

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\
 Data File : VN053506.D
 Acq On : 21 Jan 2019 15:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 22 04:06:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	763143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1116365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1000926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	508189	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	362578	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
35) Dibromofluoromethane	7.59	113	331346	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
50) Toluene-d8	10.09	98	1351739	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.40	95	471381	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	284820	46.420	ug/l	100
3) Chloromethane	2.06	50	371563	42.355	ug/l	100
4) Vinyl Chloride	2.19	62	382528	45.236	ug/l	100
5) Bromomethane	2.56	94	263195	45.361	ug/l	99
6) Chloroethane	2.70	64	236954	46.347	ug/l	98
7) Trichlorofluoromethane	3.02	101	539303	48.758	ug/l	100
8) Diethyl Ether	3.41	74	196097	47.204	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	351872	50.232	ug/l	99
10) Methyl Iodide	3.95	142	498072	46.528	ug/l	99
11) Tert butyl alcohol	4.77	59	74431	201.661	ug/l	100
12) 1,1-Dichloroethene	3.74	96	324566	47.770	ug/l	98
13) Acrolein	3.60	56	153275	216.200	ug/l	98
14) Allyl chloride	4.32	41	543929	49.286	ug/l	100
15) Acrylonitrile	4.98	53	545047	224.389	ug/l	100
16) Acetone	3.81	43	420255	237.471	ug/l	99
17) Carbon Disulfide	4.06	76	912552	44.414	ug/l	99
18) Methyl Acetate	4.32	43	271951	45.611	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	857932	47.523	ug/l	99
20) Methylene Chloride	4.55	84	371171	45.939	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	350140	48.203	ug/l	98
22) Diisopropyl ether	5.95	45	1141514	49.546	ug/l	100
23) Vinyl Acetate	5.89	43	3414584	241.100	ug/l	100
24) 1,1-Dichloroethane	5.85	63	666741	48.953	ug/l	100
25) 2-Butanone	6.83	43	610454	223.844	ug/l	99
26) 2,2-Dichloropropane	6.82	77	509120	49.509	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	408074	49.127	ug/l	100
28) Bromochloromethane	7.19	49	288827	48.137	ug/l	99
29) Tetrahydrofuran	7.21	42	385075	216.898	ug/l	100
30) Chloroform	7.37	83	653785	49.268	ug/l	99
31) Cyclohexane	7.65	56	621521	46.877	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	549901	48.850	ug/l	99
36) 1,1-Dichloropropene	7.79	75	507759	49.942	ug/l	99
37) Ethyl Acetate	6.92	43	253660	43.366	ug/l	98
38) Carbon Tetrachloride	7.77	117	486528	50.547	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	646895	51.479	ug/l	99
40) Benzene	8.04	78	1528078	49.460	ug/l	98
41) Methacrylonitrile	7.17	41	174421	50.181	ug/l	94
42) 1,2-Dichloroethane	8.12	62	445894	49.540	ug/l	100
43) Isopropyl Acetate	8.16	43	484079	46.025	ug/l	98
44) Trichloroethene	8.83	130	435521	50.833	ug/l	99
45) 1,2-Dichloropropane	9.12	63	406596	49.687	ug/l	99
46) Dibromomethane	9.21	93	224059	47.656	ug/l	99
47) Bromodichloromethane	9.40	83	492956	49.857	ug/l	99
48) Methyl methacrylate	9.20	41	245071	45.128	ug/l	98
49) 1,4-Dioxane	9.20	88	46571	878.100	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1286472	224.063	ug/l	100
52) Toluene	10.15	92	944786	49.258	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	502917	50.182	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	603790	51.395	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	321065	48.553	ug/l	99
56) Ethyl methacrylate	10.43	69	399149	42.840	ug/l	99
57) 1,3-Dichloropropane	10.71	76	556533	48.651	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1105139	238.888	ug/l	99
59) 2-Hexanone	10.75	43	894719	221.986	ug/l	99
60) Dibromochloromethane	10.90	129	367628	49.016	ug/l	99
61) 1,2-Dibromoethane	11.00	107	316074	47.261	ug/l	99
64) Tetrachloroethene	10.63	164	493681	52.338	ug/l	99
65) Chlorobenzene	11.43	112	1071196	50.561	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	379925	51.547	ug/l	99
67) Ethyl Benzene	11.51	91	1833129	50.770	ug/l	100
68) m/p-Xylenes	11.62	106	1421366	104.265	ug/l	99
69) o-Xylene	11.95	106	683324	51.586	ug/l	98
70) Styrene	11.96	104	1128527	52.493	ug/l	100
71) Bromoform	12.13	173	244539	48.194	ug/l #	98
73) Isopropylbenzene	12.25	105	1824678	49.031	ug/l	100
74) N-amyl acetate	12.07	43	432243	43.570	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	318455	40.801	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	466505	69.659	ug/l #	100
77) Bromobenzene	12.53	156	469062	47.833	ug/l	97
78) n-propylbenzene	12.59	91	2126572	49.781	ug/l	100
79) 2-Chlorotoluene	12.67	91	1228264	48.508	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1523231	50.307	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	107722	41.179	ug/l	99
82) 4-Chlorotoluene	12.77	91	1263722	48.940	ug/l	100
83) tert-Butylbenzene	12.99	119	1348057	50.407	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1546187	50.644	ug/l	99
85) sec-Butylbenzene	13.17	105	1835449	50.044	ug/l	99
86) p-Isopropyltoluene	13.29	119	1645776	51.679	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	856000	49.625	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	843400	48.743	ug/l	99
89) n-Butylbenzene	13.61	91	1419384	52.288	ug/l	100
90) Hexachloroethane	13.87	117	255293	51.114	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	802784	50.586	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46754	47.243	ug/l	97

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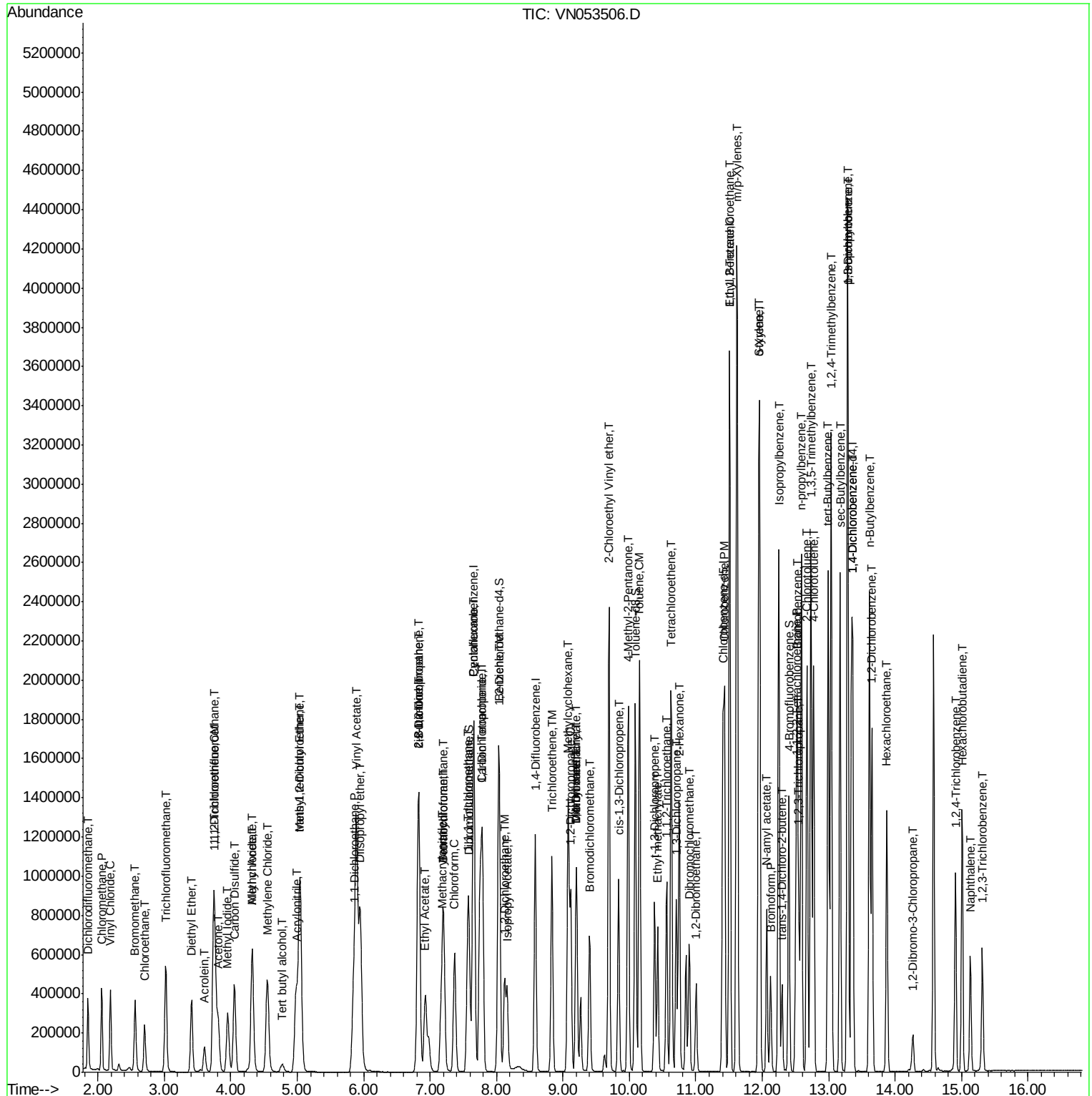
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	359827	51.312	ug/l	100
94) Hexachlorobutadiene	15.01	225	292413	59.068	ug/l	99
95) Naphthalene	15.13	128	528149	43.543	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	238486	46.816	ug/l	99

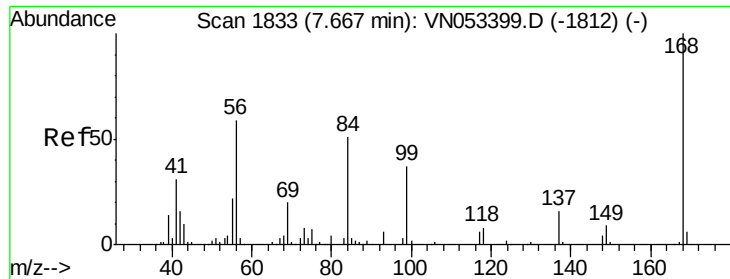
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

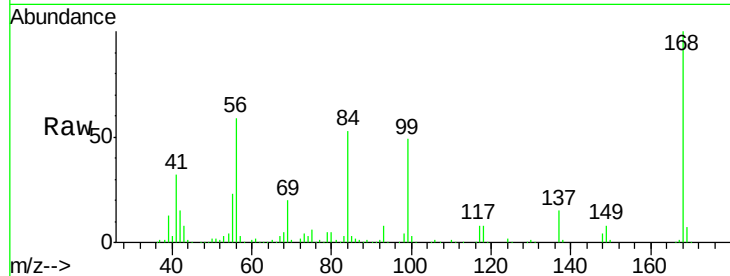
VSTDCCC050EC

Tot Ion:168 Resp: 763143

Ion Ratio Lower Upper

168 100

99 48.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

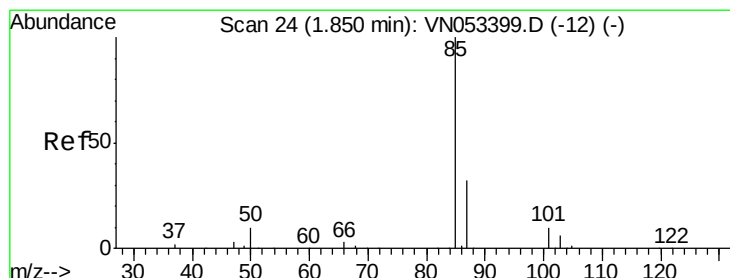
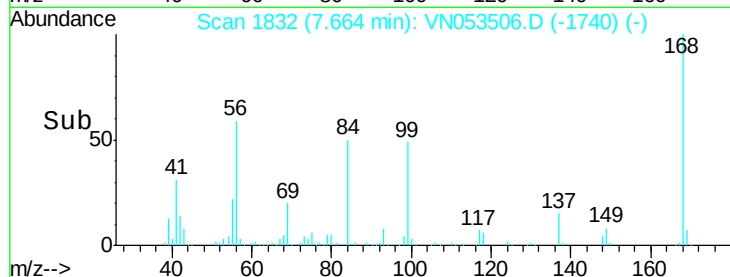
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 46.420 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053506.D

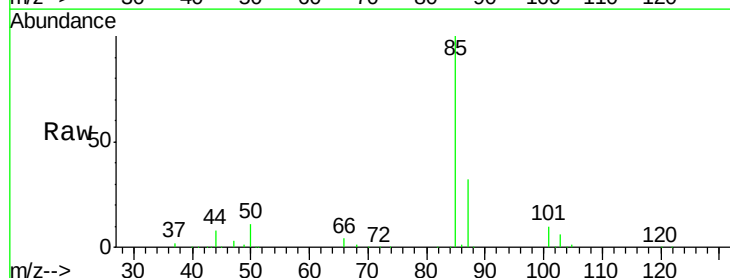
Acq: 21 Jan 2019 15:13

Tgt Ion: 85 Resp: 284820

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

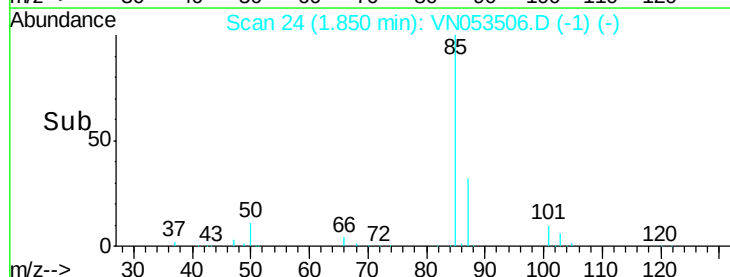
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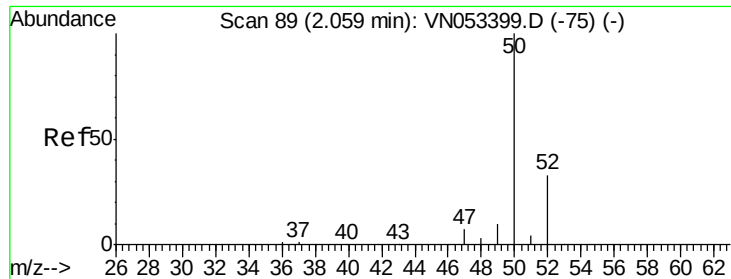
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 42.355 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

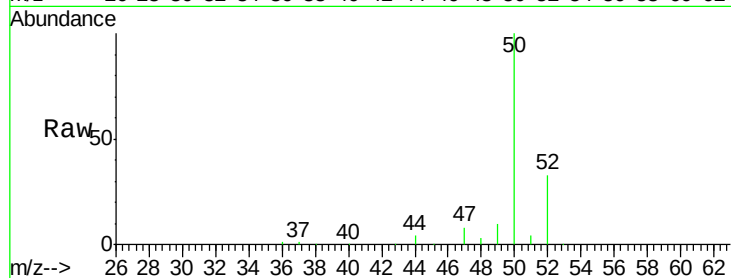
VSTDCCC050EC

Tot Ion: 50 Resp: 371563

Ion Ratio Lower Upper

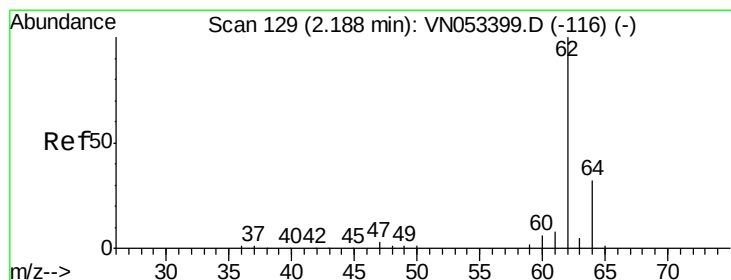
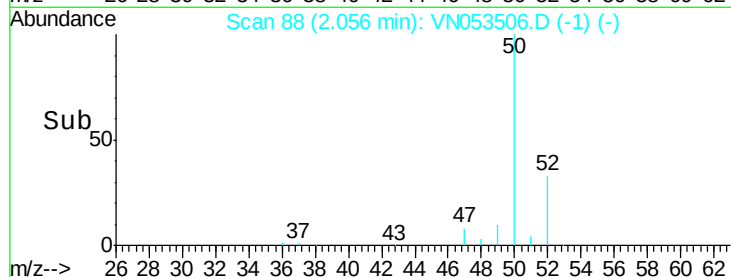
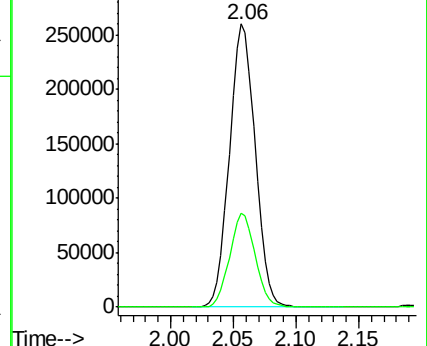
50 100

52 33.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.236 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053506.D

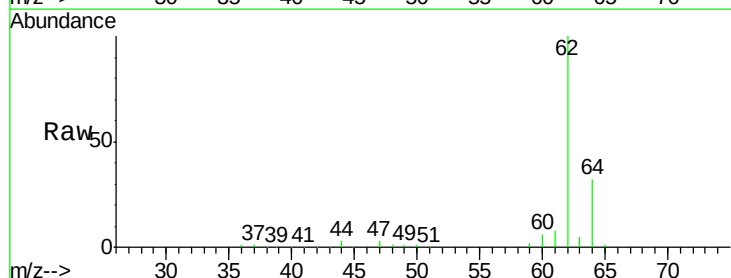
Acq: 21 Jan 2019 15:13

Tgt Ion: 62 Resp: 382528

Ion Ratio Lower Upper

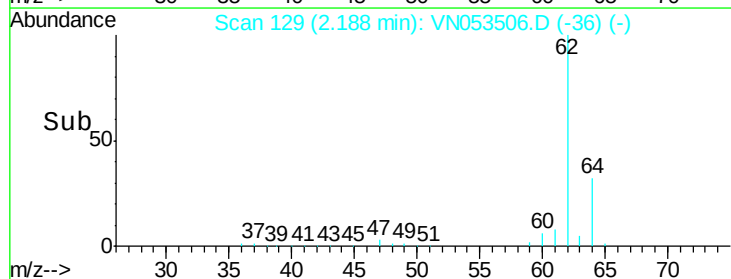
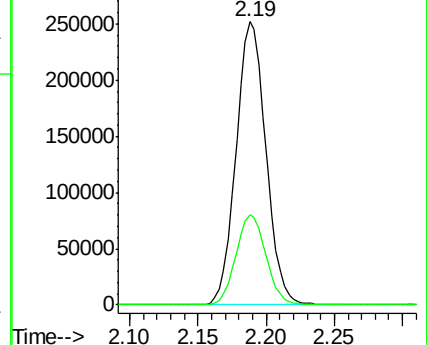
62 100

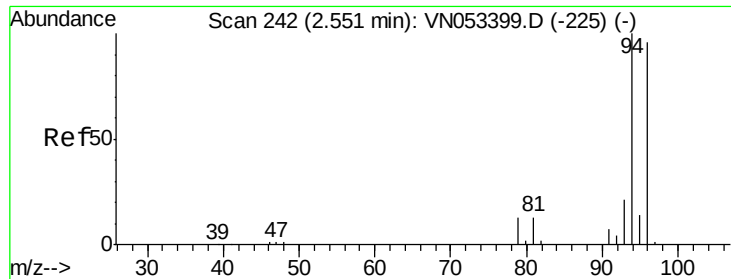
64 31.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

