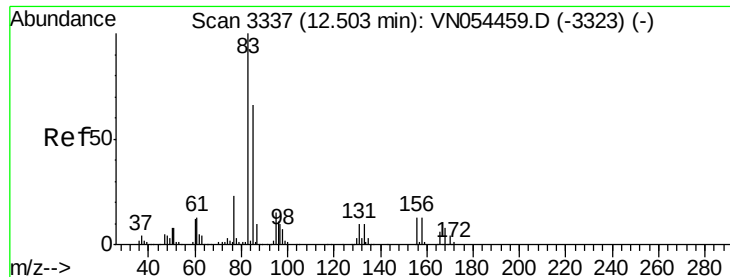
43 100

70 36.0 35.4 53.0

55 22.5 19.8 29.6

61 21.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.438 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

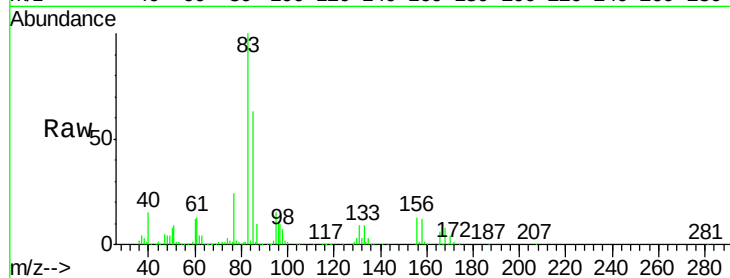
Tot Ion: 83 Resp: 298541

Ion Ratio Lower Upper

83 100

131 10.4 5.8 17.4

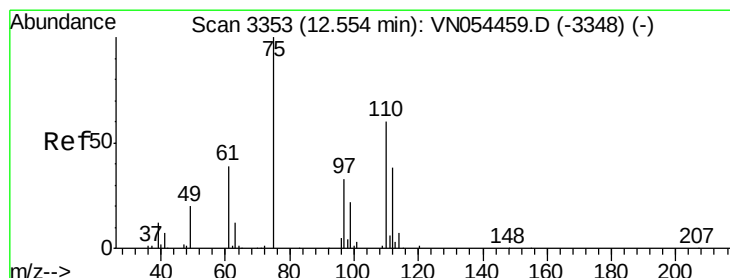
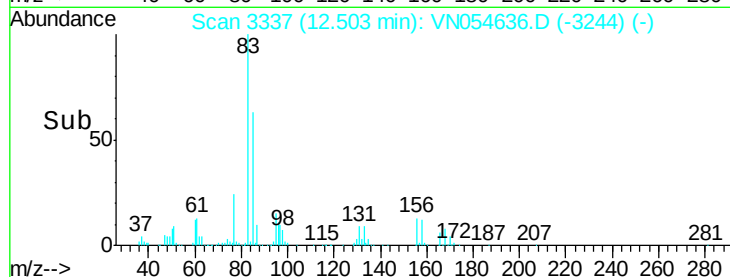
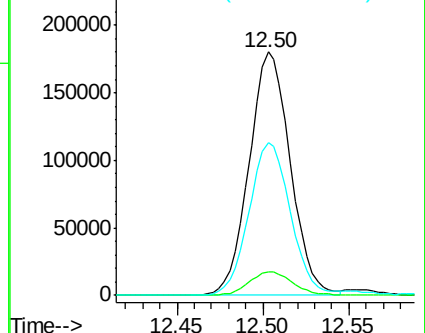
85 63.4 32.2 96.6



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

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

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



#76

1,2,3-Trichloropropane

Concen: 74.253 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054636.D

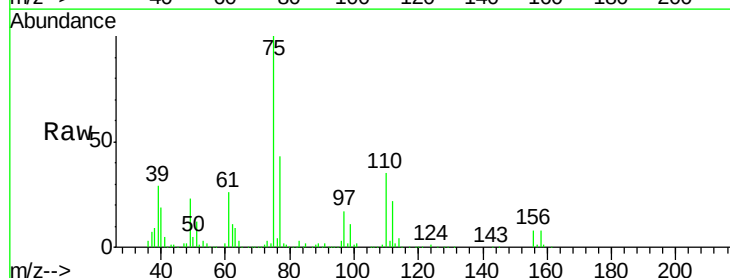
Acq: 24 Mar 2019 6:38

Tgt Ion: 75 Resp: 344944

Ion Ratio Lower Upper

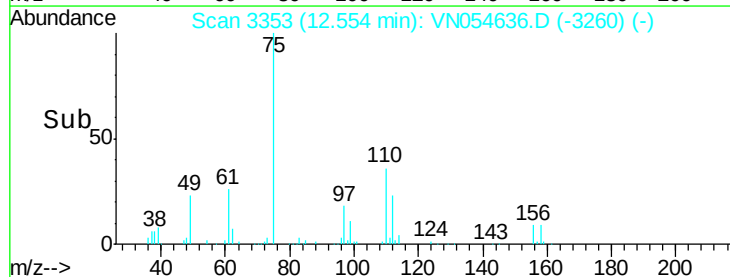
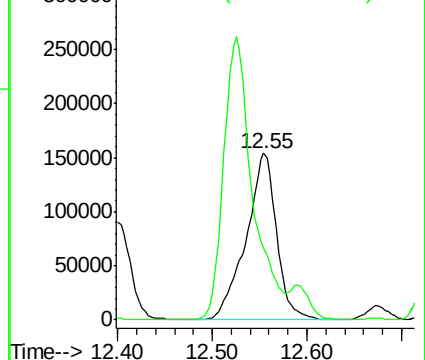
75 100