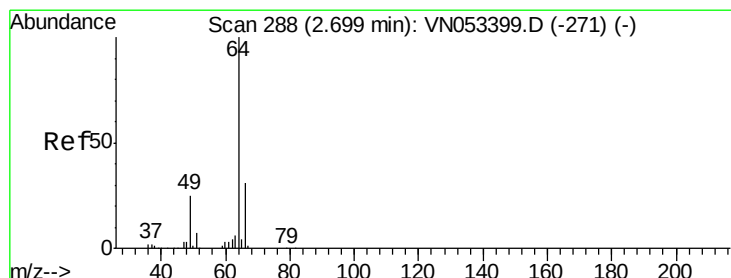
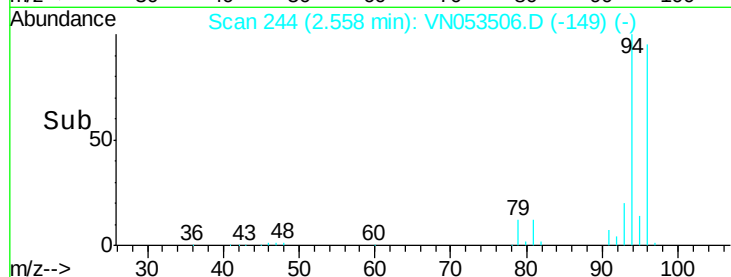
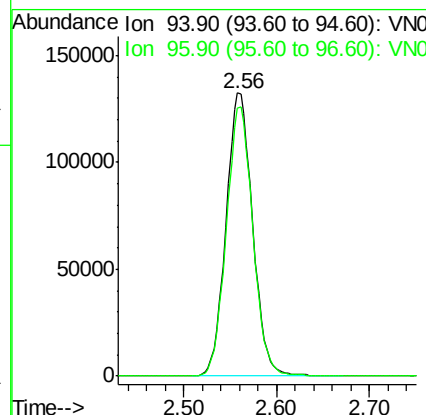
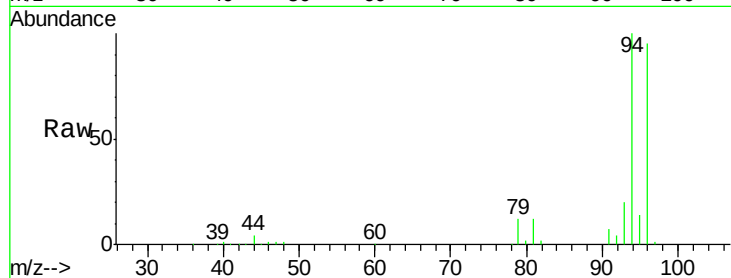




#5
Bromomethane
Concen: 45.361 ug/l
RT: 2.56 min Scan# 244
Delta R.T. 0.01 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

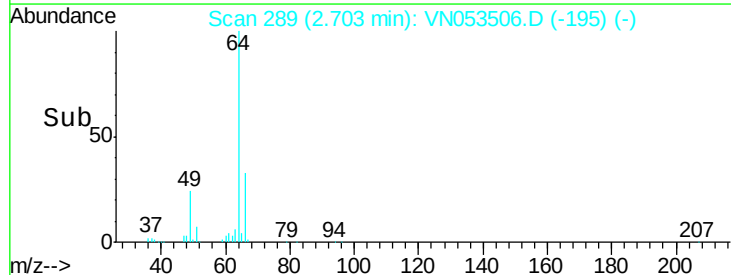
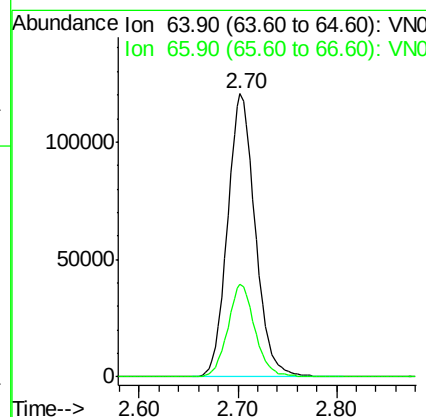
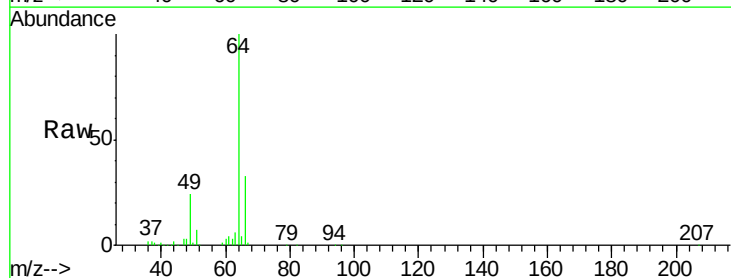
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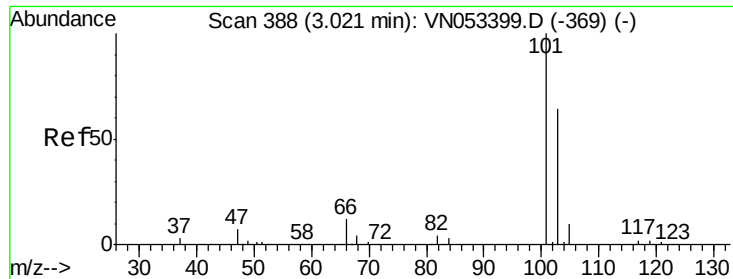
Tot Ion: 94 Resp: 263195
Ion Ratio Lower Upper
94 100
96 94.6 76.8 115.2



#6
Chloroethane
Concen: 46.347 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Tgt Ion: 64 Resp: 236954
Ion Ratio Lower Upper
64 100
66 32.7 25.1 37.7



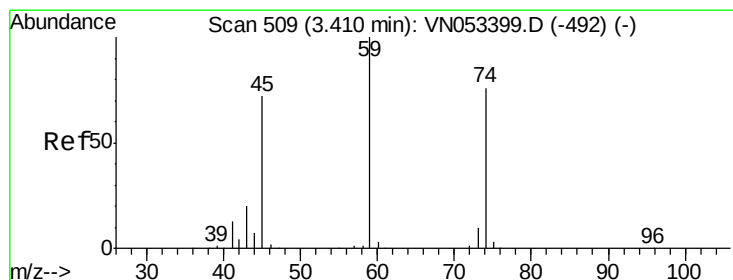
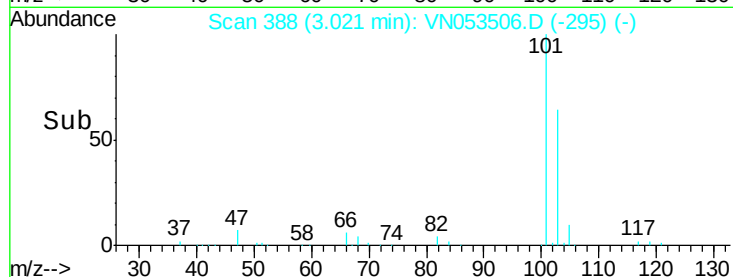
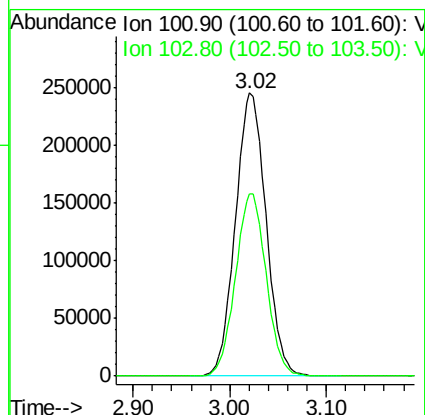
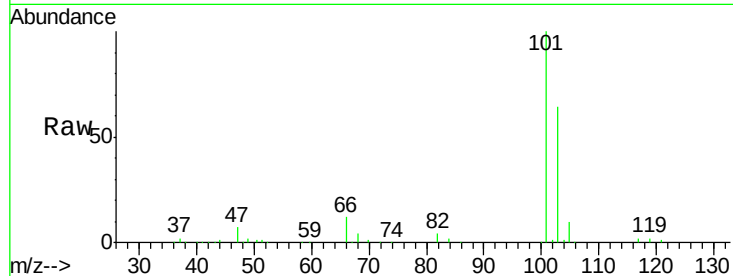


#7

Trichlorofluoromethane
 Concen: 48.758 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

Instrument :
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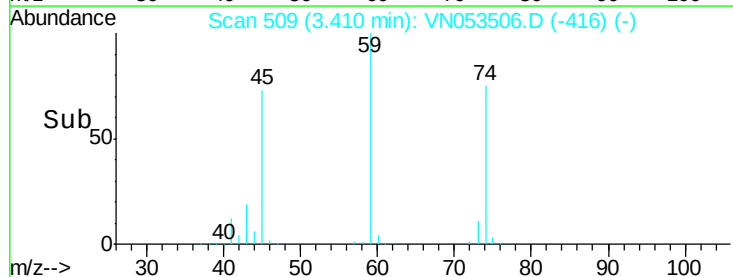
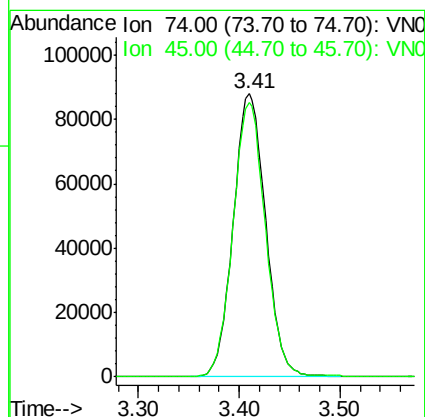
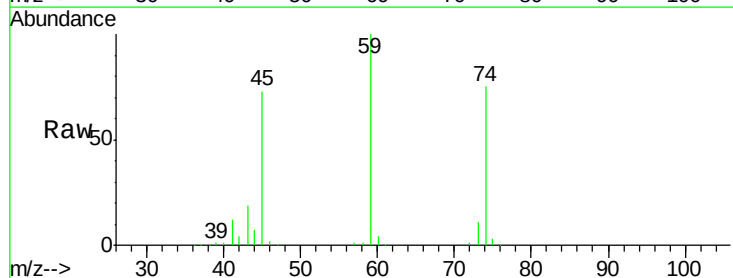
Tot Ion:101 Resp: 539303
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.6 77.4

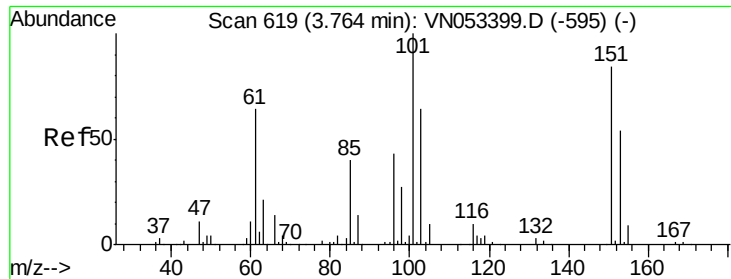


#8

Diethyl Ether
 Concen: 47.204 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

Tgt Ion: 74 Resp: 196097
 Ion Ratio Lower Upper
 74 100
 45 97.2 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.232 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

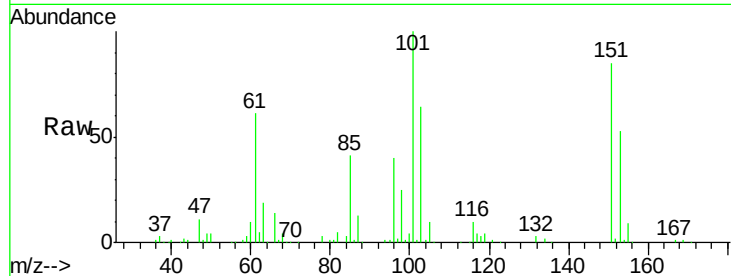
Tot Ion:101 Resp: 351872

Ion Ratio Lower Upper

101 100

85 41.2 32.8 49.2

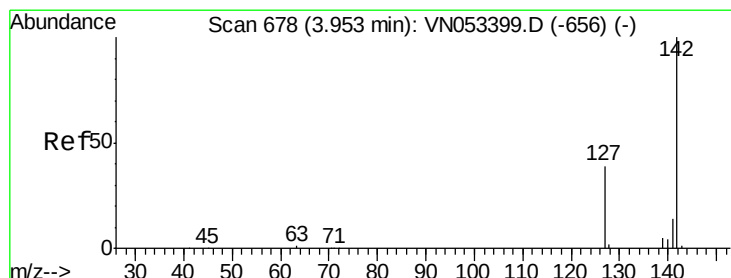
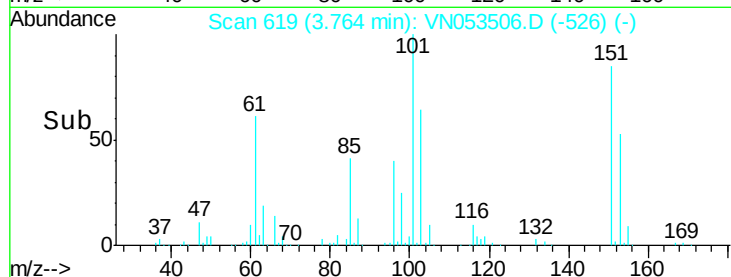
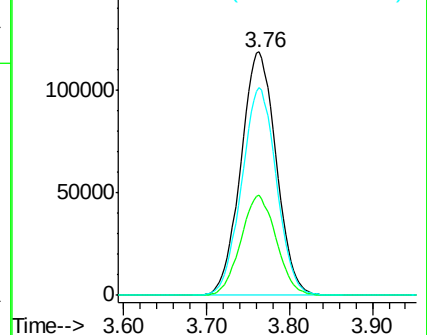
151 84.2 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.528 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

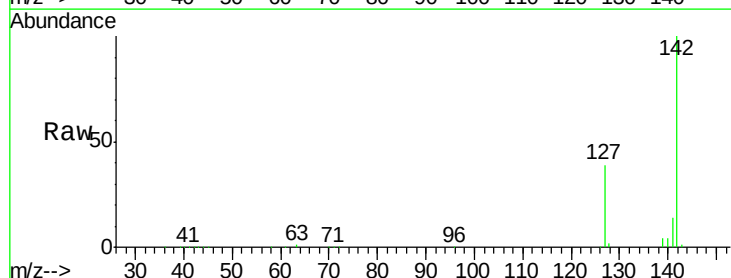
Tgt Ion:142 Resp: 498072

Ion Ratio Lower Upper

142 100

127 39.4 31.0 46.4

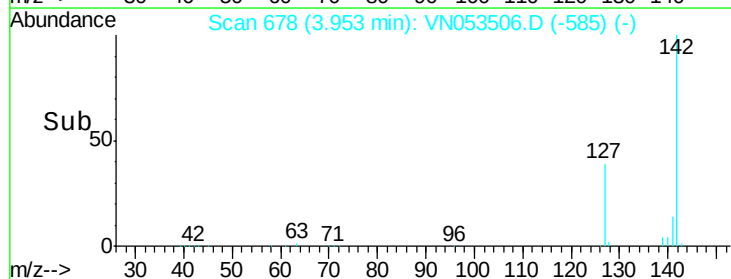
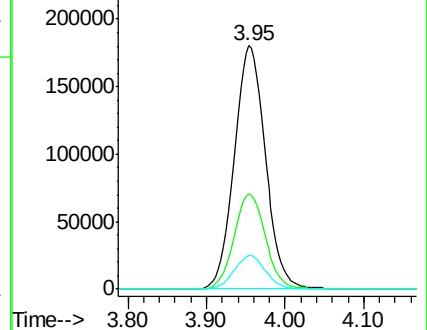
141 13.9 11.1 16.7

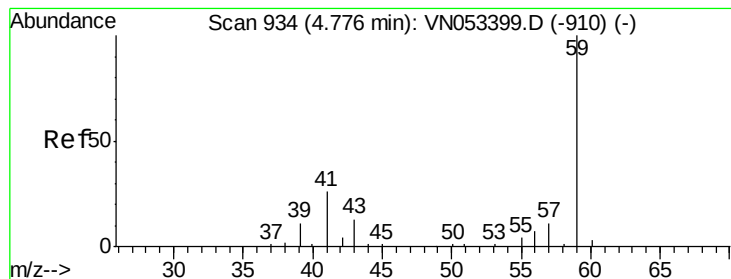


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



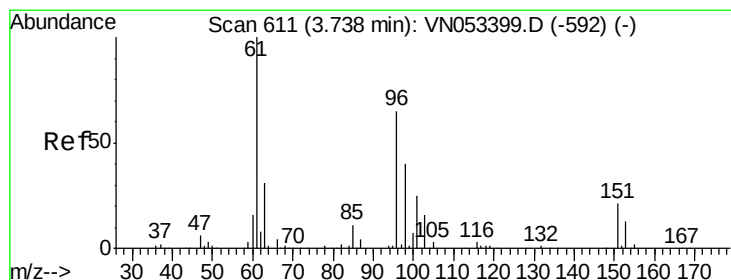
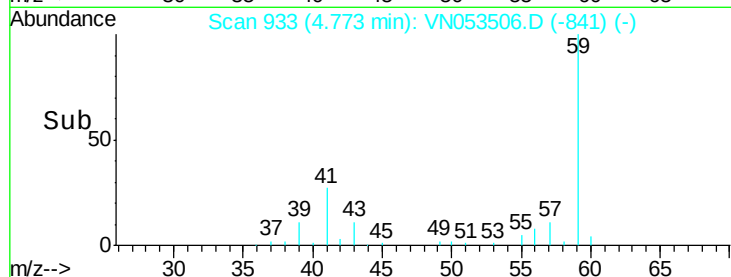
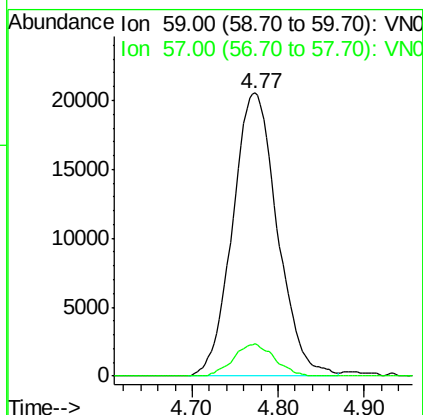
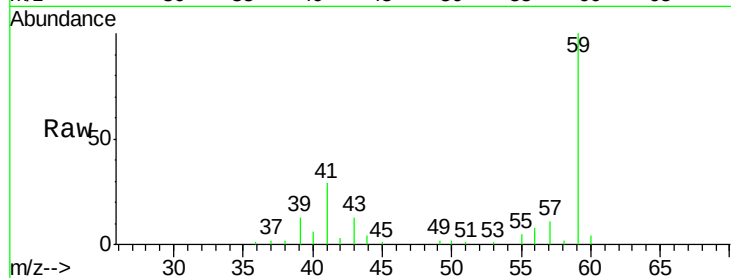


#11

Tert butyl alcohol
 Concen: 201.661 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

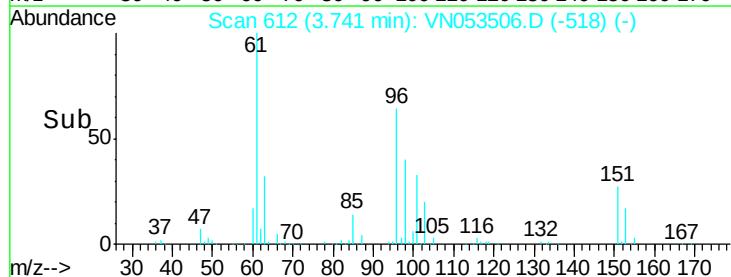
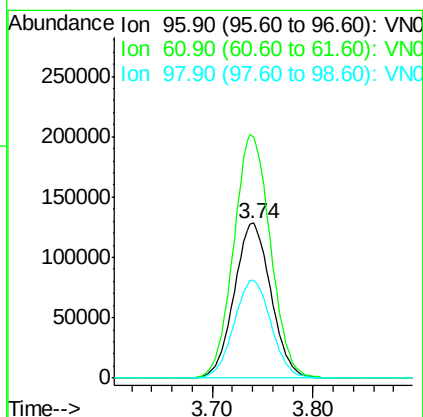
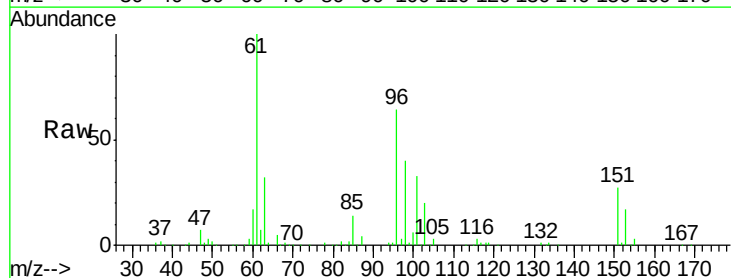
Tot Ion: 59 Resp: 74431
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.4