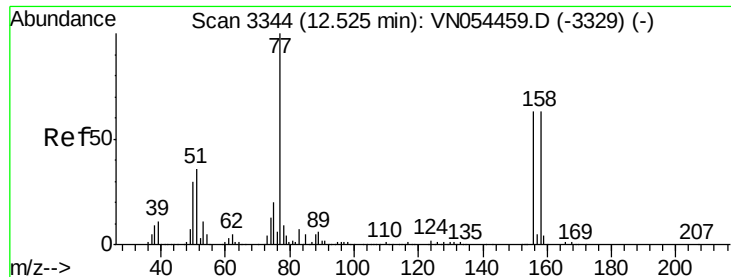
77 0.0 0.0 0.0



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

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





#77

Bromobenzene

Concen: 49.455 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

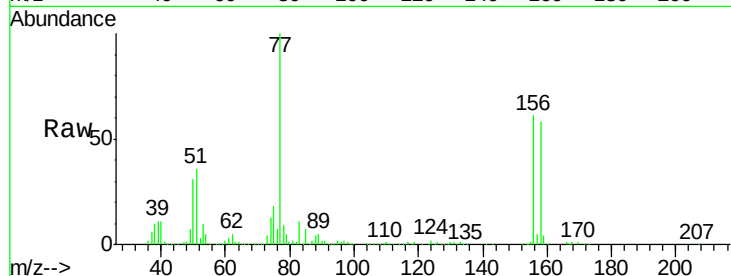
Tot Ion:156 Resp: 289348

Ion Ratio Lower Upper

156 100

77 192.1 81.5 244.4

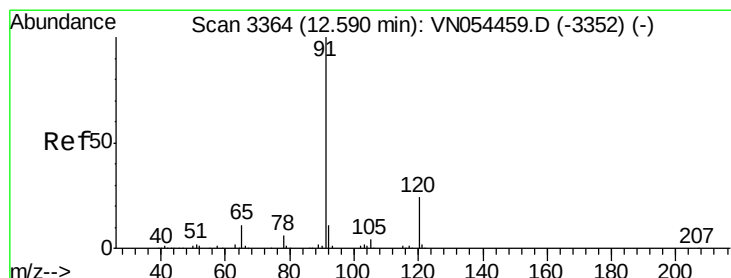
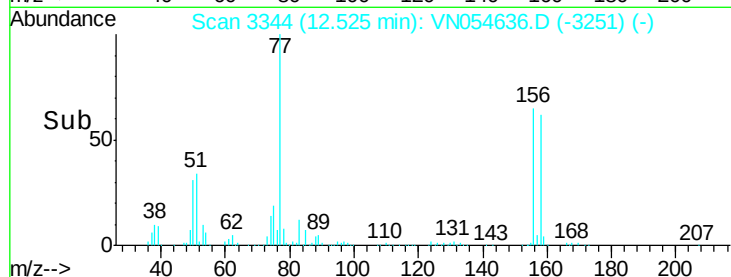
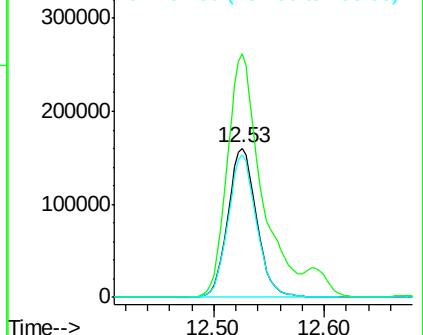
158 94.8 49.0 147.2



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: 48.370 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054636.D

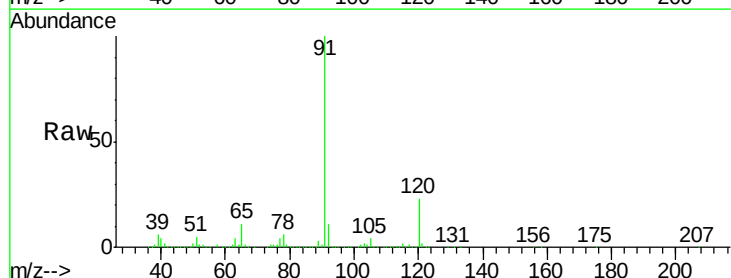
Acq: 24 Mar 2019 6:38

Tgt Ion: 91 Resp: 1237336

Ion Ratio Lower Upper

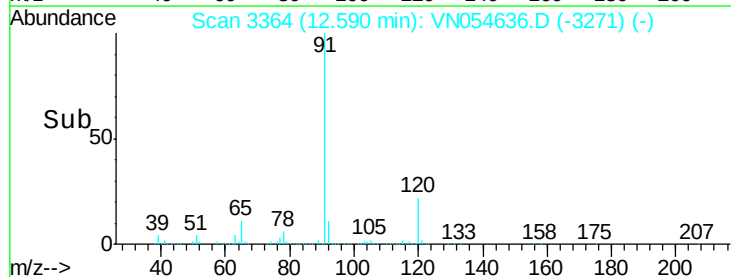
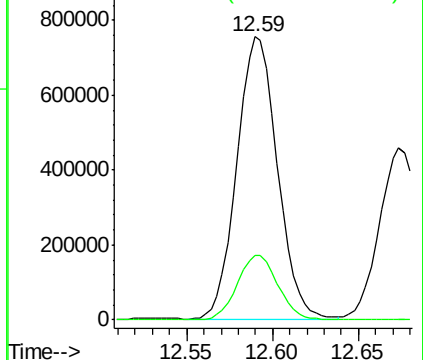
91 100

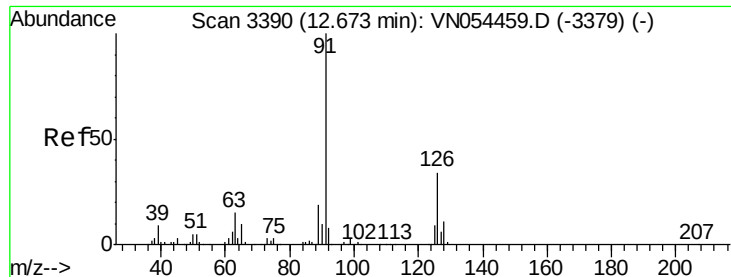
120 22.9 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.186 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

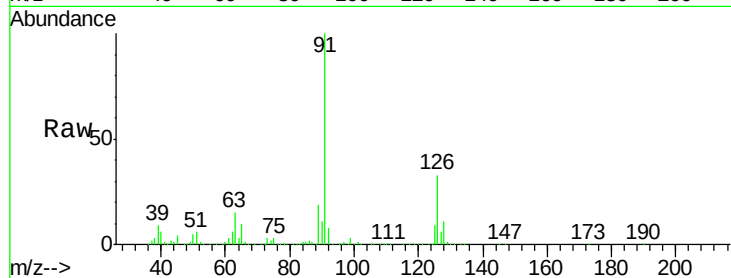
VSTDCCC050EC

Tot Ion: 91 Resp: 768662

Ion Ratio Lower Upper

91 100

126 34.0 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) (-)

12.67

400000

300000

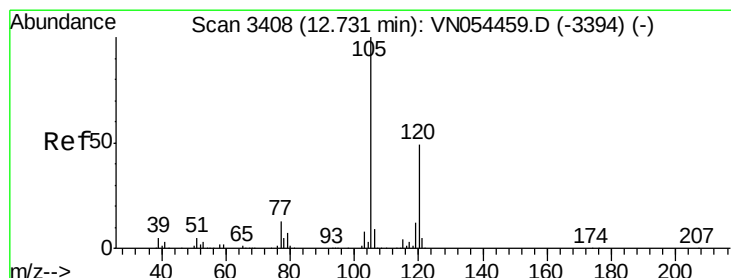
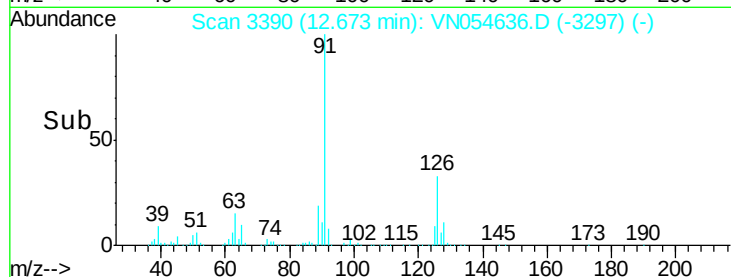
200000

100000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.112 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054636.D