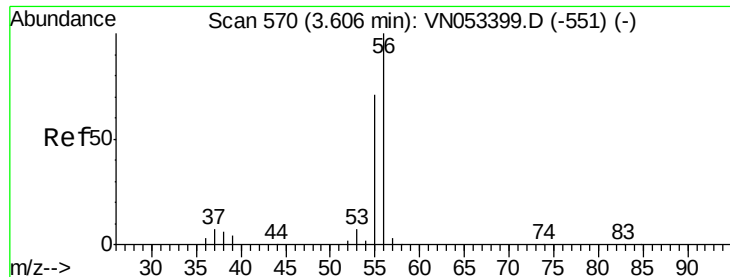


#12

1,1-Dichloroethene
 Concen: 47.770 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

Tgt Ion: 96 Resp: 324566
 Ion Ratio Lower Upper
 96 100
 61 156.1 122.9 184.3
 98 63.2 49.4 74.0





#13

Acrolein

Concen: 216.200 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

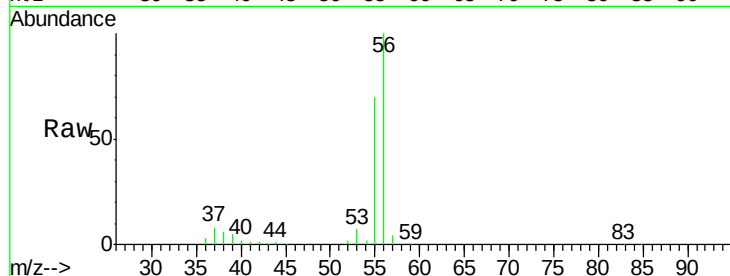
VSTDCCC050EC

Tot Ion: 56 Resp: 153275

Ion Ratio Lower Upper

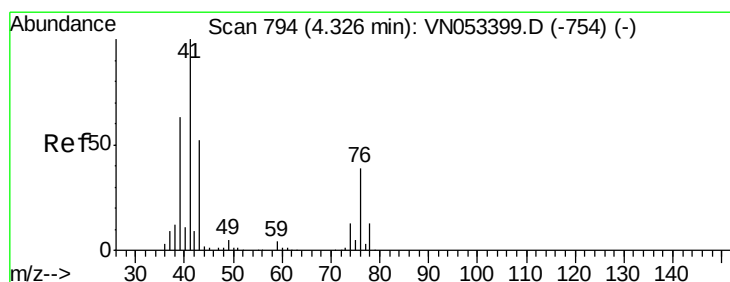
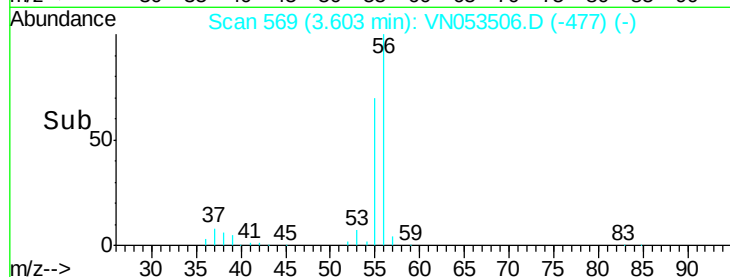
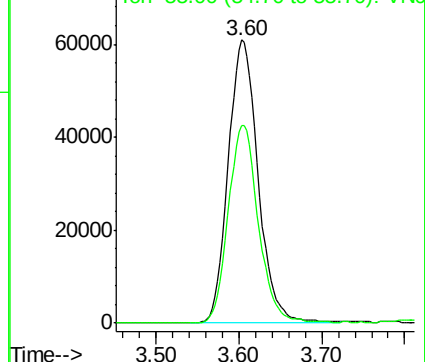
56 100

55 70.1 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.286 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

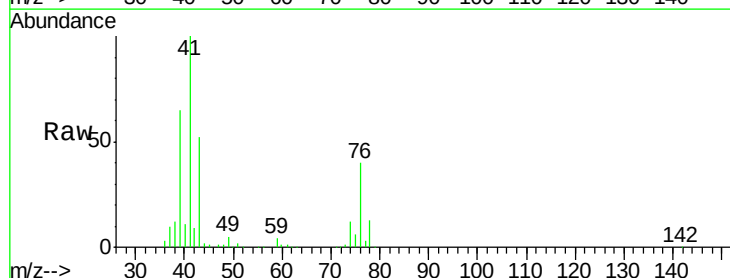
Tgt Ion: 41 Resp: 543929

Ion Ratio Lower Upper

41 100

39 61.5 48.9 73.3

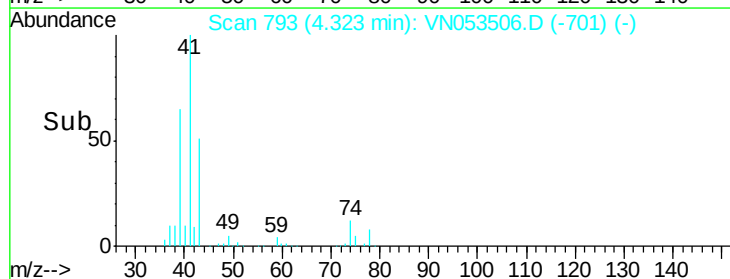
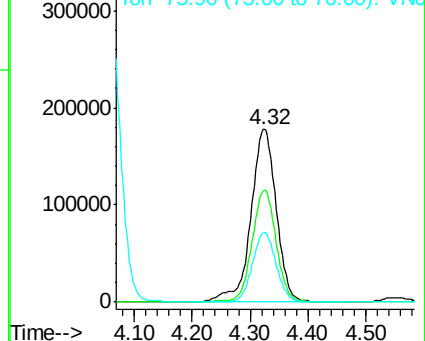
76 37.0 29.4 44.2

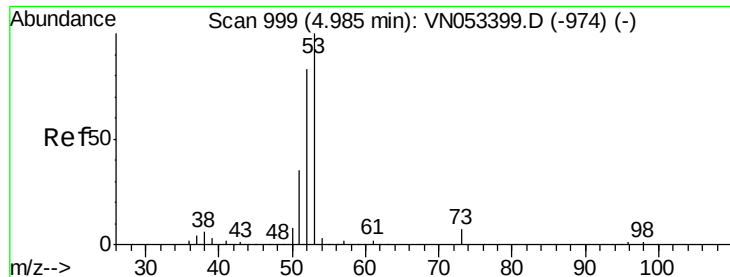


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 224.389 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

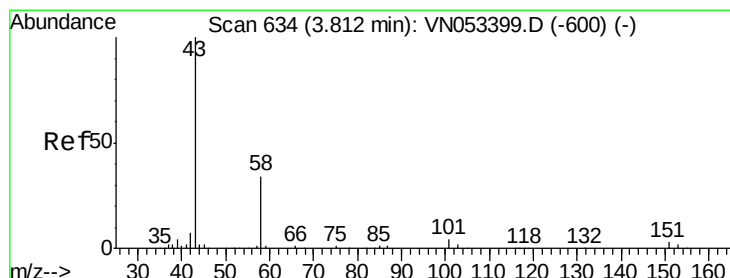
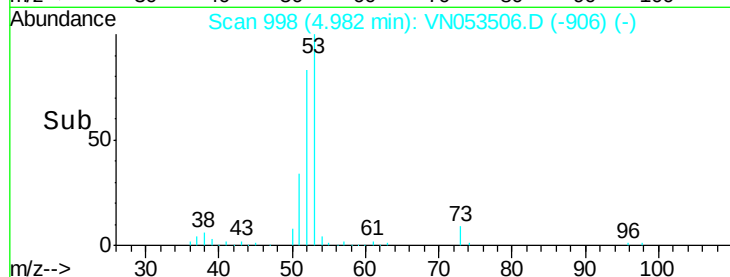
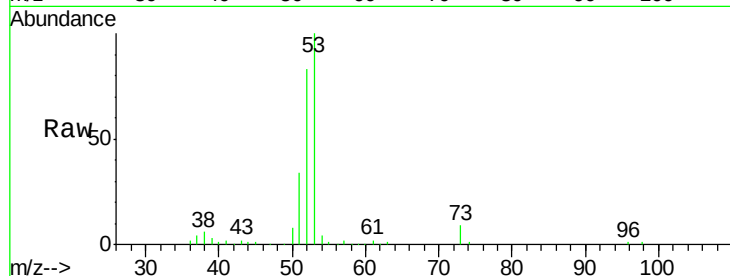
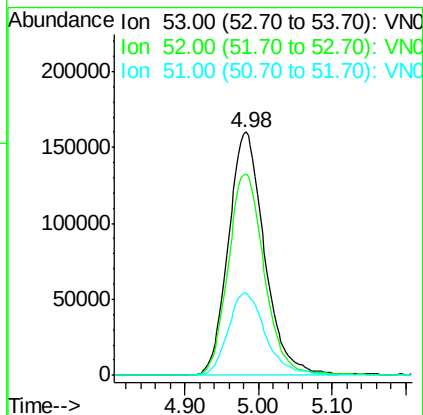
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 545047

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.0	99.0
51	35.3	28.3	42.5



#16

Acetone

Concen: 237.471 ug/l

RT: 3.81 min Scan# 634

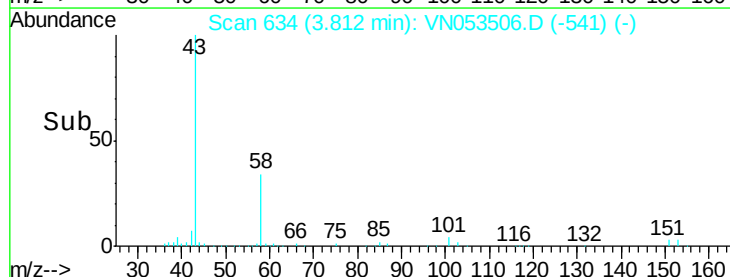
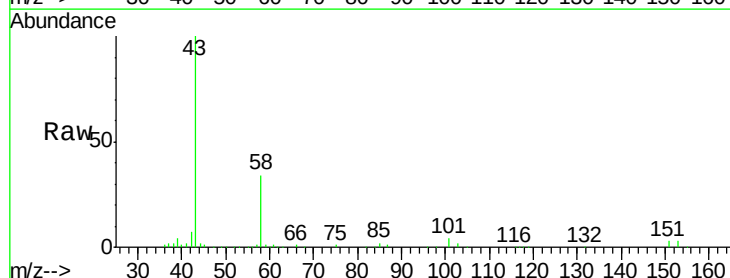
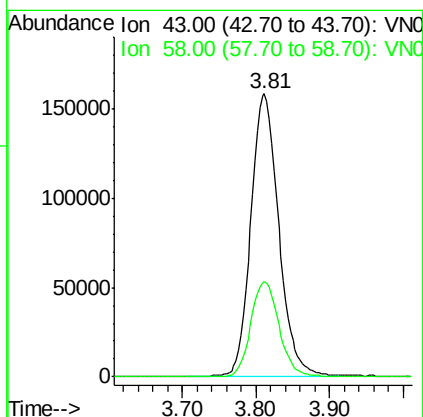
Delta R.T. -0.00 min

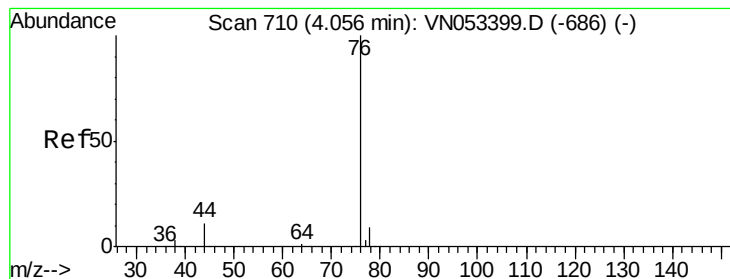
Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Tgt Ion: 43 Resp: 420255

Ion	Ratio	Lower	Upper
43	100		
58	33.6	27.1	40.7





#17

Carbon Disulfide

Concen: 44.414 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

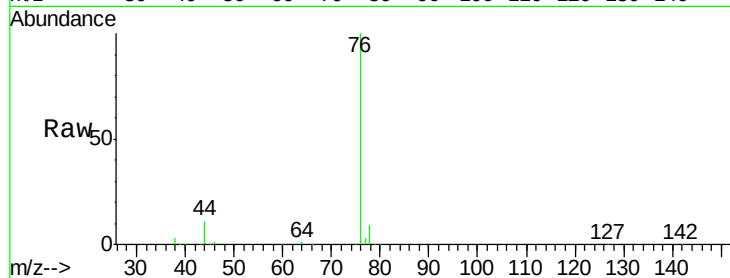
VSTDCCC050EC

Tot Ion: 76 Resp: 912552

Ion Ratio Lower Upper

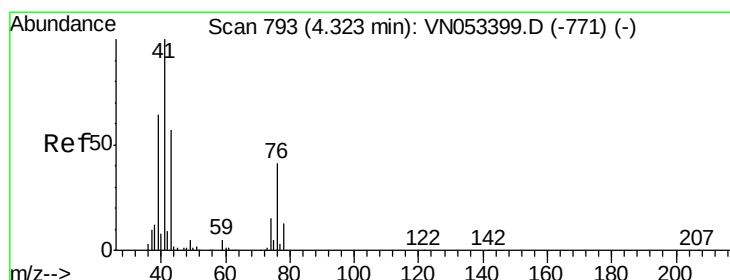
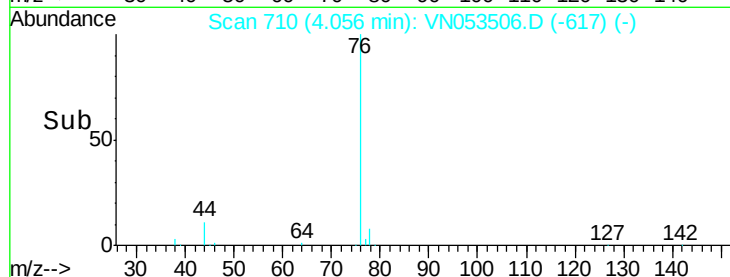
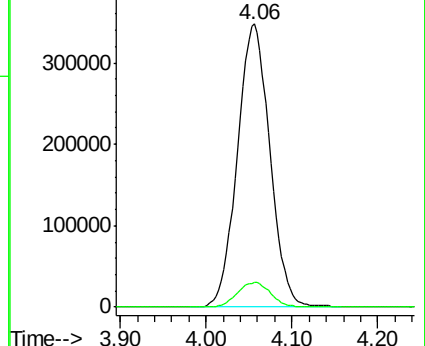
76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 45.611 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN053506.D

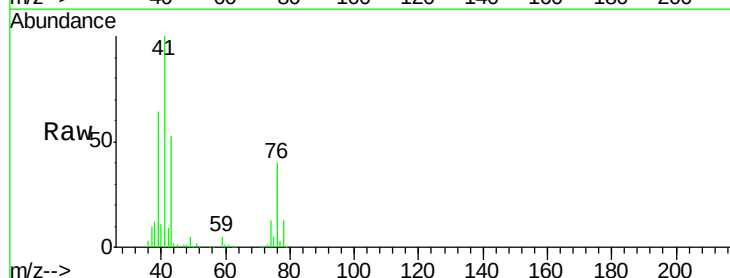
Acq: 21 Jan 2019 15:13

Tgt Ion: 43 Resp: 271951

Ion Ratio Lower Upper

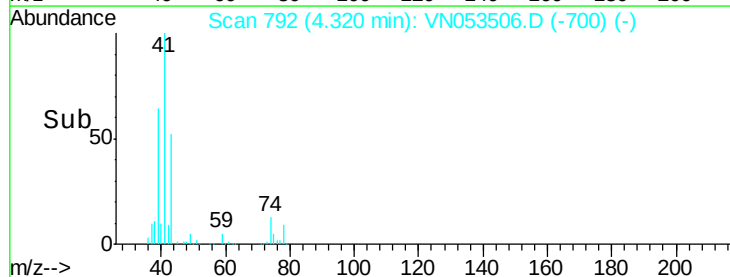
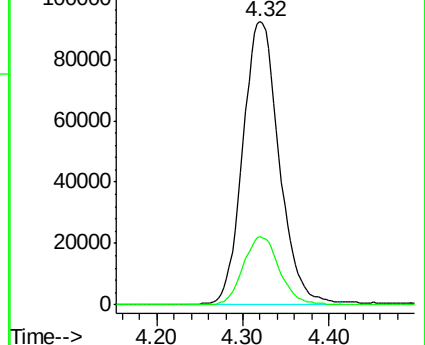
43 100

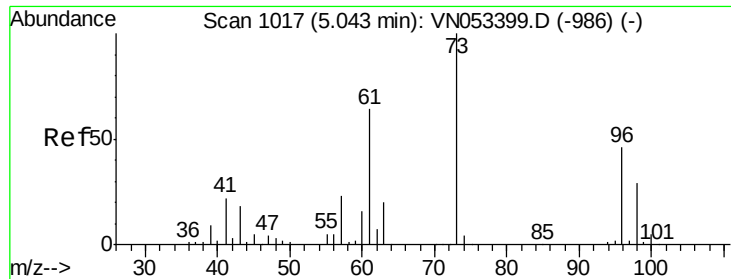
74 24.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

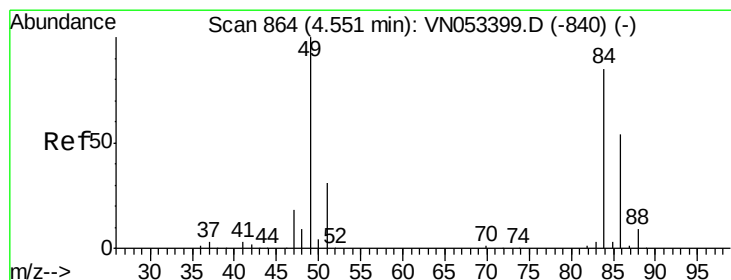
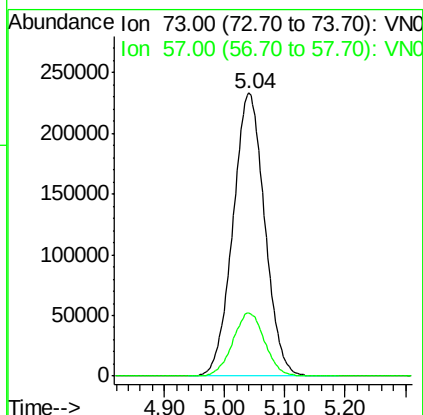
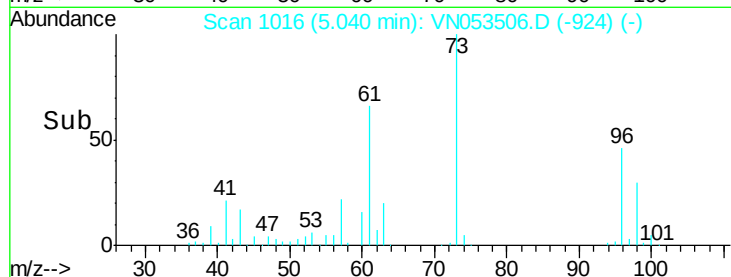
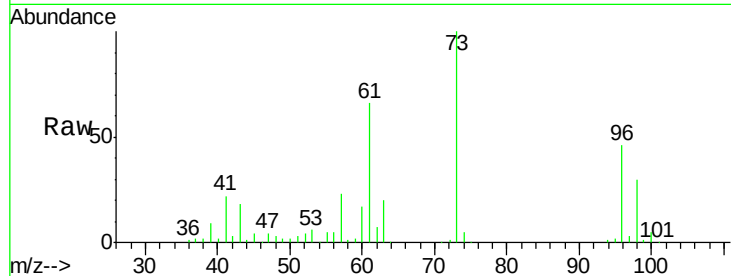




#19
Methyl tert-butyl Ether
Concen: 47.523 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