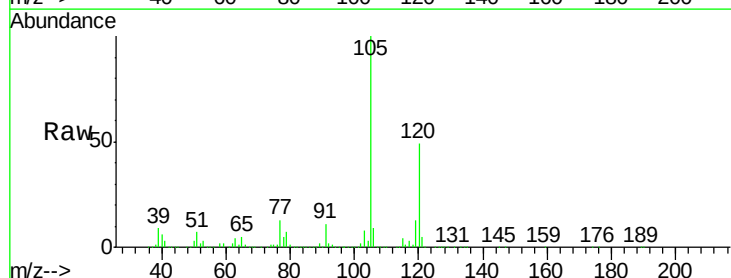
Acq: 24 Mar 2019 6:38

Tgt Ion: 105 Resp: 930219

Ion Ratio Lower Upper

105 100

120 48.9 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

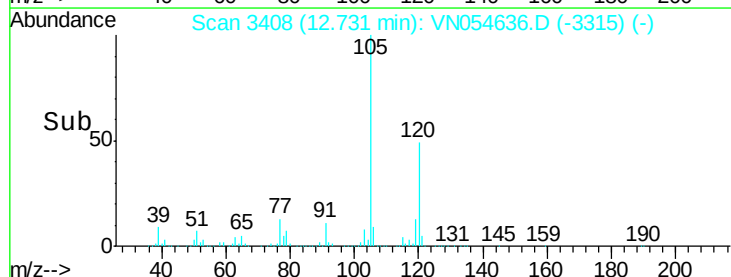
400000

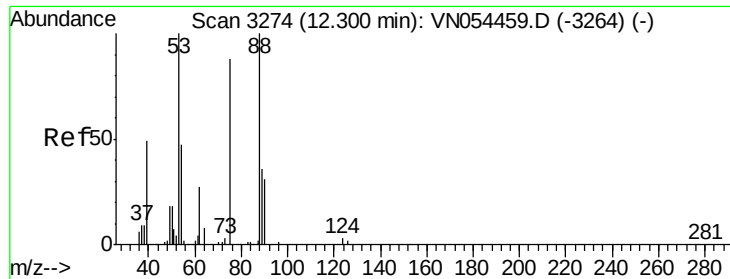
200000

0

12.70 12.80

Time-->

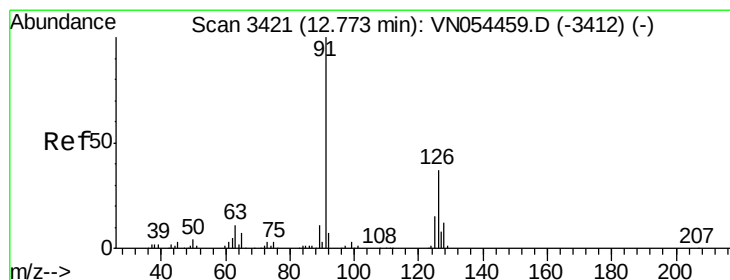
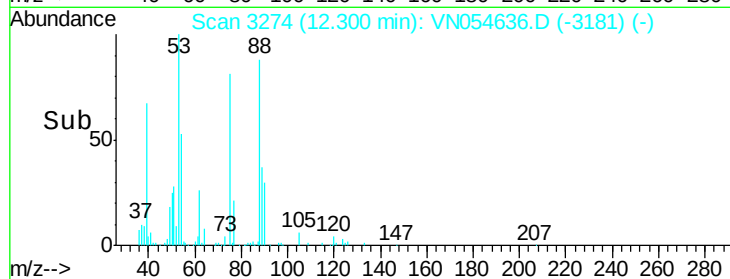
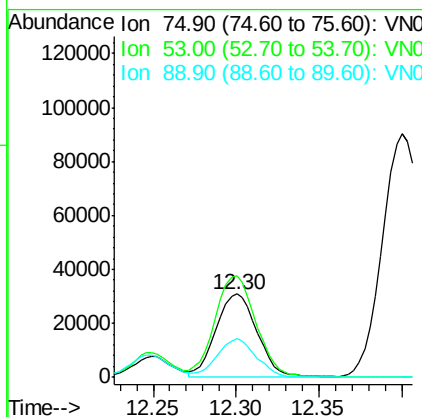
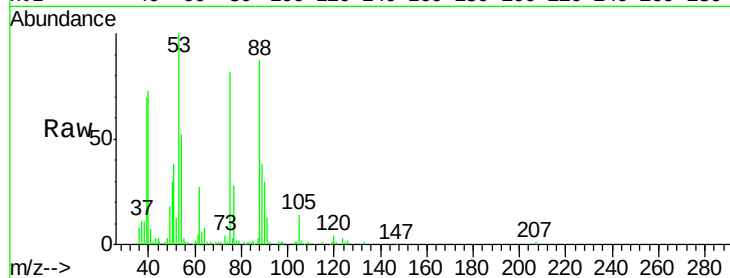




#81
trans-1,4-Dichloro-2-butene
Concen: 39.312 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

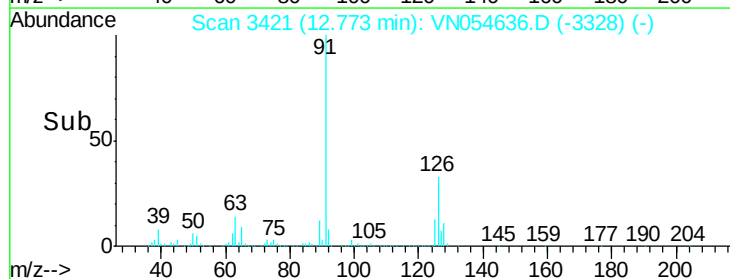
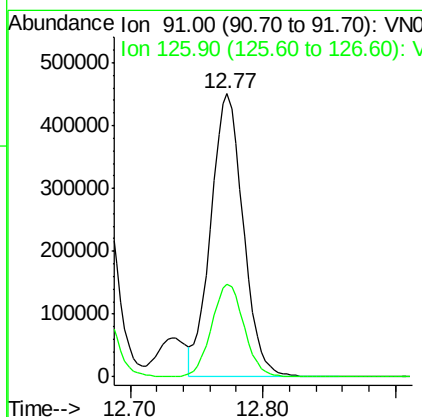
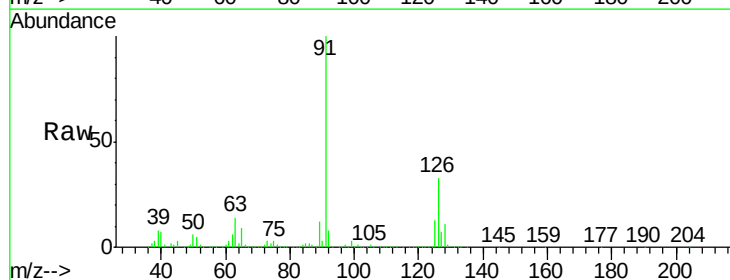
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

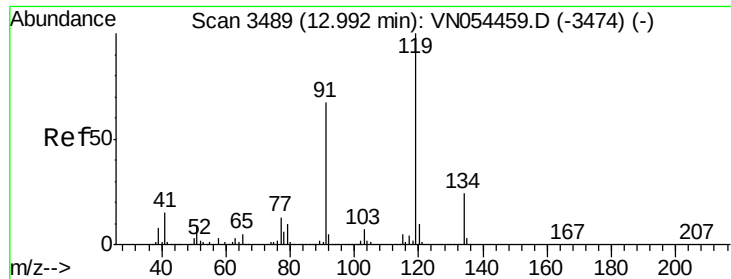
Tot Ion: 75 Resp: 51999
Ion Ratio Lower Upper
75 100
53 126.0 76.2 114.2#
89 43.8 39.2 58.8



#82
4-Chlorotoluene
Concen: 49.346 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054636.D
Acq: 24 Mar 2019 6:38