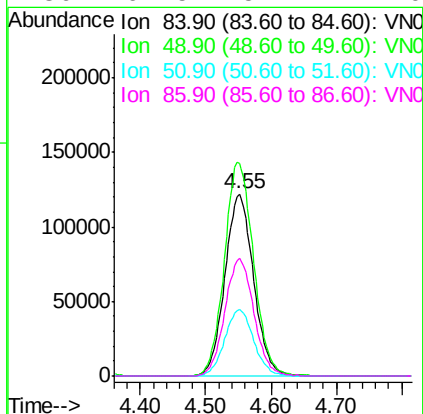
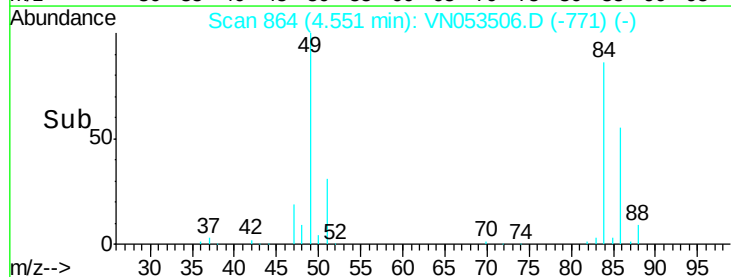
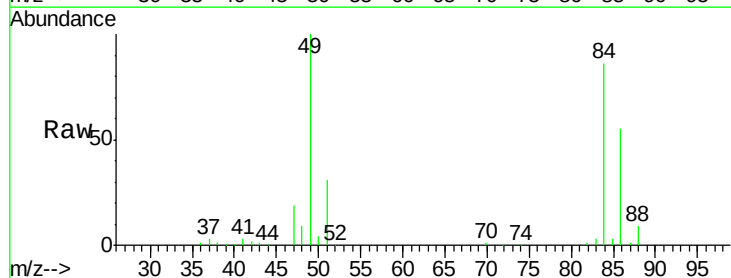
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

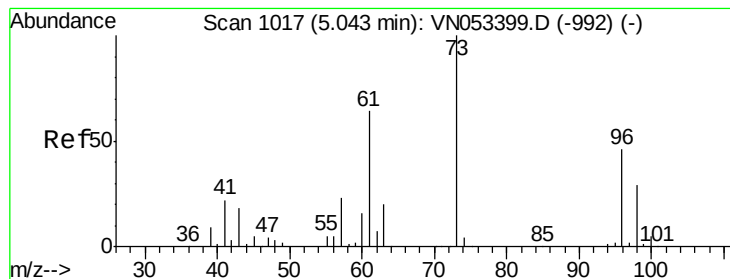
Tot Ion: 73 Resp: 857932
Ion Ratio Lower Upper
73 100
57 22.6 18.3 27.5



#20
Methylene Chloride
Concen: 45.939 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Tgt Ion: 84 Resp: 371171
Ion Ratio Lower Upper
84 100
49 116.8 94.3 141.5
51 36.3 29.4 44.2
86 64.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 48.203 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

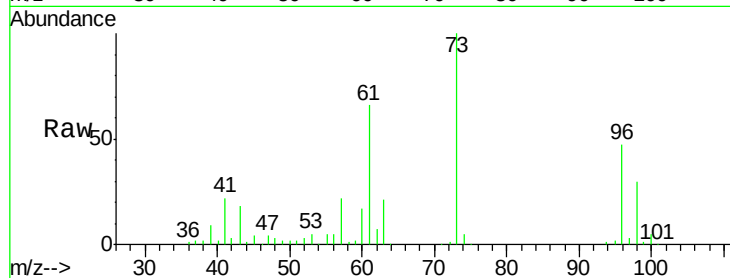
Tot Ion: 96 Resp: 350140

Ion Ratio Lower Upper

96 100

61 140.6 110.1 165.1

98 64.1 50.0 75.0

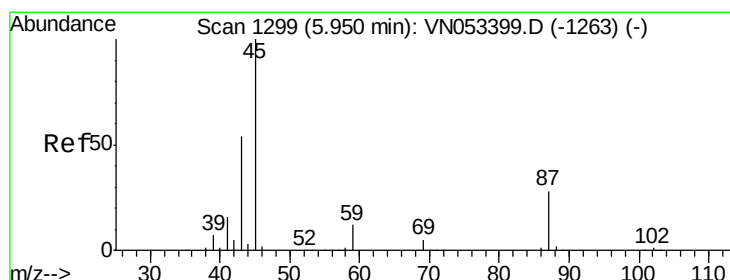
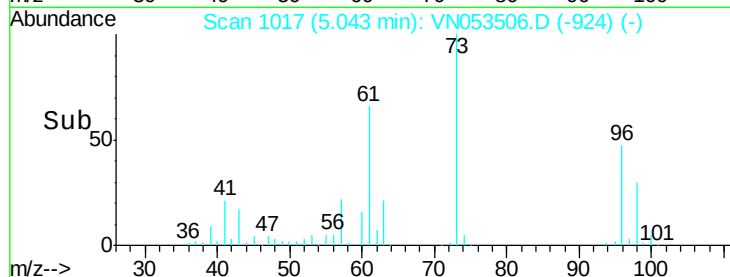
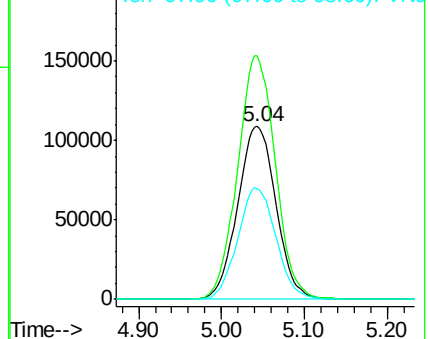


Abundance

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: 49.546 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Tgt Ion: 45 Resp: 1141514

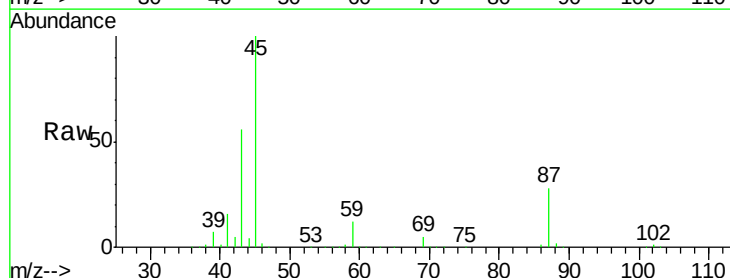
Ion Ratio Lower Upper

45 100

43 55.5 44.2 66.4

87 28.3 22.7 34.1

59 12.0 9.4 14.2



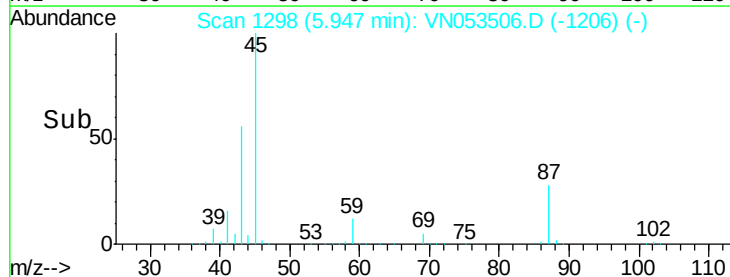
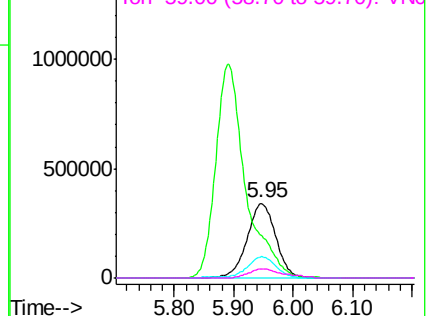
Abundance

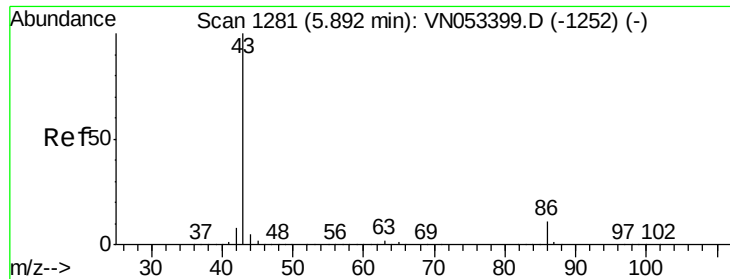
Ion 45.00 (44.70 to 45.70): VN0

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: 241.100 ug/l

RT: 5.89 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

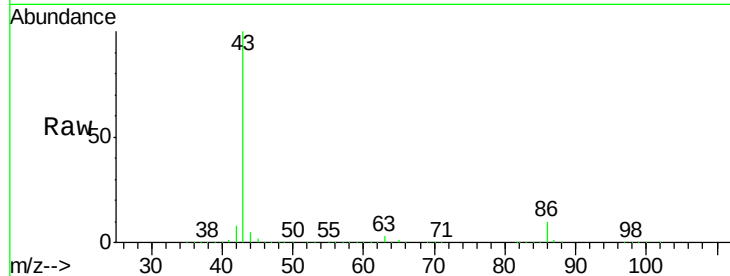
VSTDCCC050EC

Tot Ion: 43 Resp: 3414584

Ion Ratio Lower Upper

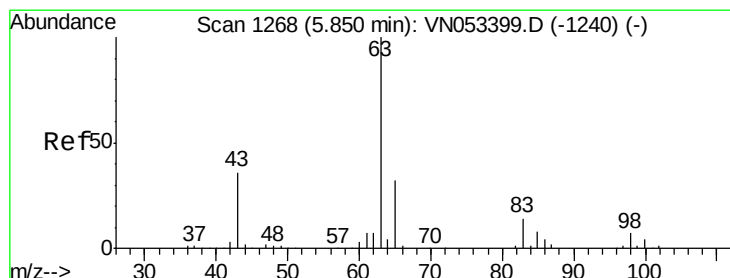
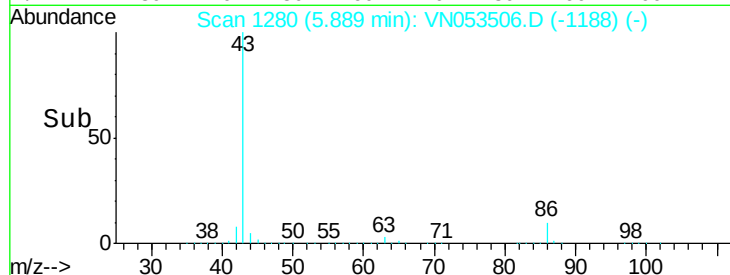
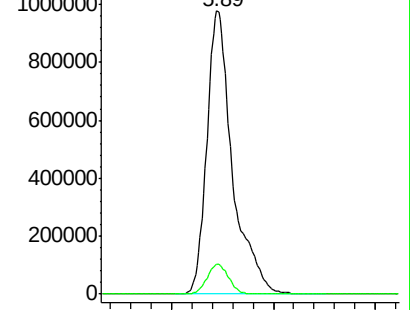
43 100

86 10.5 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN053399.D (-1252) (-)



#24

1,1-Dichloroethane

Concen: 48.953 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

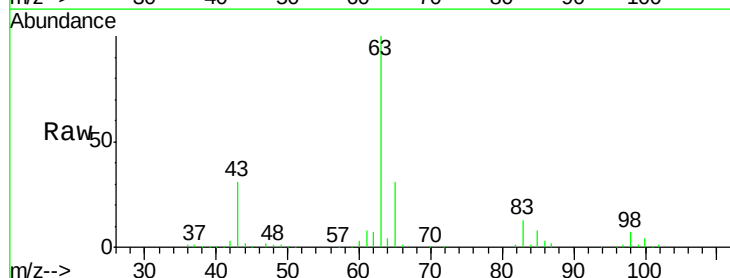
Tgt Ion: 63 Resp: 666741

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

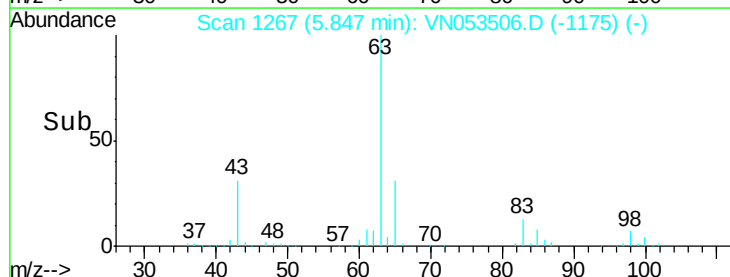
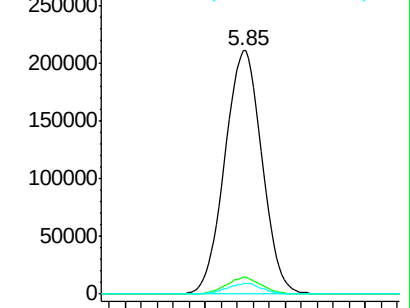
100 4.2 2.1 6.5

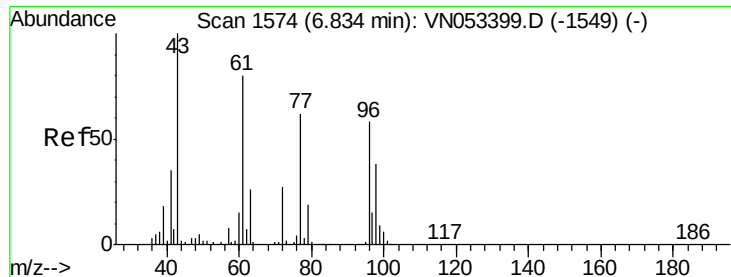


Abundance Ion 62.90 (62.60 to 63.60): VN053399.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN053399.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN053399.D (-1240) (-)





#25

2-Butanone

Concen: 223.844 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

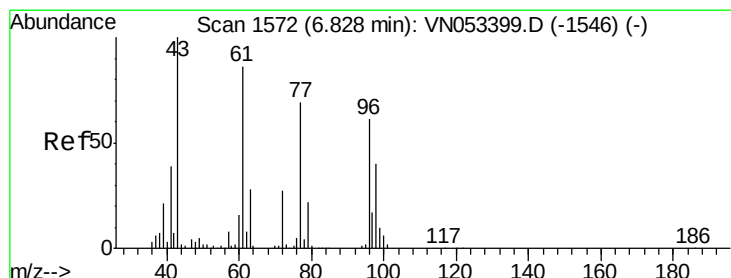
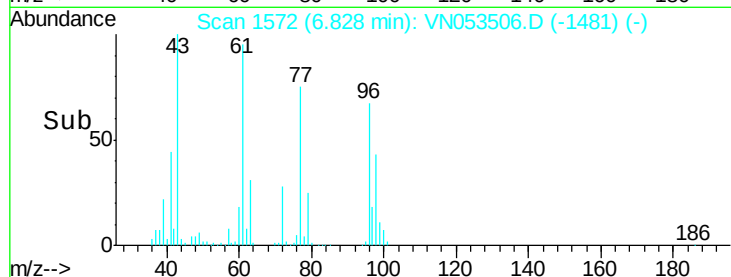
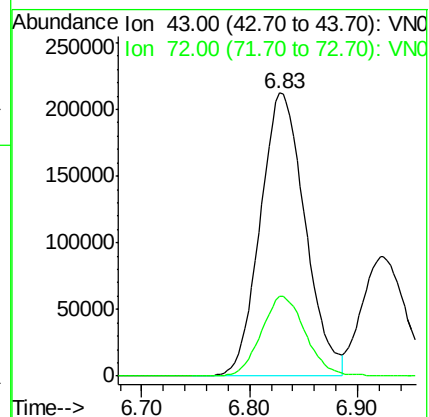
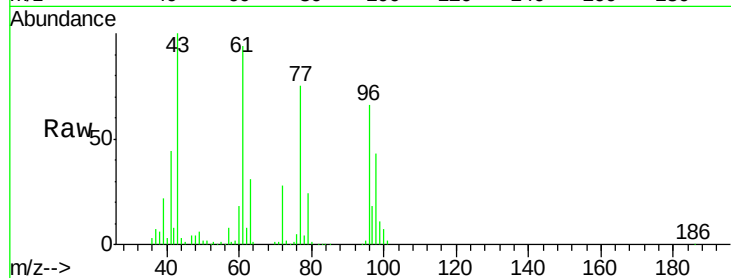
VSTDCCC050EC

Tot Ion: 43 Resp: 610454

Ion Ratio Lower Upper

43 100

72 28.2 22.0 33.0



#26

2,2-Dichloropropane

Concen: 49.509 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053506.D

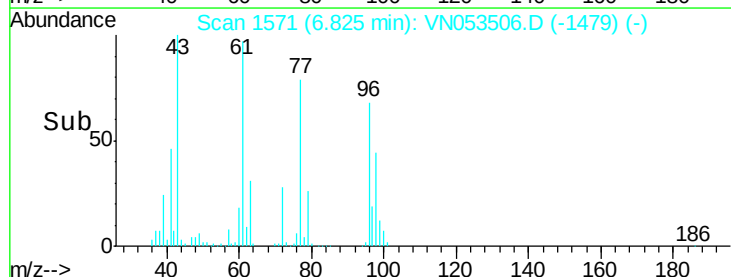
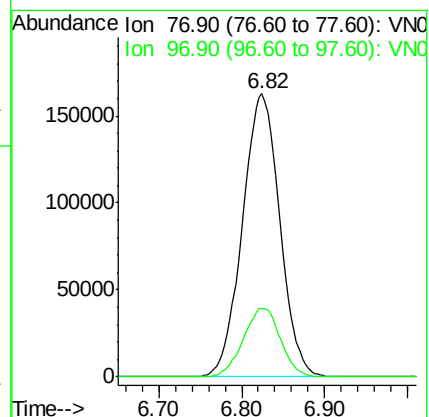
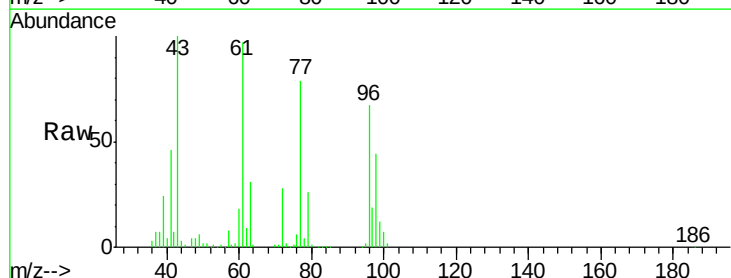
Acq: 21 Jan 2019 15:13

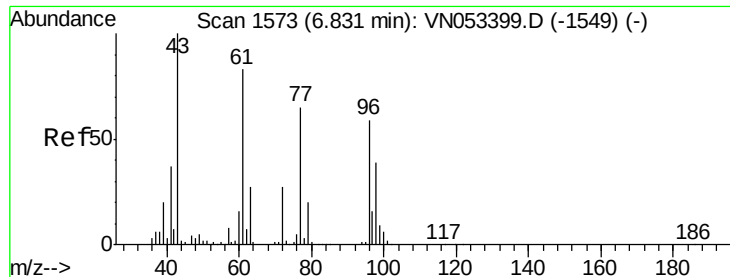
Tgt Ion: 77 Resp: 509120

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.127 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