Tgt Ion: 91 Resp: 763006
Ion Ratio Lower Upper
91 100
126 33.0 18.1 54.1

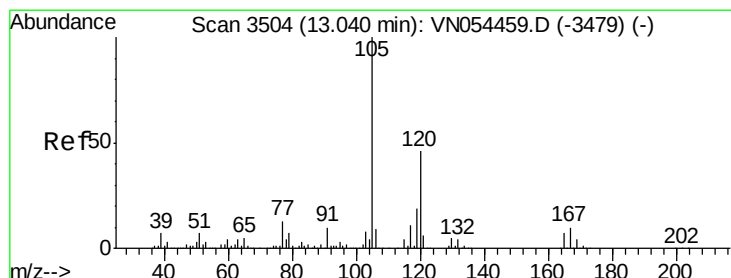
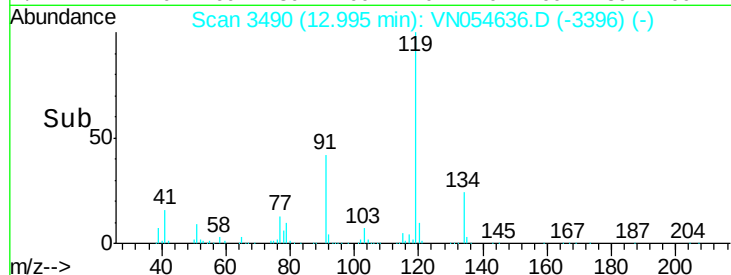
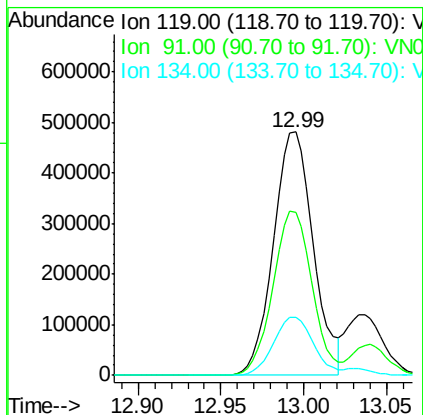
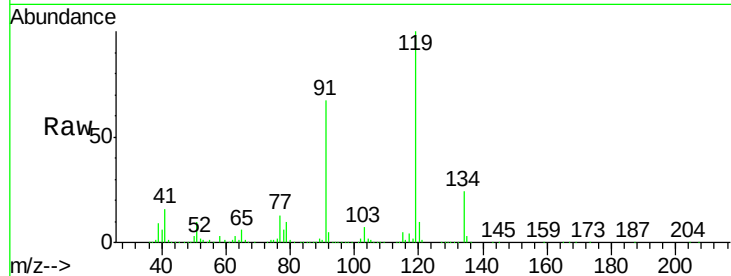




#83
 tert-Butylbenzene
 Concen: 48.056 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

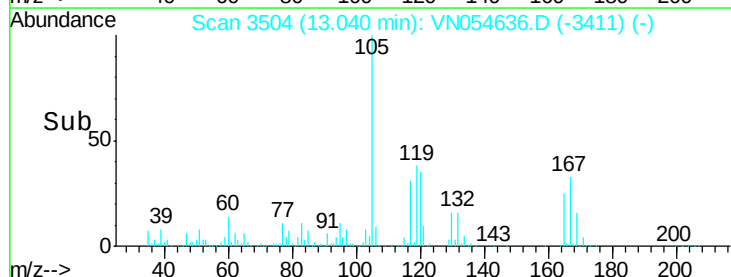
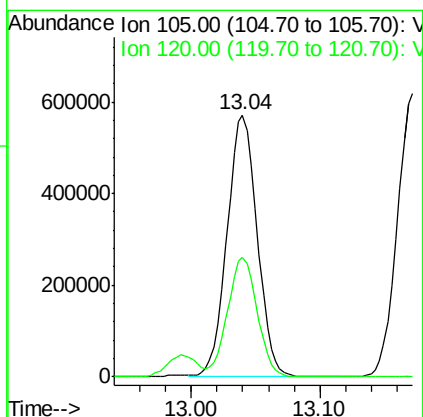
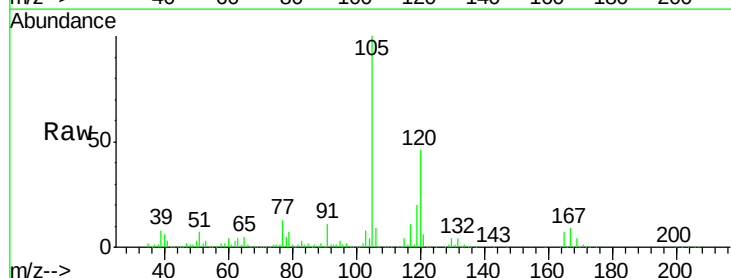
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

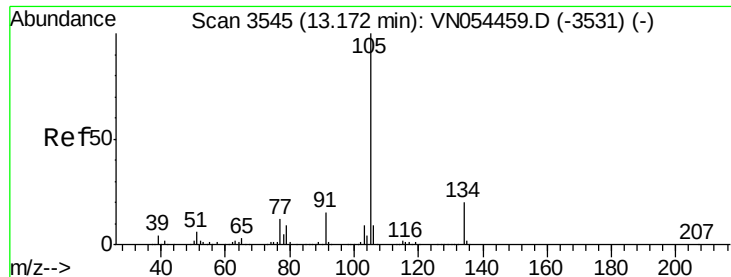
Tot Ion:119 Resp: 808761
 Ion Ratio Lower Upper
 119 100
 91 65.8 30.9 92.8
 134 24.2 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 48.601 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

Tgt Ion:105 Resp: 922022
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.4 70.3





#85

sec-Butylbenzene

Concen: 47.895 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampled :

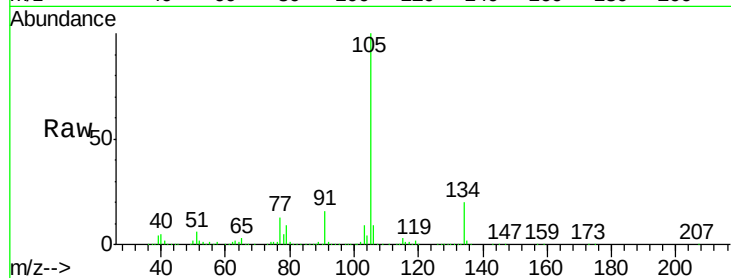
VSTDCCC050EC

Tot Ion:105 Resp: 1004816

Ion Ratio Lower Upper

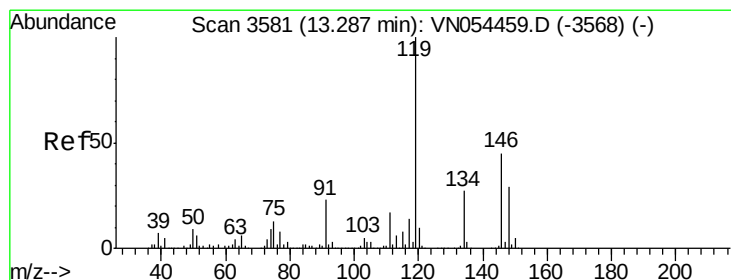
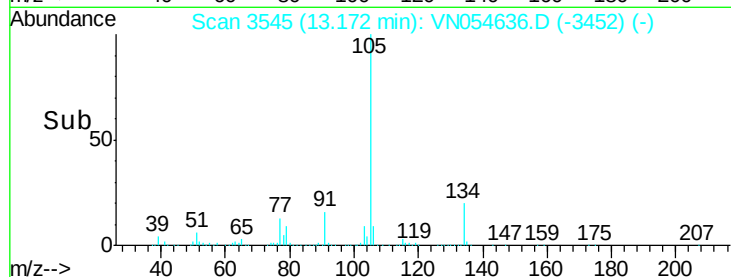
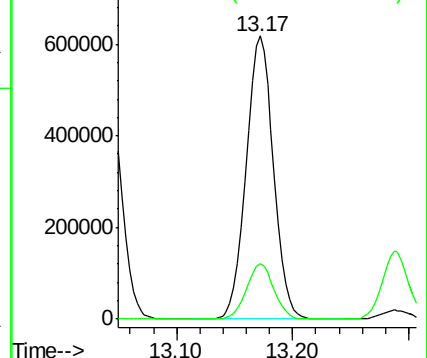
105 100