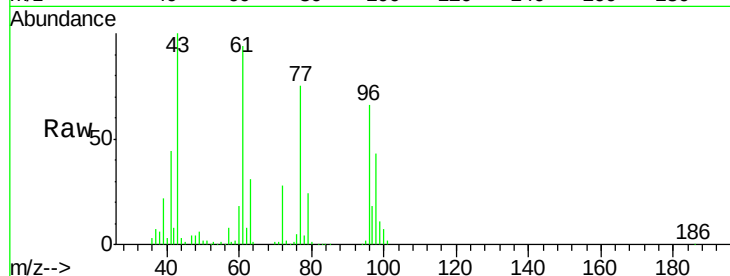
Tot Ion: 96 Resp: 408074

Ion Ratio Lower Upper

96 100

61 142.5 0.0 283.8

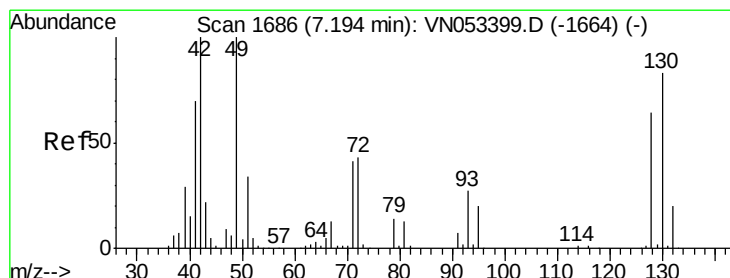
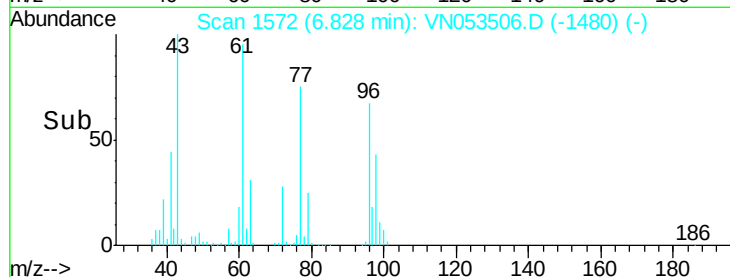
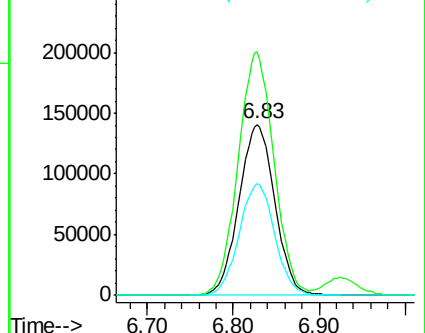
98 64.8 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053399.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN053399.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN053399.D (-1549) (-)



#28

Bromochloromethane

Concen: 48.137 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

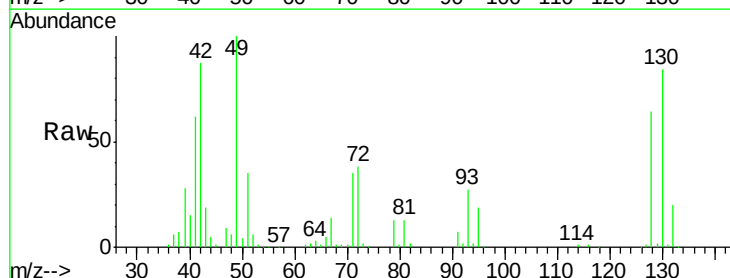
Tgt Ion: 49 Resp: 288827

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

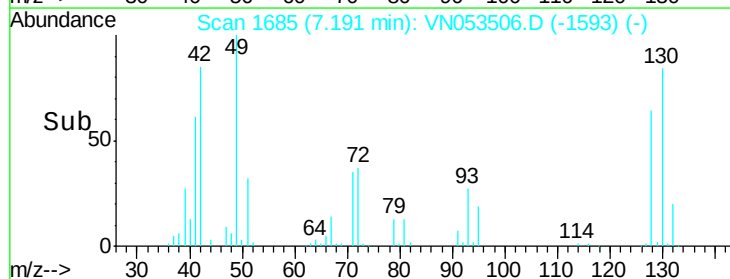
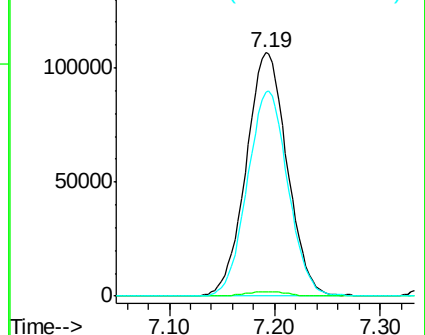
130 83.5 66.3 99.5

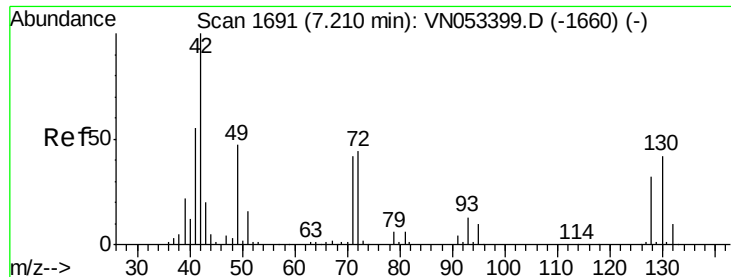


Abundance Ion 48.90 (48.60 to 49.60): VN053399.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN053399.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN053399.D (-1664) (-)





#29

Tetrahydrofuran

Concen: 216.898 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

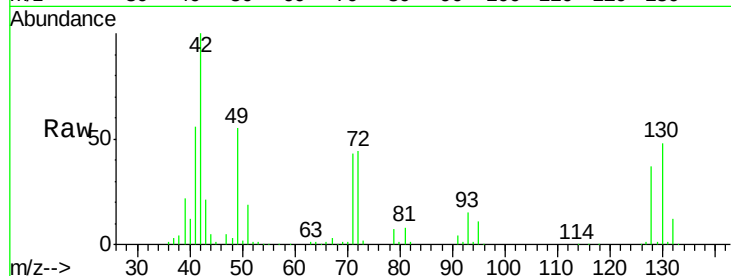
Tot Ion: 42 Resp: 385075

Ion Ratio Lower Upper

42 100

72 43.7 35.2 52.8

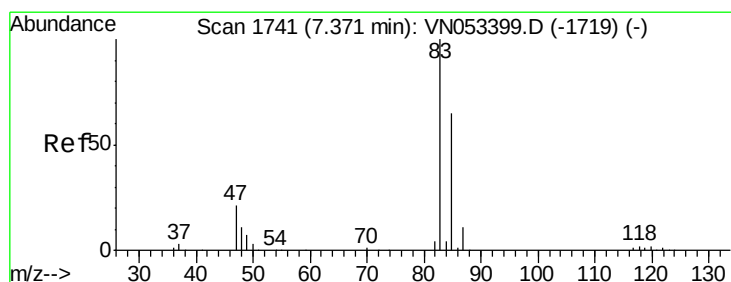
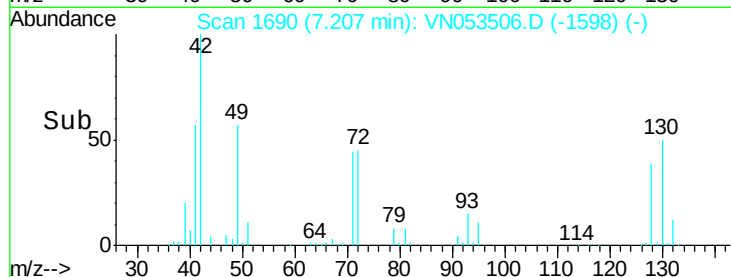
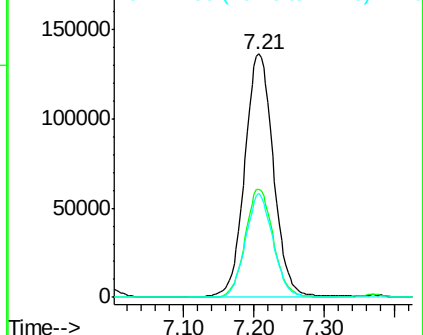
71 40.9 33.0 49.4



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: 49.268 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VN053506.D

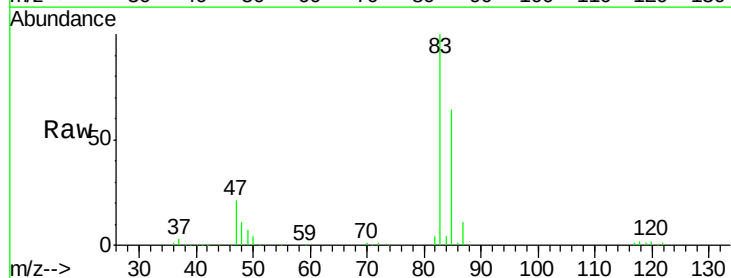
Acq: 21 Jan 2019 15:13

Tgt Ion: 83 Resp: 653785

Ion Ratio Lower Upper

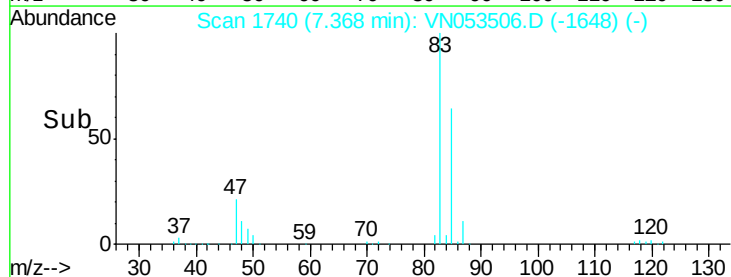
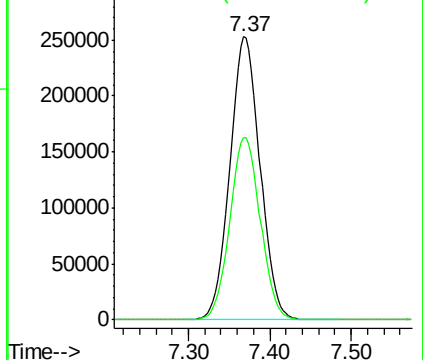
83 100

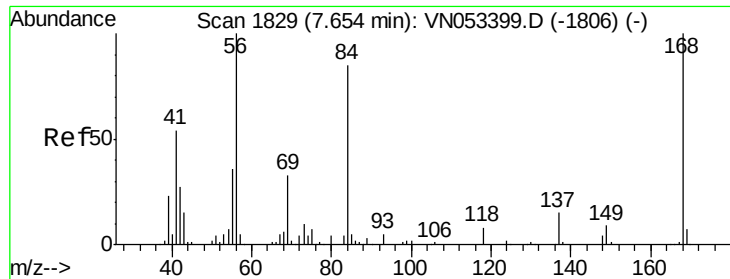
85 64.4 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

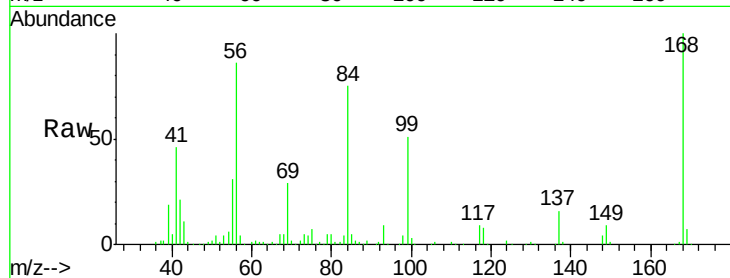




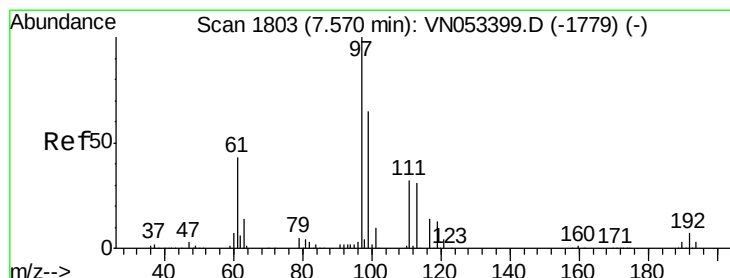
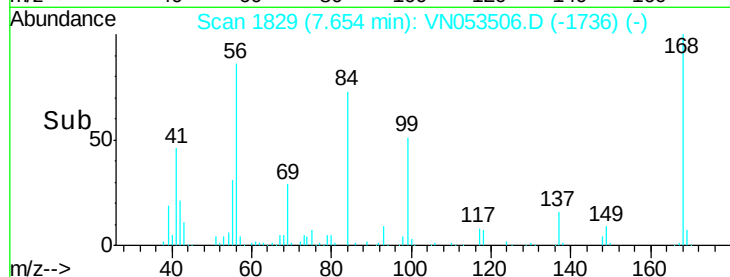
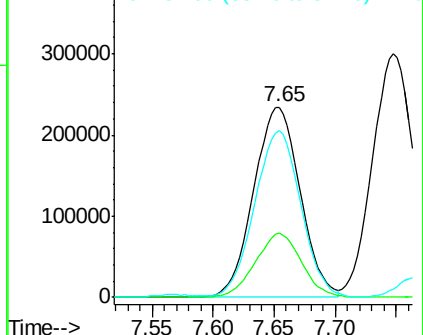
#31
Cyclohexane
Concen: 46.877 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 621521
Ion Ratio Lower Upper
56 100
69 33.6 26.4 39.6
84 86.8 67.9 101.9

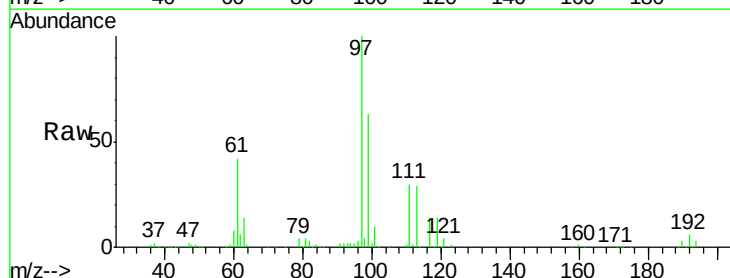


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

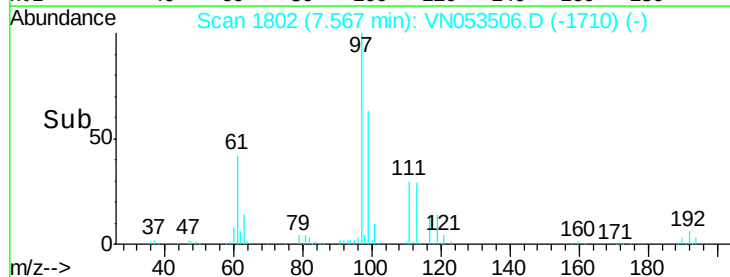
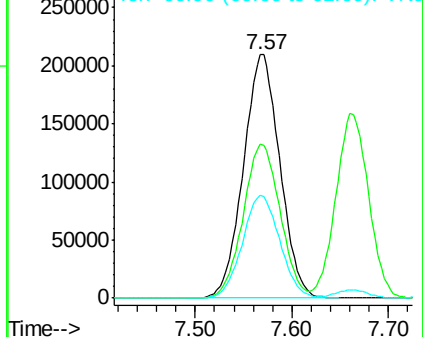


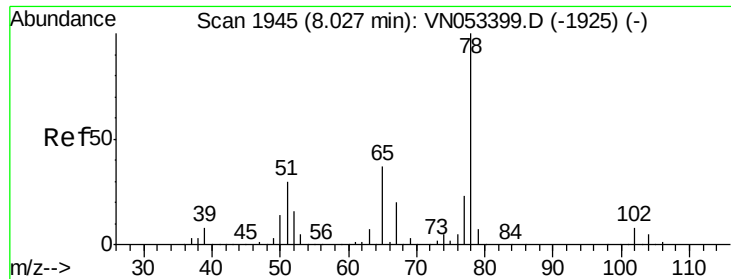
#32
1,1,1-Trichloroethane
Concen: 48.850 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Tgt Ion: 97 Resp: 549901
Ion Ratio Lower Upper
97 100
99 64.1 52.0 78.0
61 43.1 34.4 51.6



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

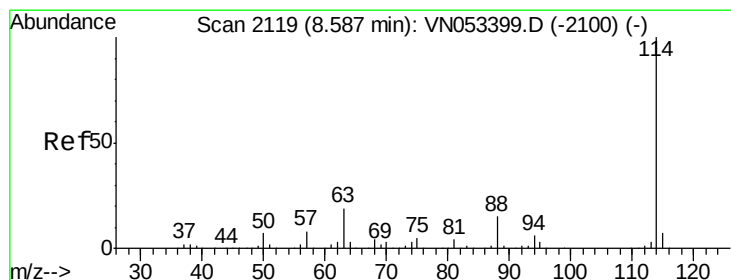
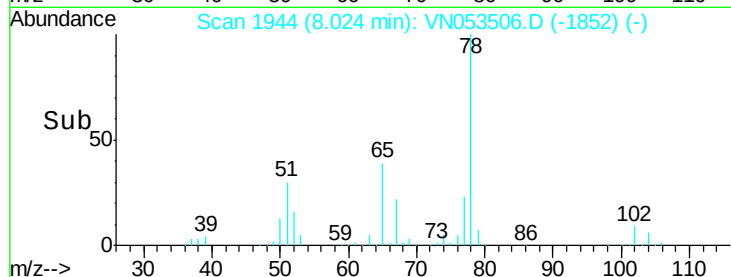
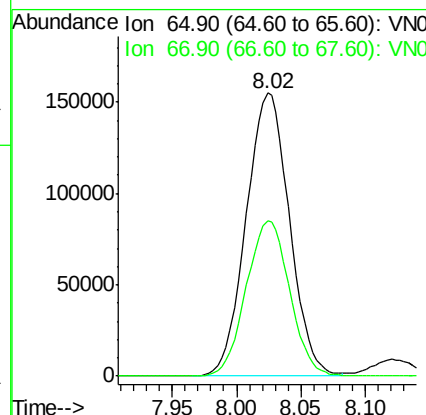
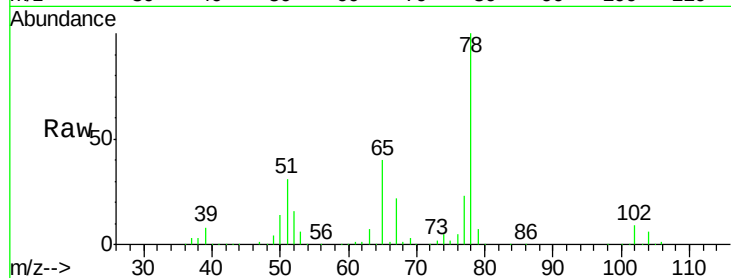




#33
 1,2-Dichloroethane-d4
 Concen: 48.850 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

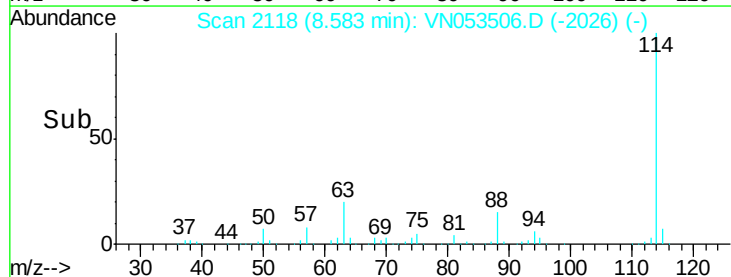
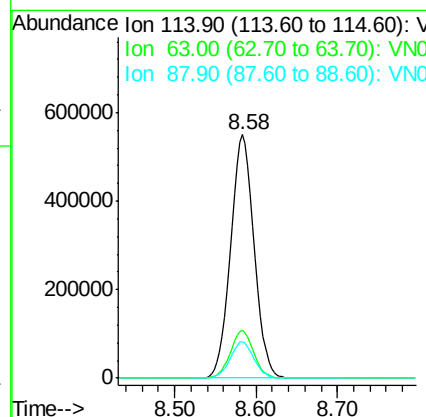
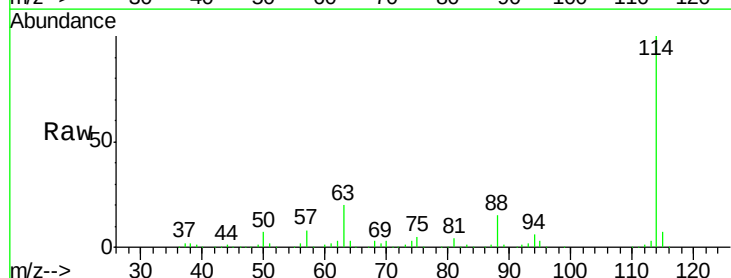
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

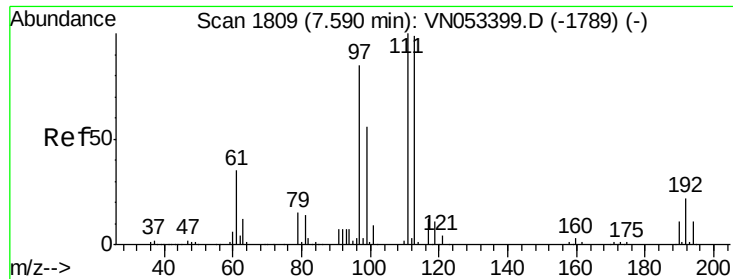
Tot Ion: 65 Resp: 362578
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