134 19.8 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: 47.390 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

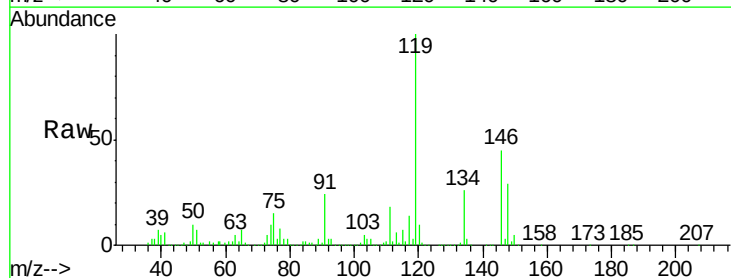
Tgt Ion:119 Resp: 889476

Ion Ratio Lower Upper

119 100

134 26.2 13.6 40.8

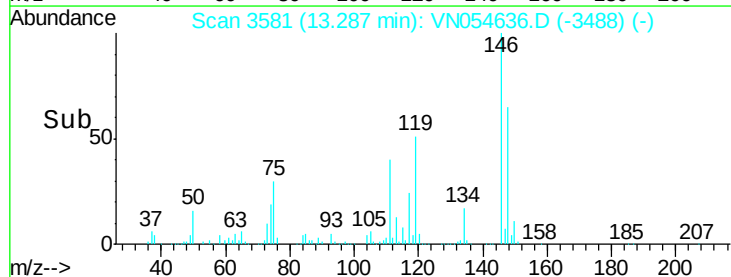
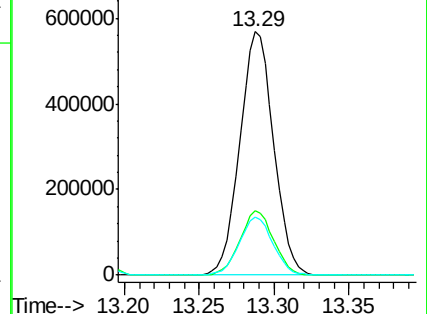
91 23.8 11.1 33.3

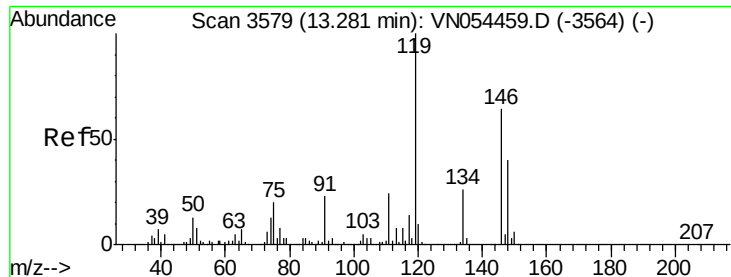


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

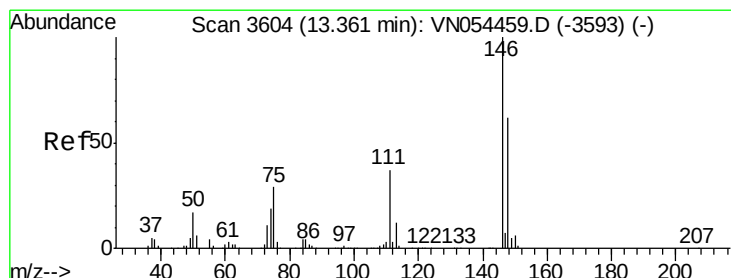
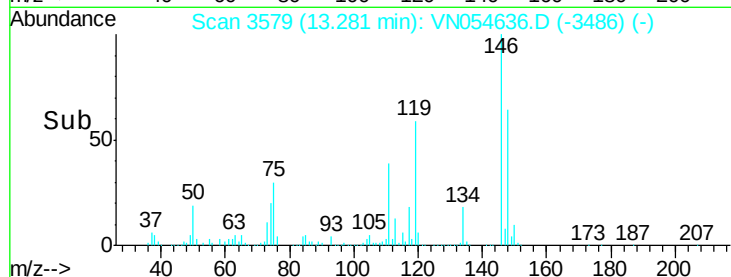
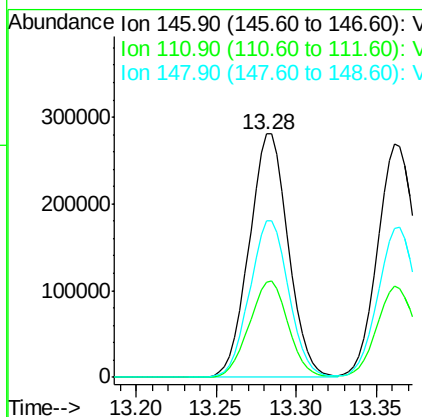
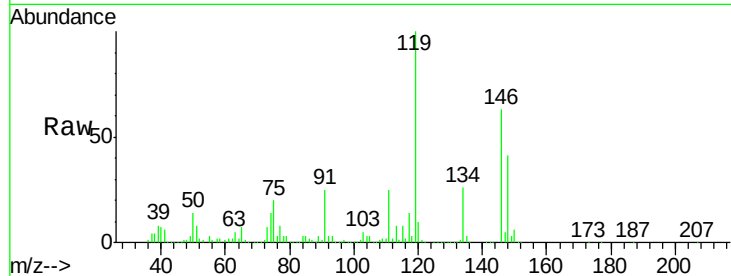




#87
 1,3-Dichlorobenzene
 Concen: 48.716 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

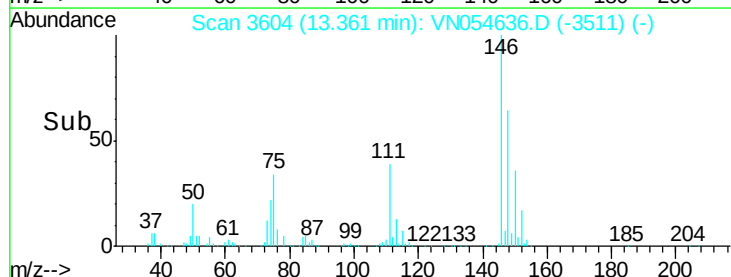
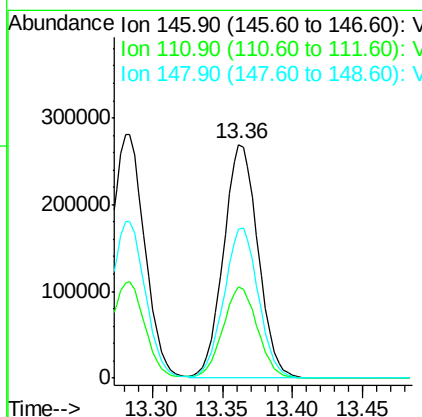
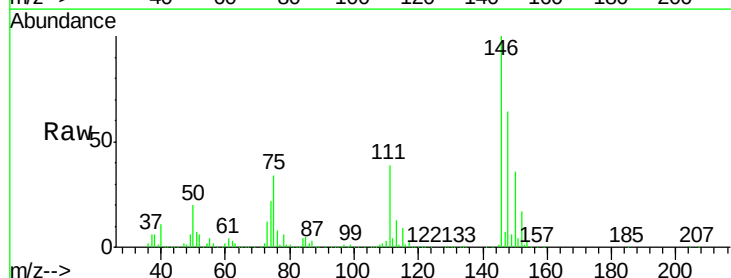
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