Tgt Ion: 114 Resp: 1116365
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.1 0.0 30.4

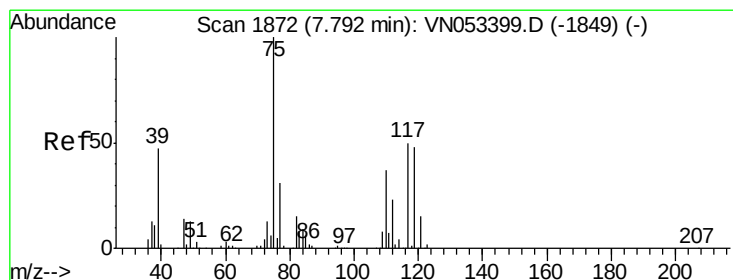
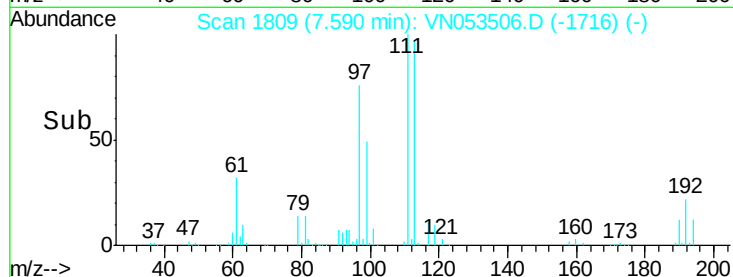
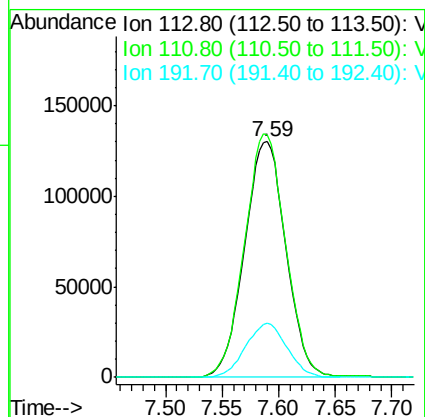
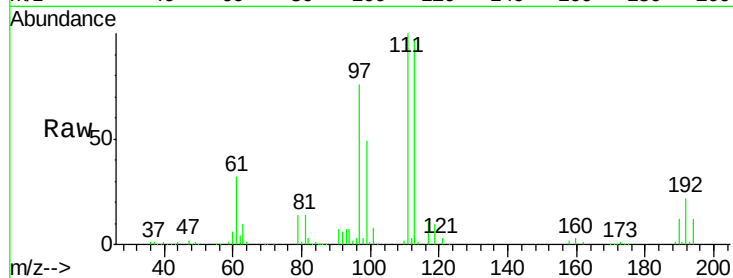




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

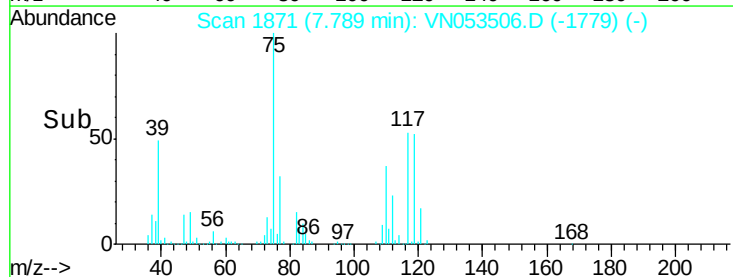
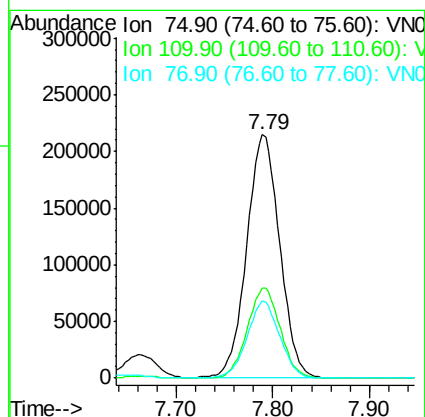
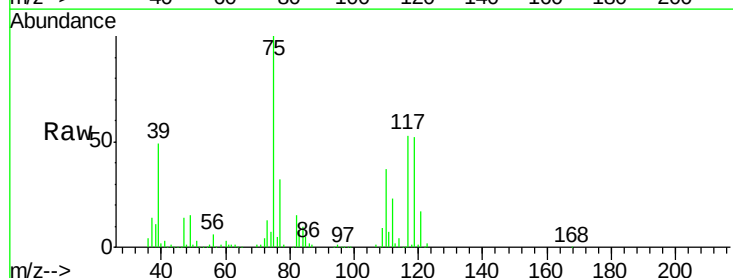
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

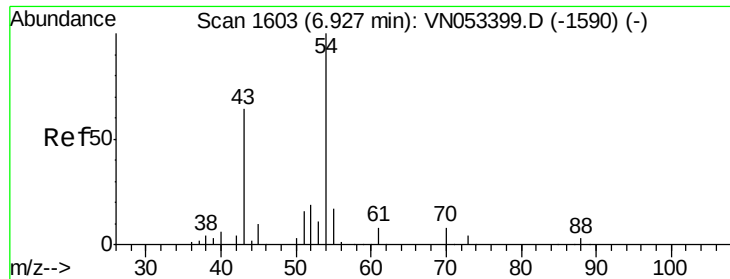
Tot Ion:113 Resp: 331346
Ion Ratio Lower Upper
113 100
111 103.0 81.1 121.7
192 22.8 18.2 27.2



#36
1,1-Dichloropropene
Concen: 49.942 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Tgt Ion: 75 Resp: 507759
Ion Ratio Lower Upper
75 100
110 36.9 18.1 54.3
77 31.5 25.1 37.7

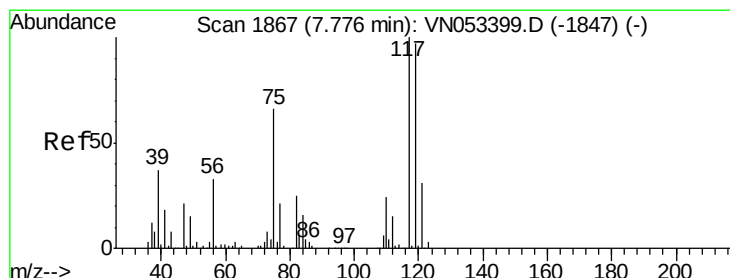
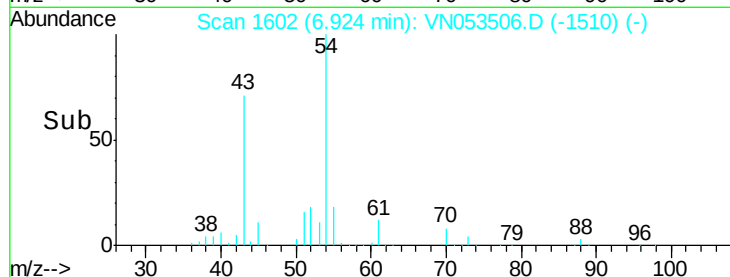
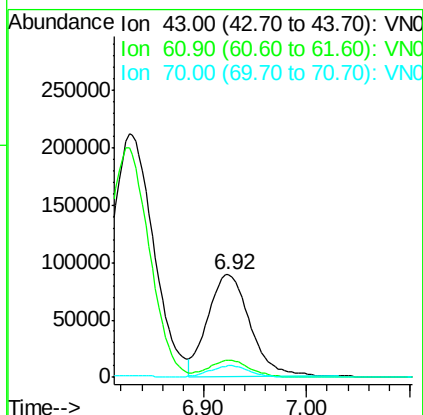
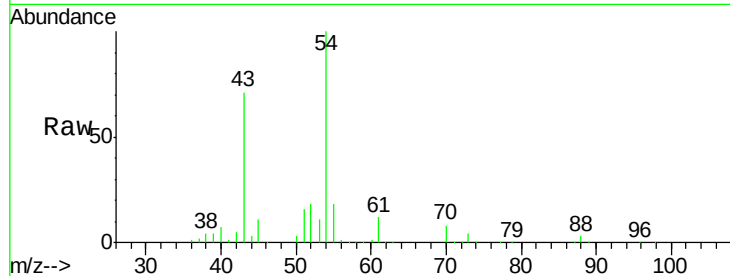




#37
Ethyl Acetate
Concen: 43.366 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

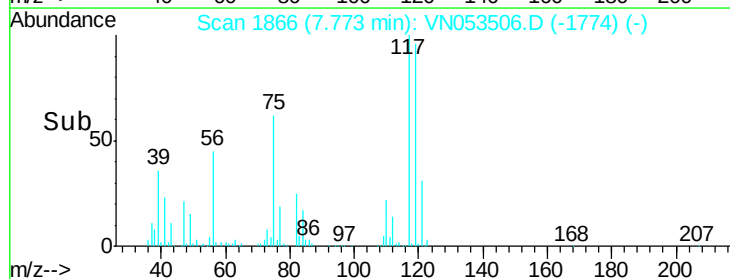
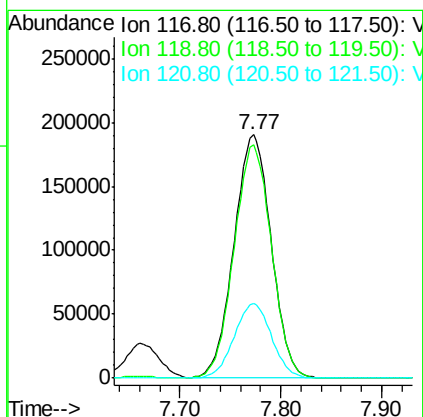
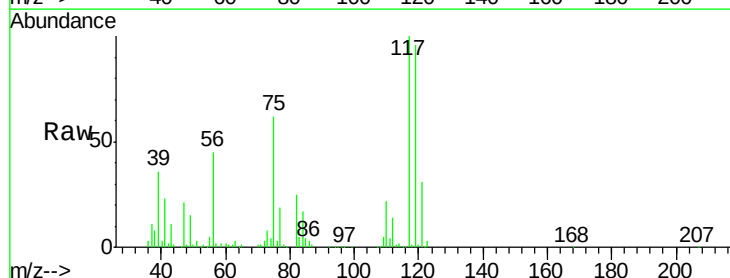
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

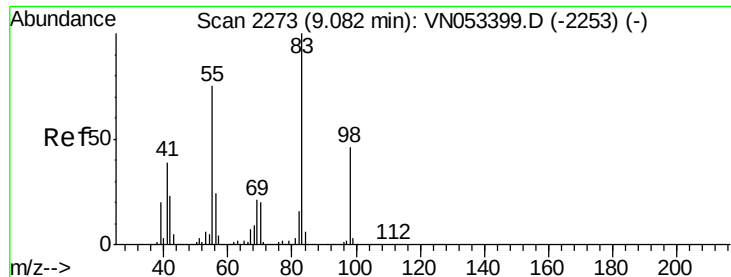
Tot Ion: 43 Resp: 253660
Ion Ratio Lower Upper
43 100
61 15.8 11.8 17.6
70 11.0 8.6 12.8



#38
Carbon Tetrachloride
Concen: 50.547 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Tgt Ion: 117 Resp: 486528
Ion Ratio Lower Upper
117 100
119 95.8 77.2 115.8
121 30.7 24.6 37.0

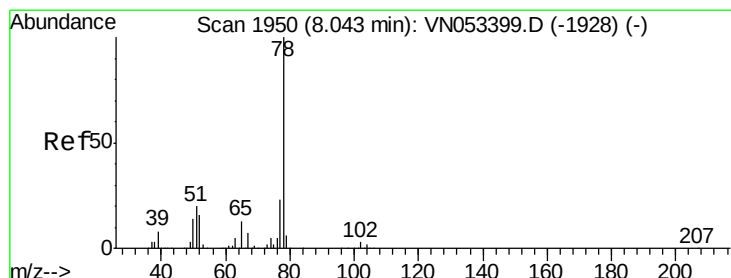
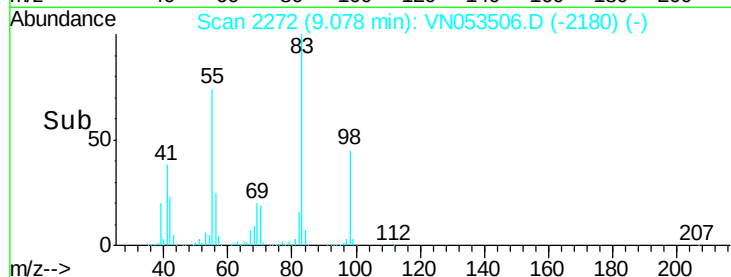
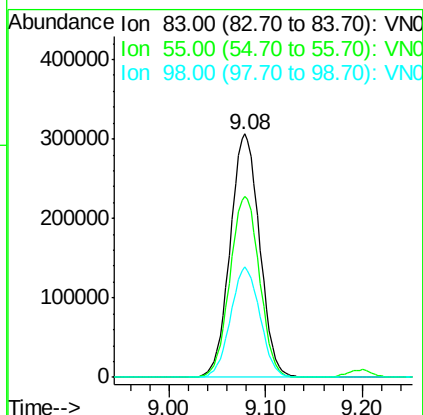
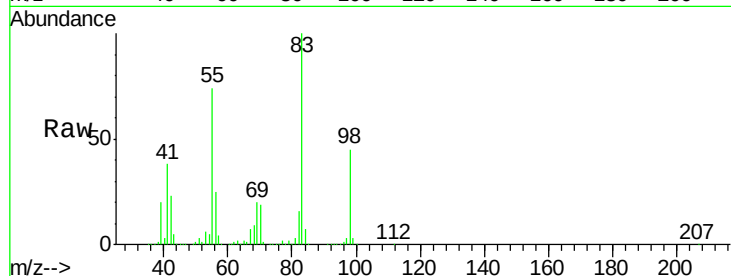




#39
Methylvlcyclohexane
Concen: 51.479 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

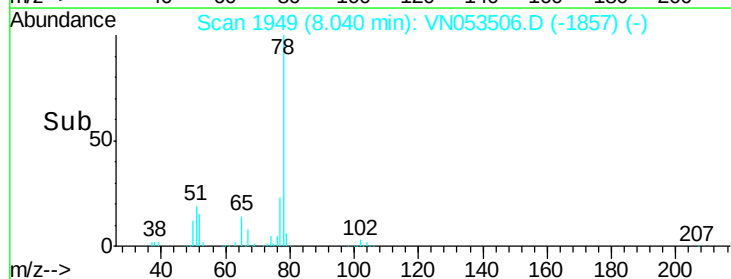
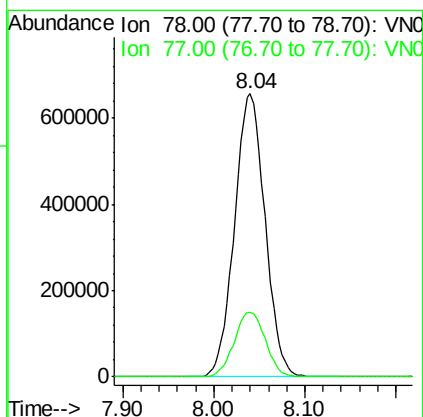
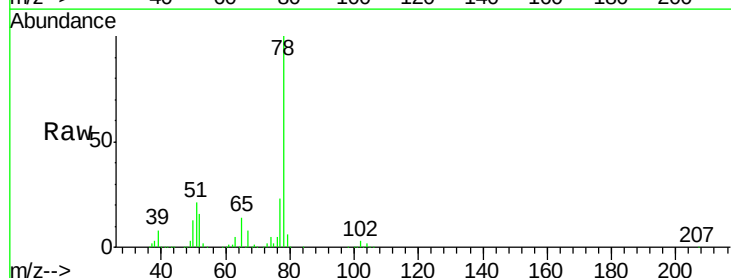
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

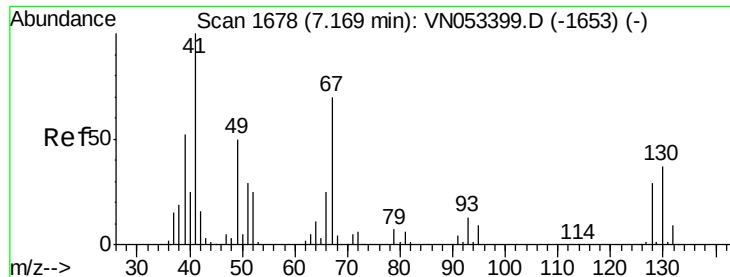
Tot Ion: 83 Resp: 646895
Ion Ratio Lower Upper
83 100
55 74.5 60.1 90.1
98 45.2 36.6 55.0



#40
Benzene
Concen: 49.460 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Tgt Ion: 78 Resp: 1528078
Ion Ratio Lower Upper
78 100
77 22.7 18.8 28.2

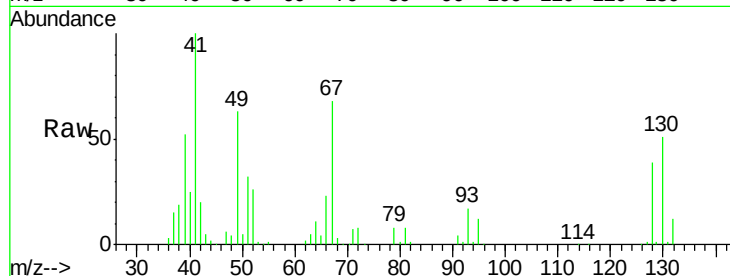




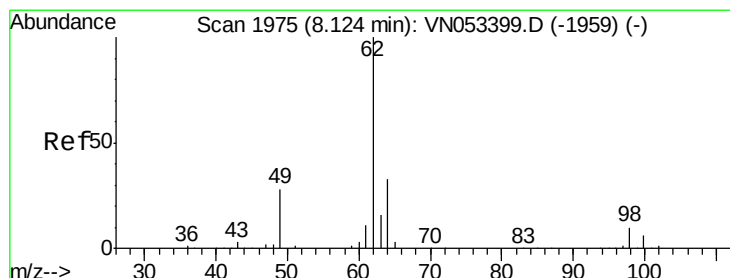
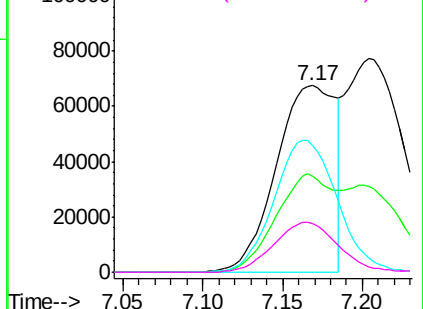
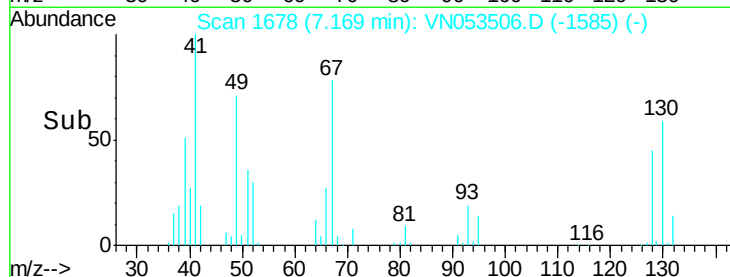
#41
Methacrylonitrile
Concen: 50.181 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 174421
Ion Ratio Lower Upper
41 100
39 50.8 46.8 70.2
67 75.4 63.0 94.6
52 29.0 23.8 35.8

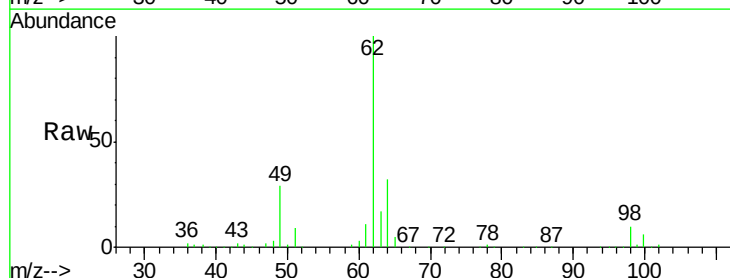


Abundance Ion 41.00 (40.70 to 41.70): VNC
120000 Ion 39.00 (38.70 to 39.70): VNC
100000 Ion 67.00 (66.70 to 67.70): VNC
80000 Ion 52.00 (51.70 to 52.70): VNC

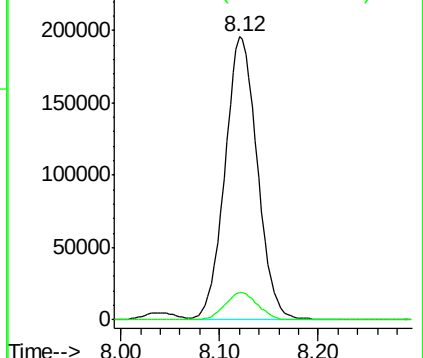
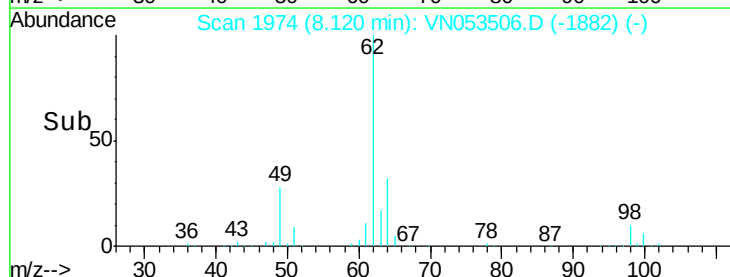


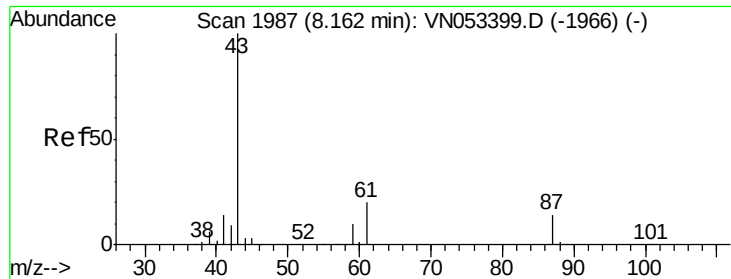
#42
1,2-Dichloroethane
Concen: 49.540 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Tgt Ion: 62 Resp: 445894
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
200000 Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 46.025 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

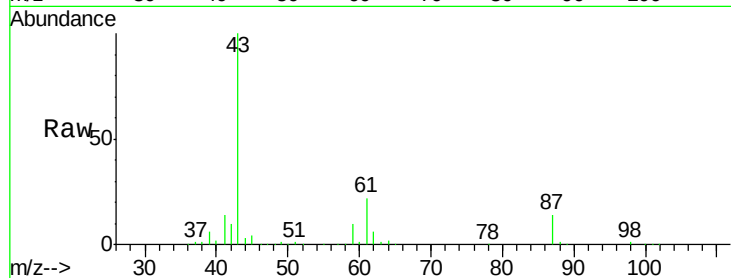
Tot Ion: 43 Resp: 484079

Ion Ratio Lower Upper

43 100

61 31.1 23.9 35.9

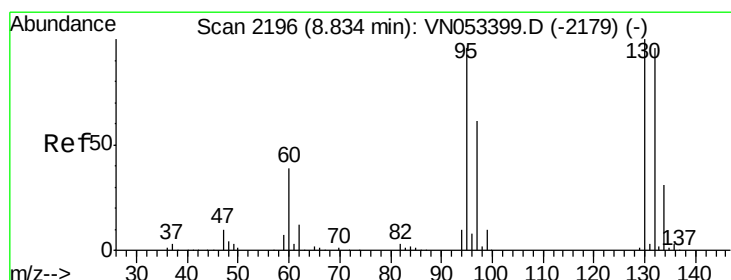
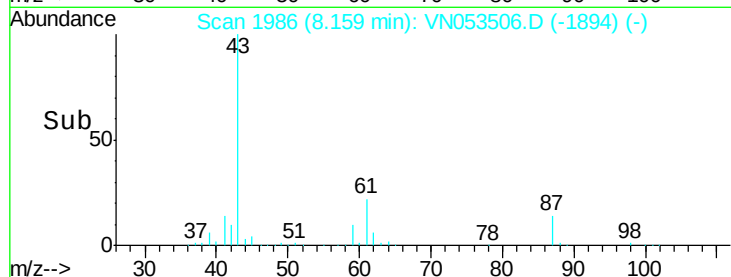
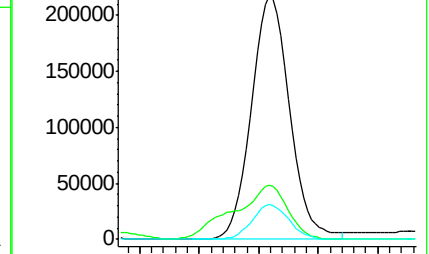
87 13.8 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)



#44

Trichloroethene

Concen: 50.833 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053506.D

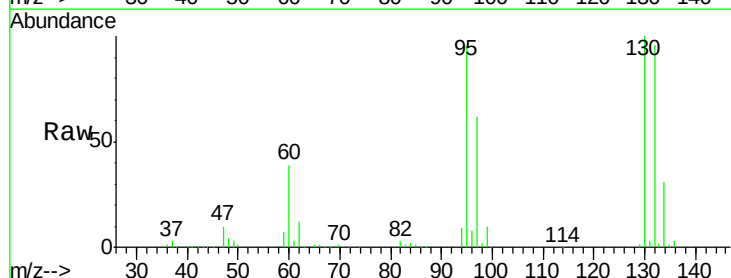
Acq: 21 Jan 2019 15:13

Tgt Ion:130 Resp: 435521

Ion Ratio Lower Upper

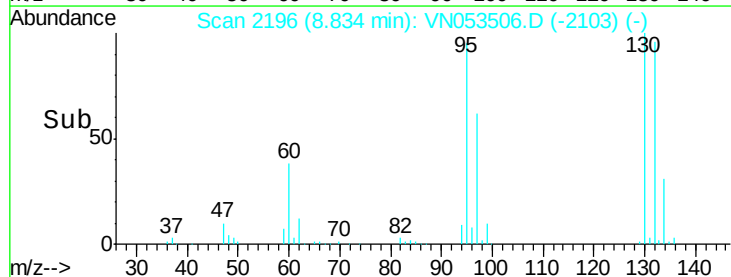
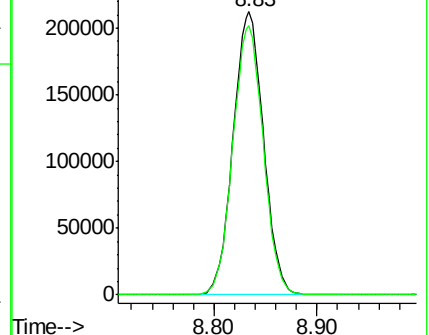
130 100

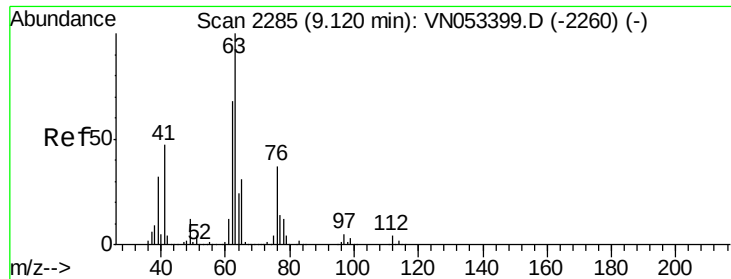
95 95.0 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)

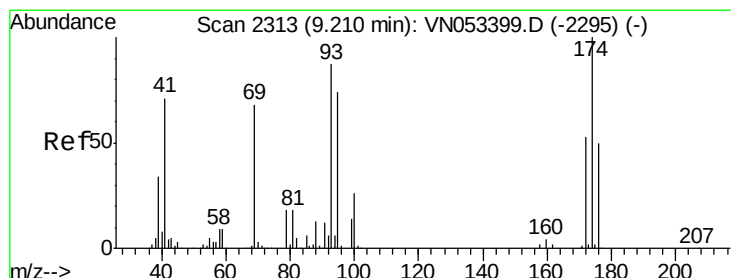
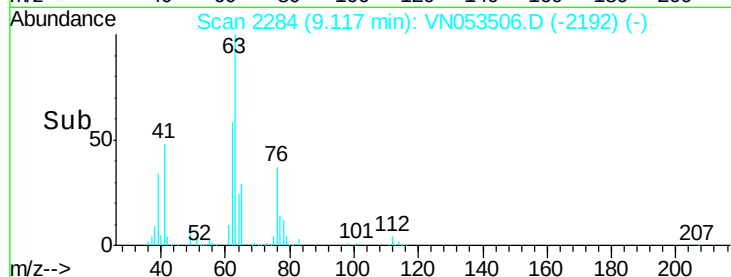
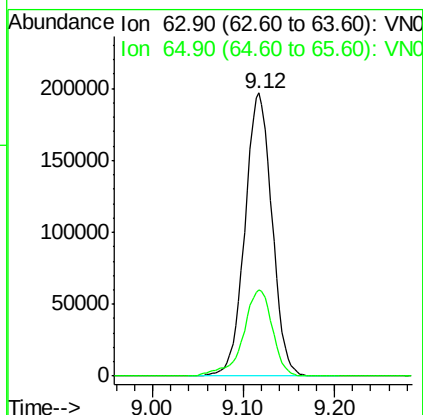
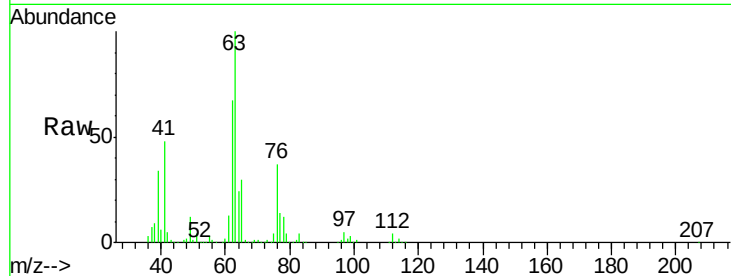




#45
 1,2-Dichloropropane
 Concen: 49.687 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

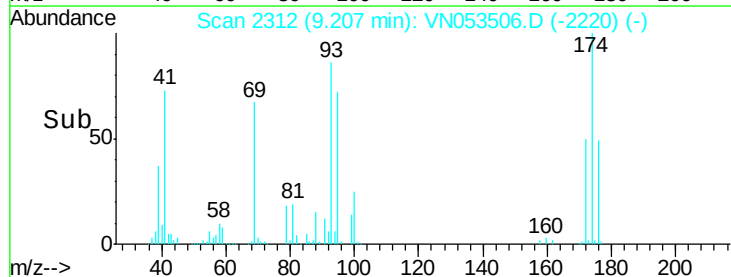
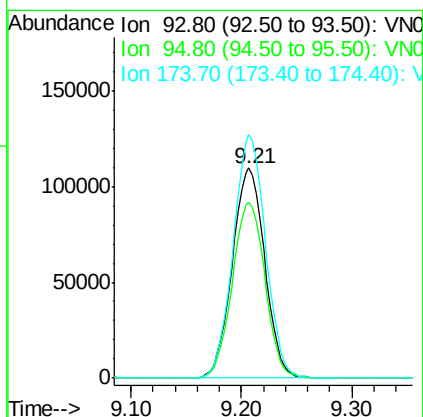
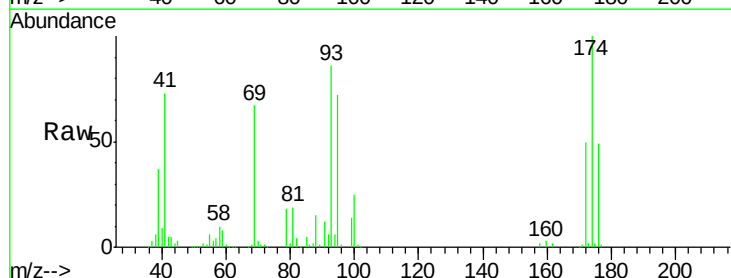
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

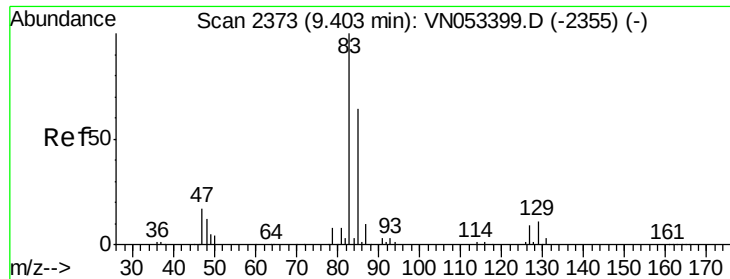
Tot Ion: 63 Resp: 406596
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4



#46
 Dibromomethane
 Concen: 47.656 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

Tgt Ion: 93 Resp: 224059
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.3 100.9
 174 115.2 91.0 136.4





#47

Bromodichloromethane

Concen: 49.857 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

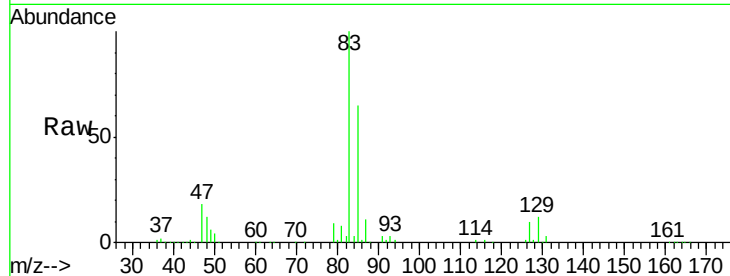
Tot Ion: 83 Resp: 492956

Ion Ratio Lower Upper

83 100

85 64.8 51.0 76.6

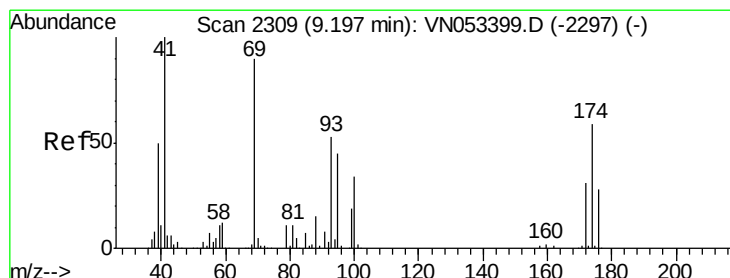
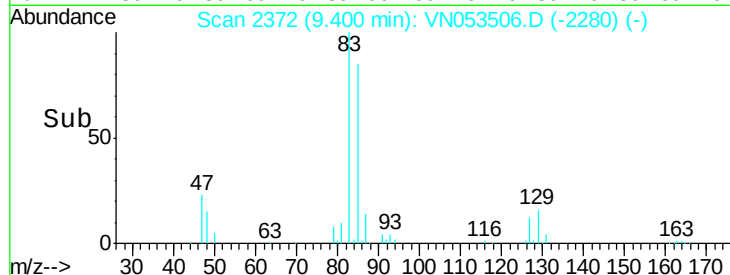
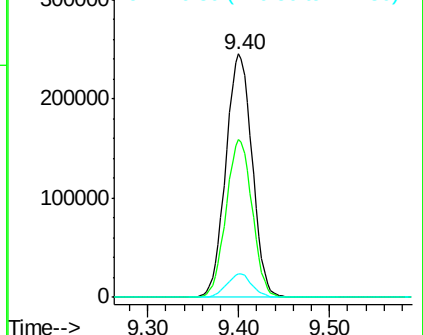
127 9.5 7.0 10.6



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): VN0



#48

Methyl methacrylate

Concen: 45.128 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

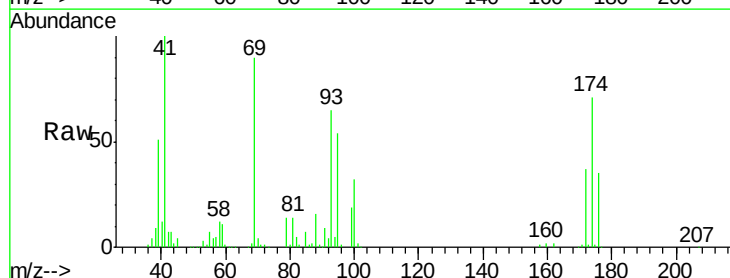
Tgt Ion: 41 Resp: 245071

Ion Ratio Lower Upper

41 100

69 92.9 73.8 110.6

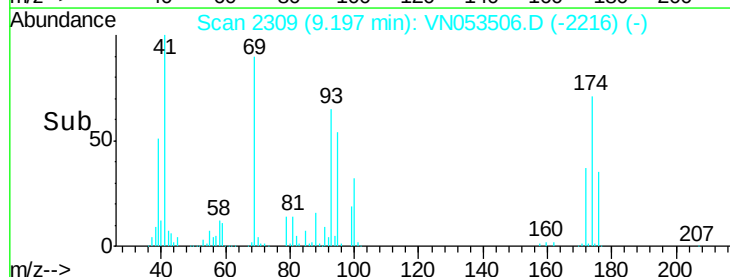
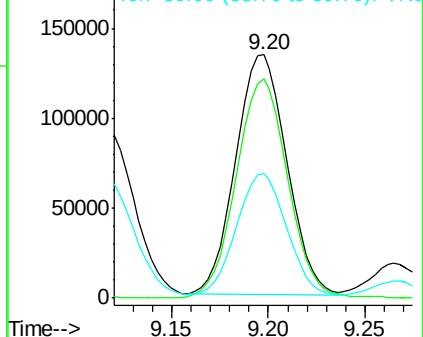
39 52.4 40.0 60.0

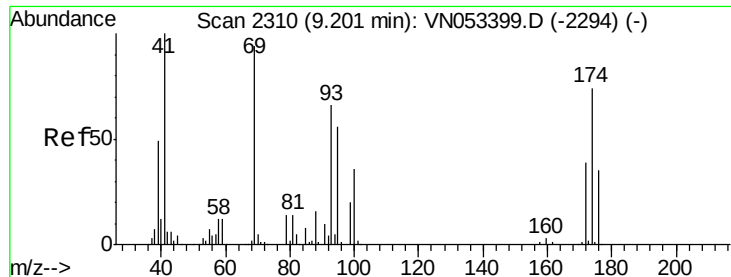


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 878.100 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

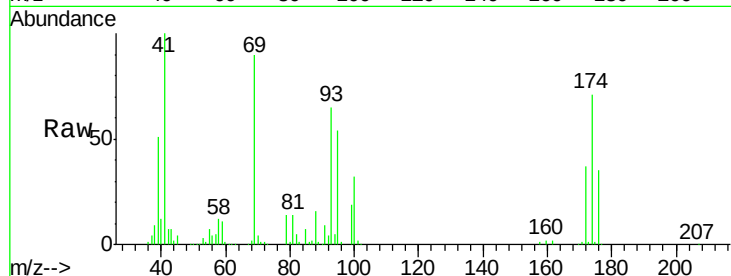
Tot Ion: 88 Resp: 46571

Ion Ratio Lower Upper

88 100

43 38.2 27.8 41.6

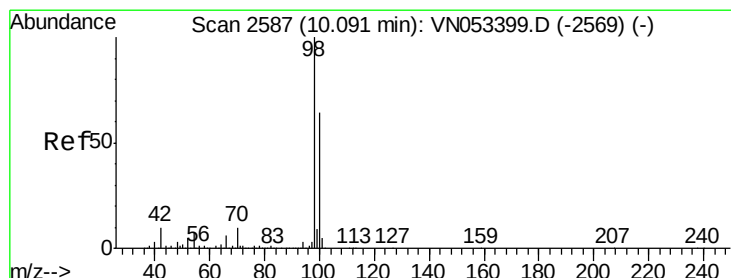
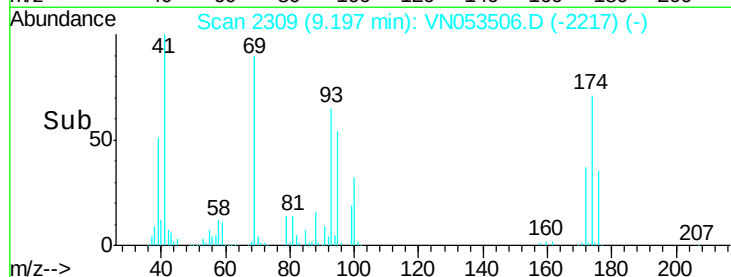
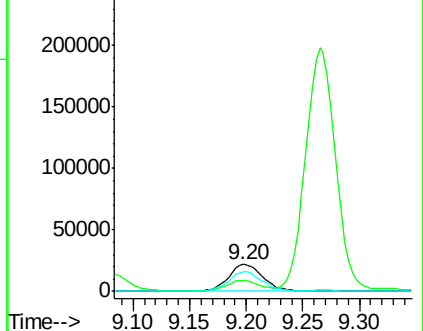
58 71.8 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053399.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053399.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2294) (-)