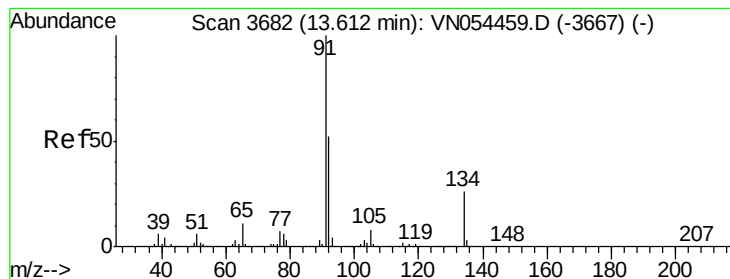
Tot Ion:146 Resp: 472333
 Ion Ratio Lower Upper
 146 100
 111 39.7 18.8 56.3
 148 64.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 48.623 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

Tgt Ion:146 Resp: 458690
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.1 54.1
 148 64.5 32.0 96.0





#89

n-Butylbenzene

Concen: 48.224 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

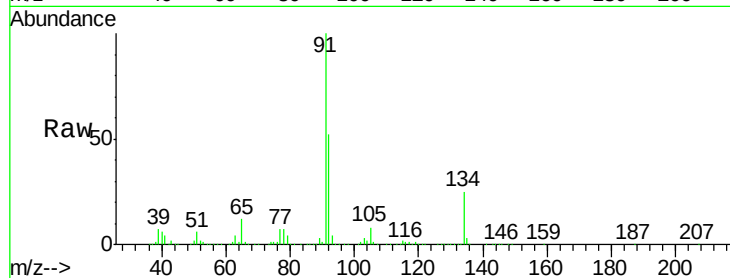
Tot Ion: 91 Resp: 707755

Ion Ratio Lower Upper

91 100

92 52.2 26.2 78.6

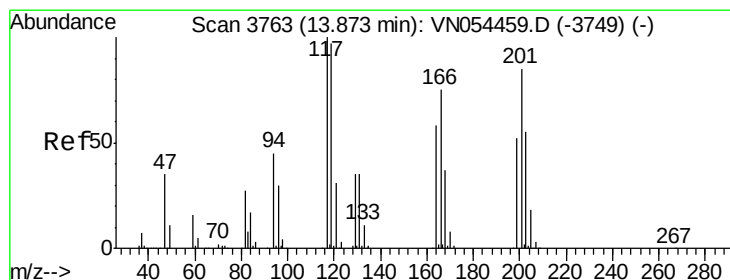
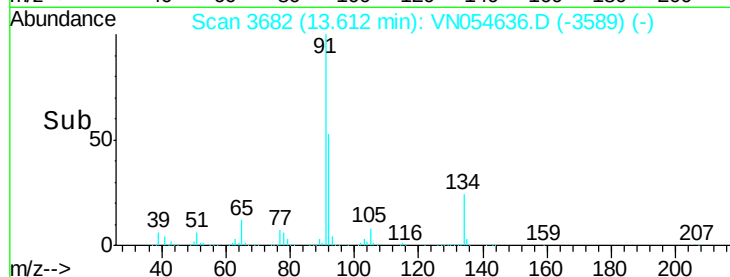
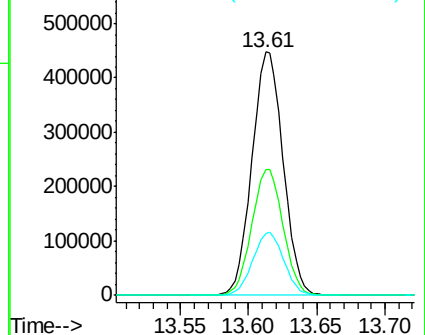
134 25.8 14.3 42.9



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

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

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



#90

Hexachloroethane

Concen: 47.988 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054636.D

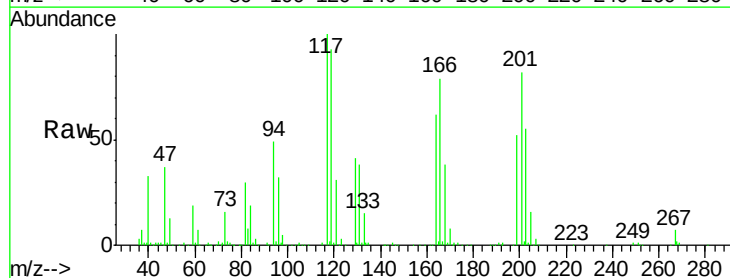
Acq: 24 Mar 2019 6:38

Tgt Ion: 117 Resp: 139810

Ion Ratio Lower Upper

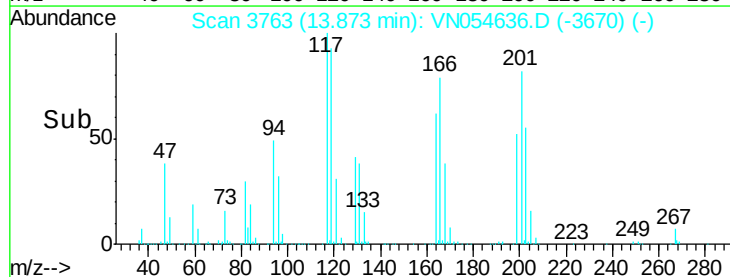
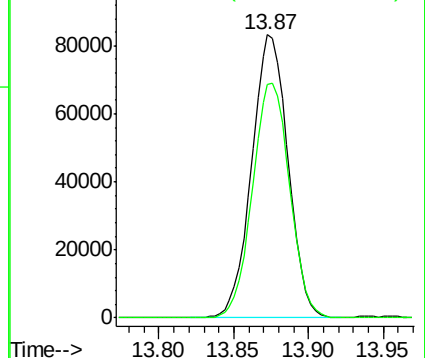
117 100

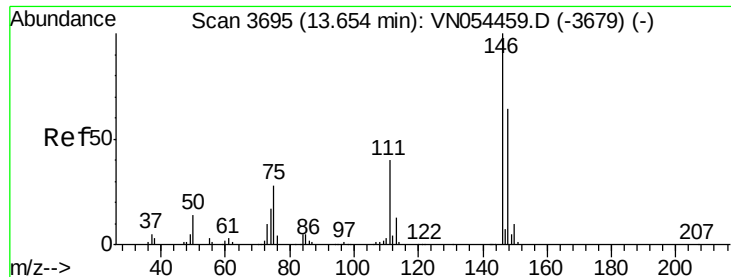
201 85.4 48.1 144.4



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

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

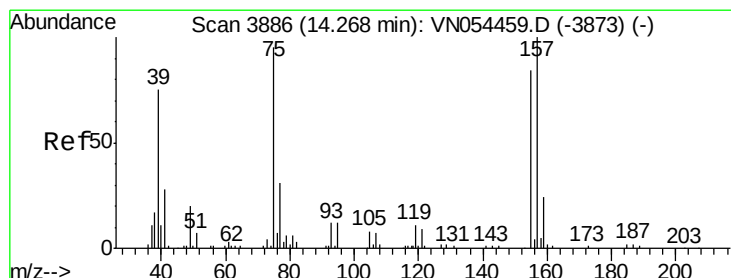
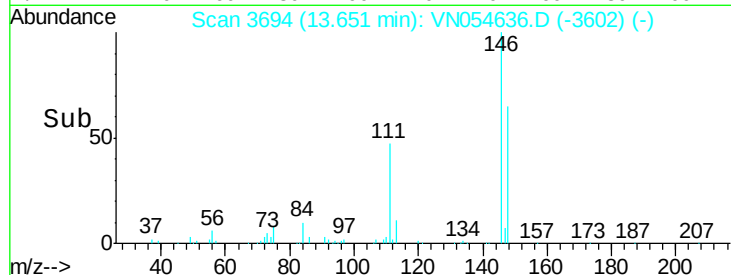
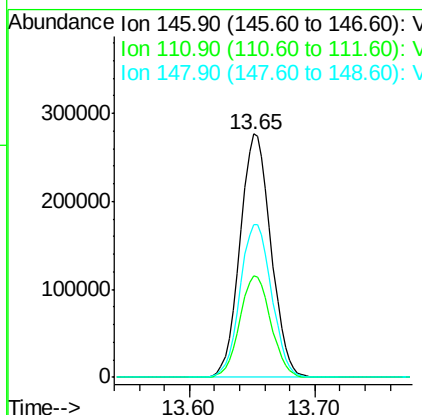
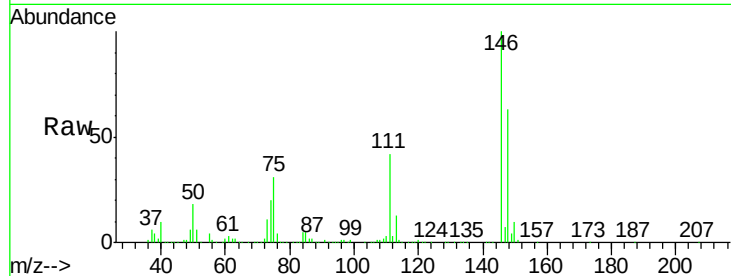




#91
 1,2-Dichlorobenzene
 Concen: 50.359 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

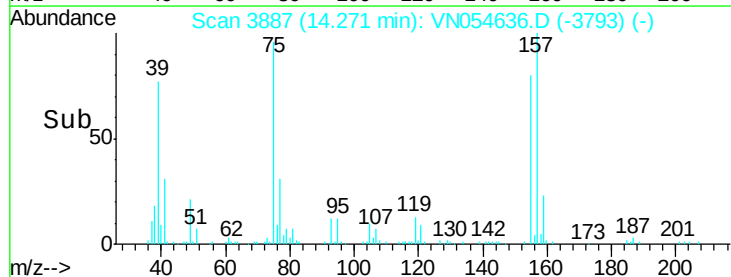
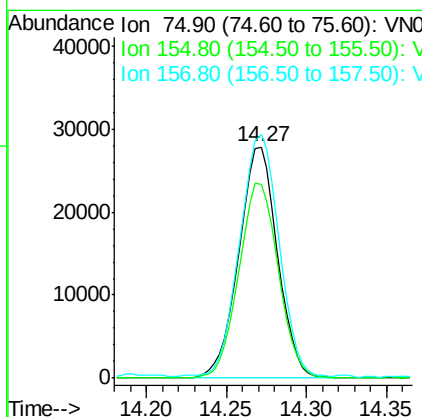
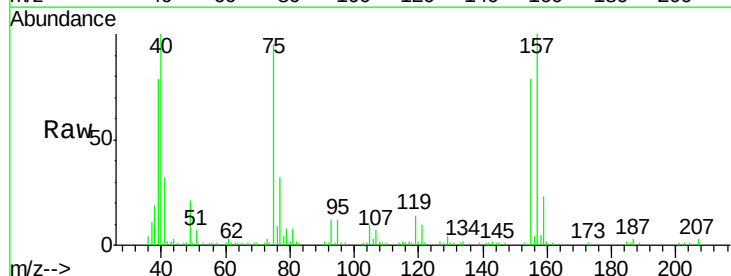
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

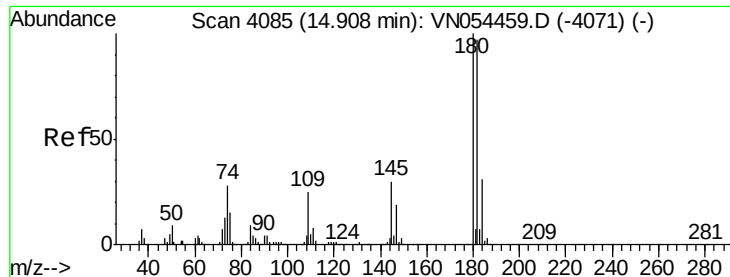
Tot Ion:146 Resp: 472925
 Ion Ratio Lower Upper
 146 100
 111 42.0 19.1 57.3
 148 64.1 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.922 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054636.D
 Acq: 24 Mar 2019 6:38

Tgt Ion: 75 Resp: 45751
 Ion Ratio Lower Upper
 75 100
 155 86.0 50.1 150.3
 157 105.9 63.1 189.3





#93

1,2,4-Trichlorobenzene

Concen: 51.644 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

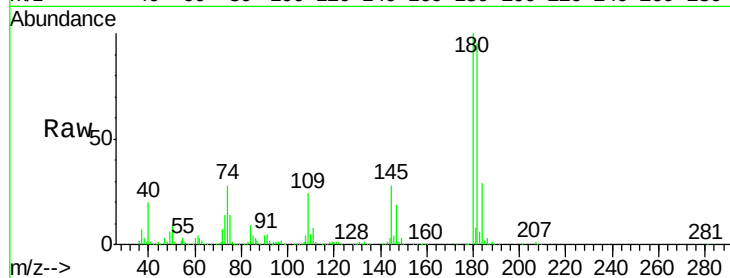
Tot Ion:180 Resp: 241774

Ion Ratio Lower Upper

180 100

182 95.3 48.0 144.2

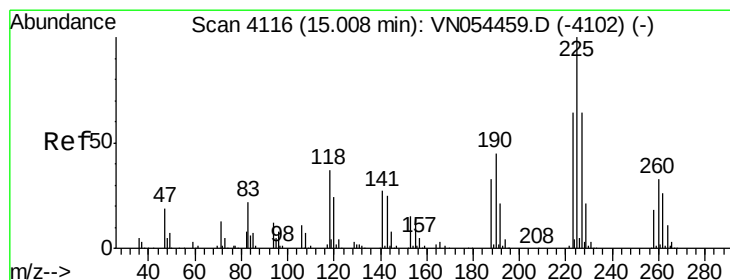
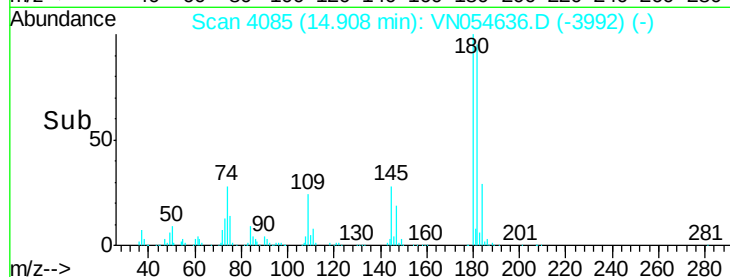
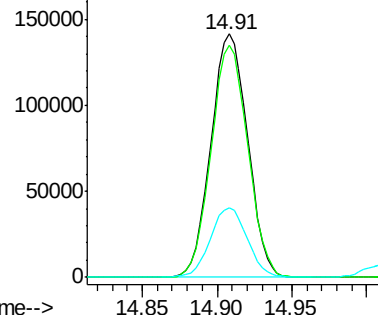
145 28.4 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 51.866 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

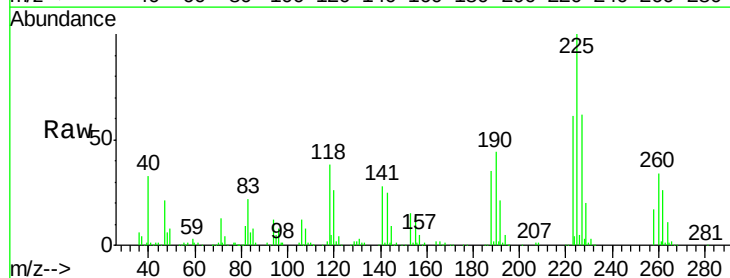
Tgt Ion:225 Resp: 136180

Ion Ratio Lower Upper

225 100

223 60.6 31.1 93.5

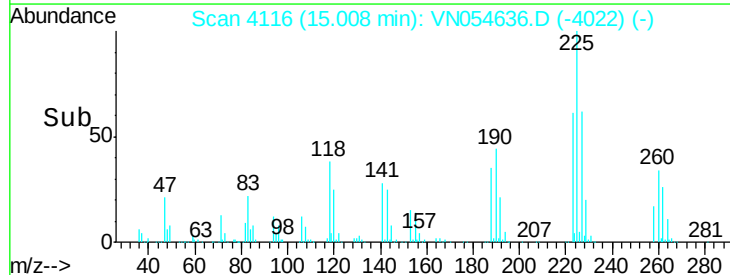
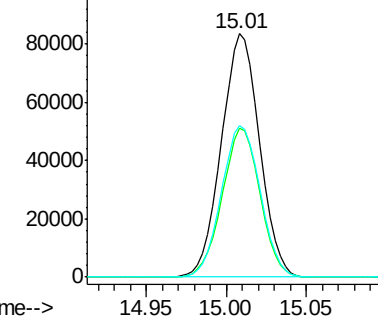
227 63.3 31.9 95.9

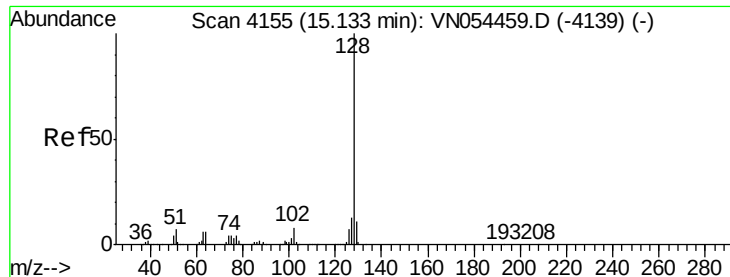


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 56.752 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

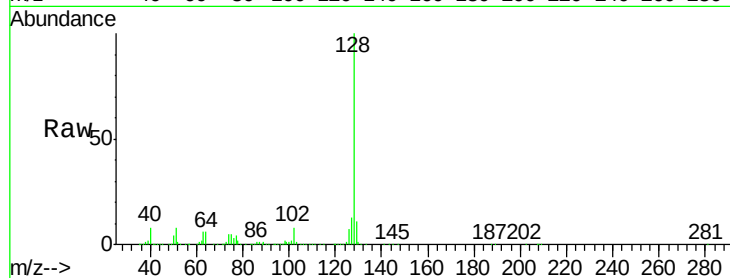
Tot Ion:128 Resp: 592620

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

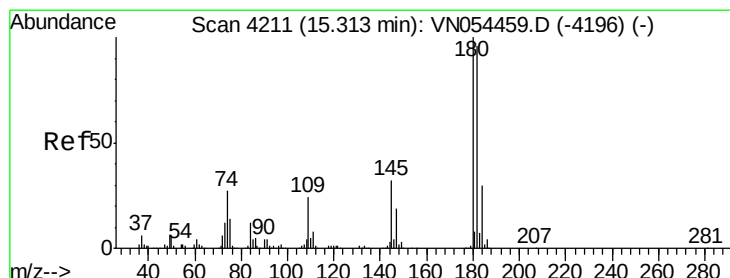
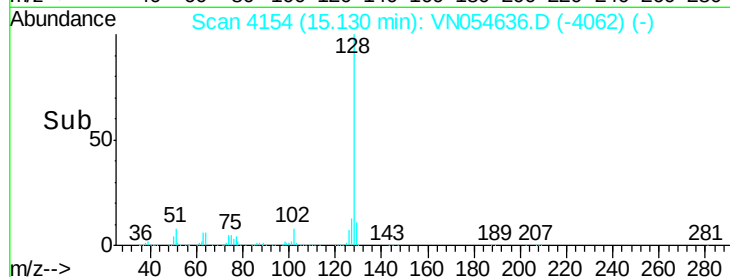
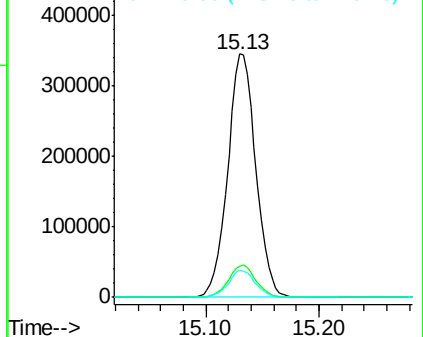
129 10.7 8.7 13.1



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: 53.508 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054636.D

Acq: 24 Mar 2019 6:38

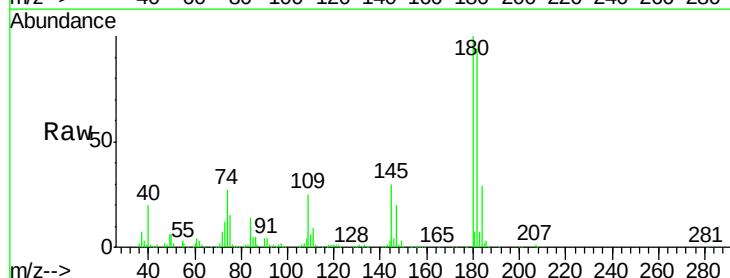
Tgt Ion:180 Resp: 249314

Ion Ratio Lower Upper

180 100

182 94.1 47.5 142.6

145 30.0 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