#50

Toluene-d8

Concen: 878.100 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053506.D

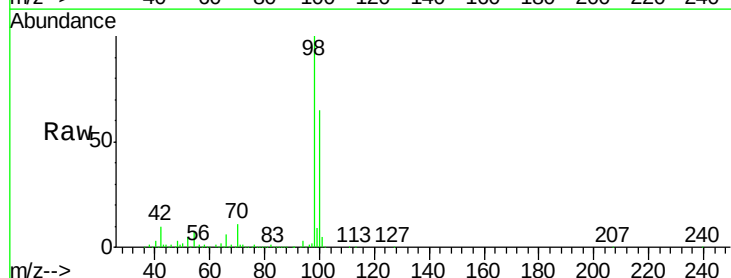
Acq: 21 Jan 2019 15:13

Tgt Ion: 98 Resp: 1351739

Ion Ratio Lower Upper

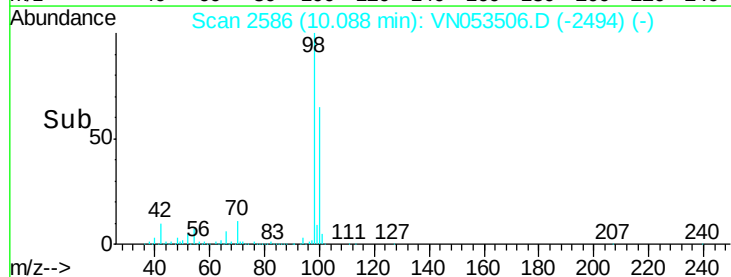
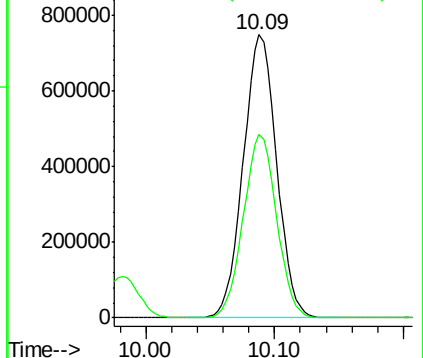
98 100

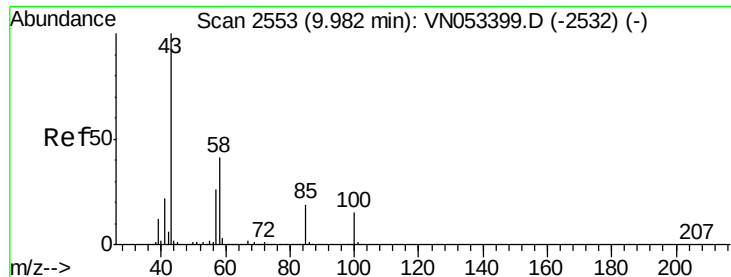
100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)

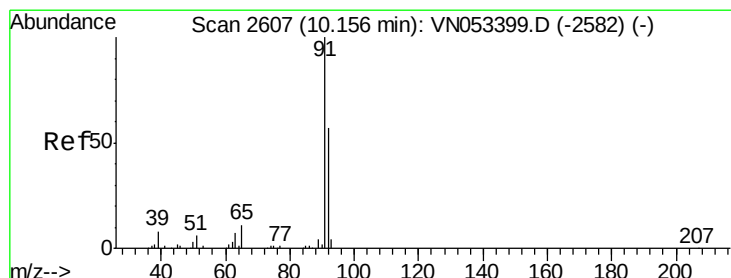
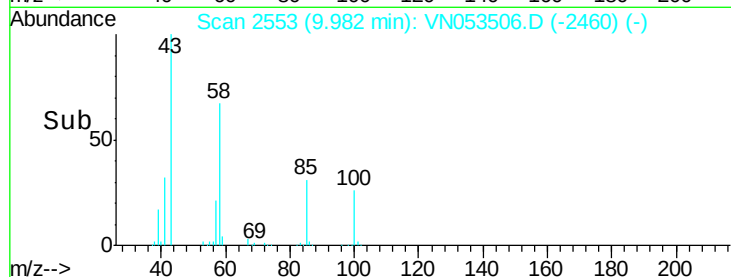
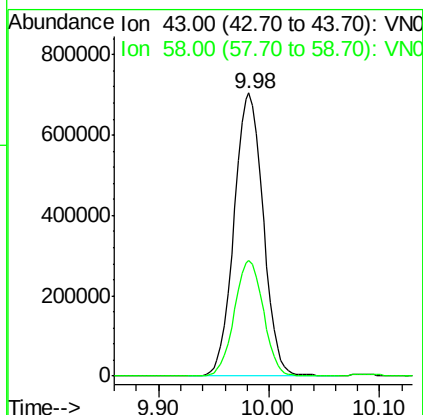
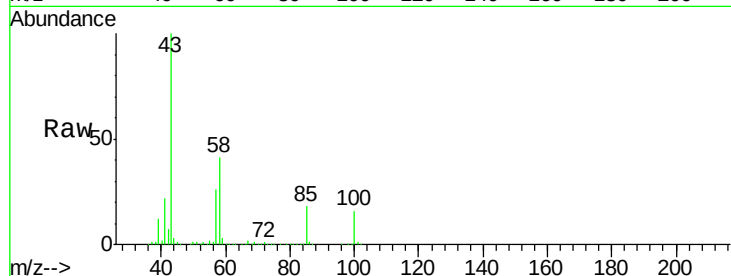




#51
 4-Methyl-2-Pentanone
 Concen: 224.063 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

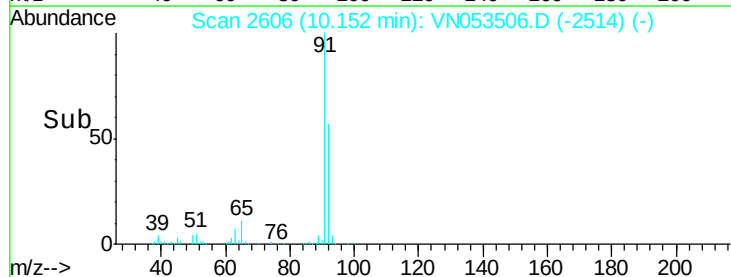
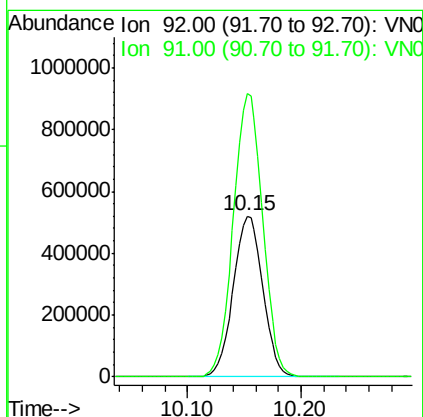
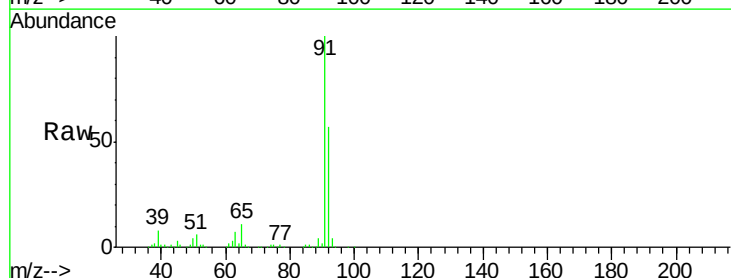
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

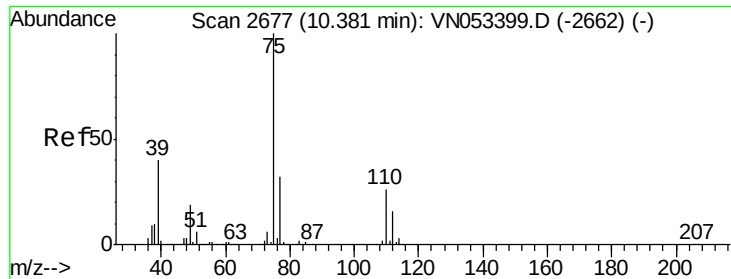
Tot Ion: 43 Resp: 1286472
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.8 49.2



#52
 Toluene
 Concen: 49.258 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

Tgt Ion: 92 Resp: 944786
 Ion Ratio Lower Upper
 92 100
 91 175.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 50.182 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

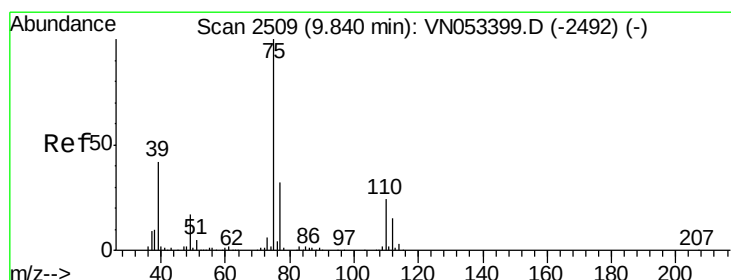
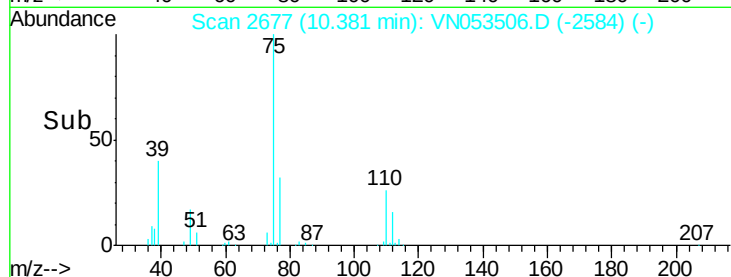
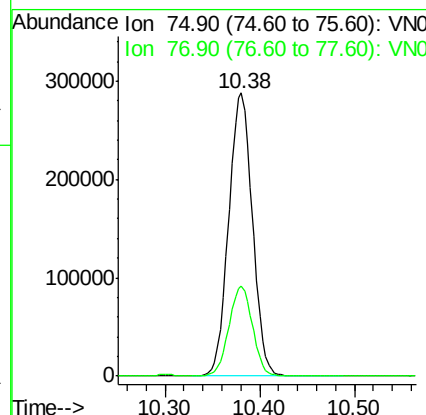
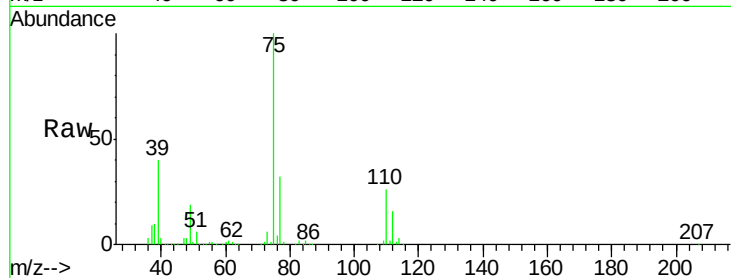
VSTDCCC050EC

Tot Ion: 75 Resp: 502917

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 51.395 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

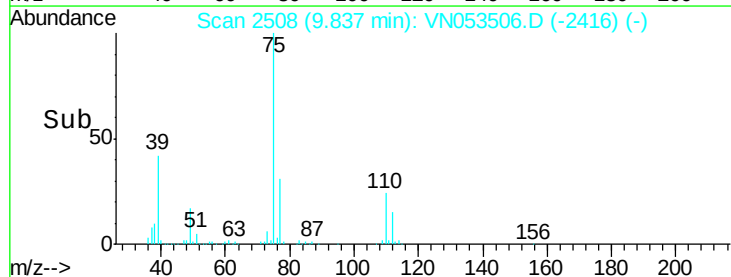
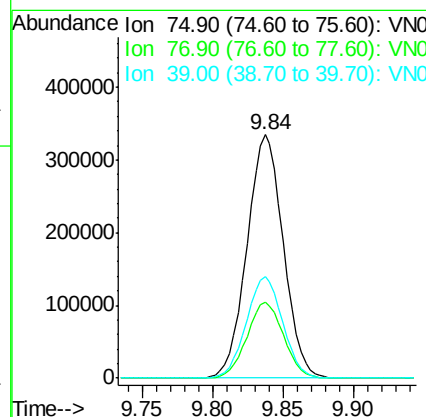
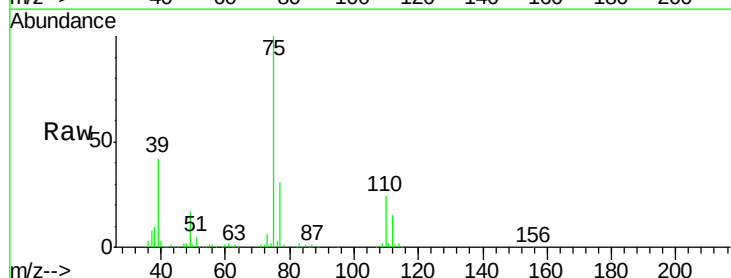
Tgt Ion: 75 Resp: 603790

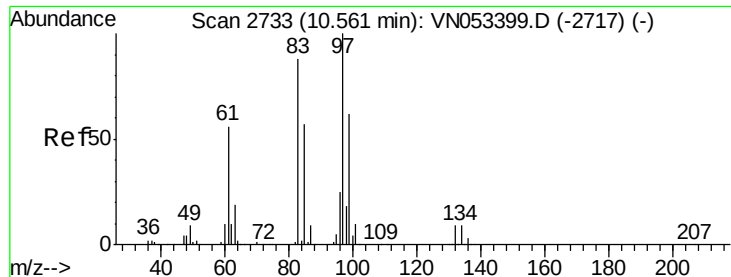
Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6

39 41.5 33.4 50.0

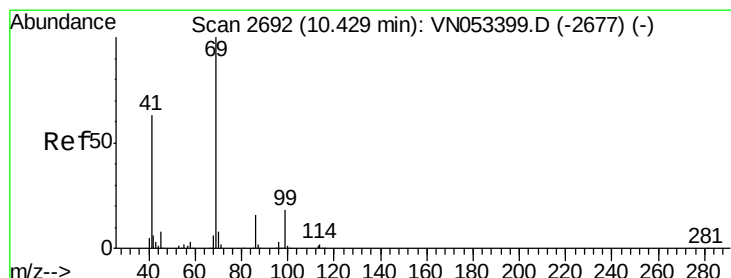
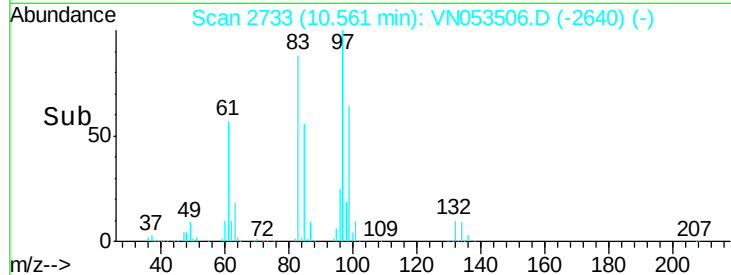
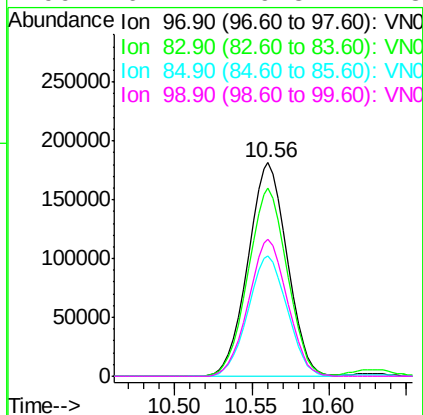
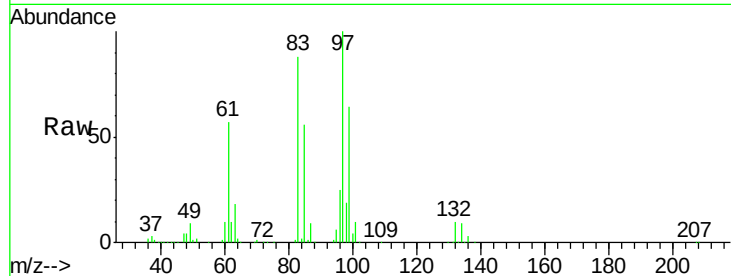




#55
 1,1,2-Trichloroethane
 Concen: 48.553 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

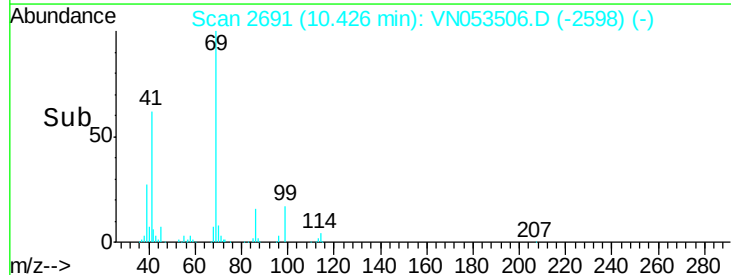
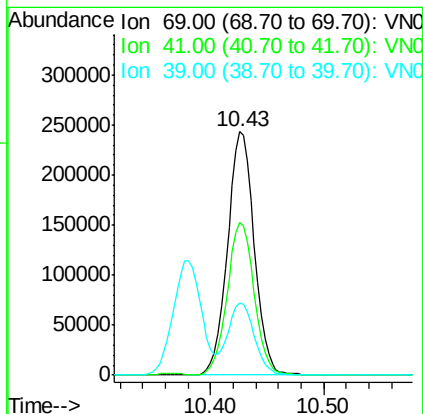
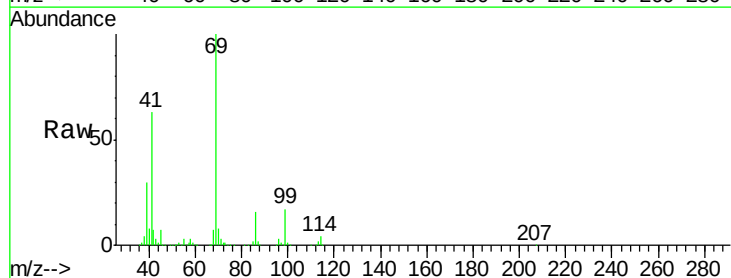
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

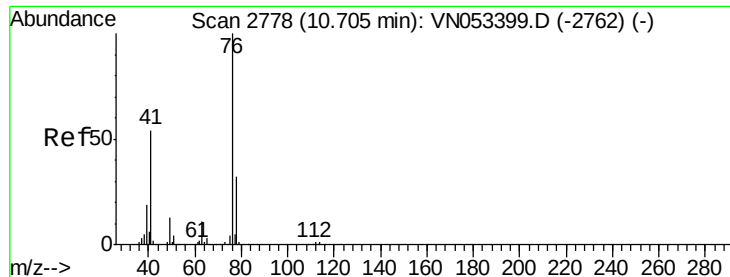
Tot Ion: 97 Resp: 321065
 Ion Ratio Lower Upper
 97 100
 83 87.9 70.1 105.1
 85 56.3 45.4 68.0
 99 64.2 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 42.840 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

Tgt Ion: 69 Resp: 399149
 Ion Ratio Lower Upper
 69 100
 41 62.7 49.4 74.0
 39 29.0 23.3 34.9





#57

1,3-Dichloropropane

Concen: 48.651 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

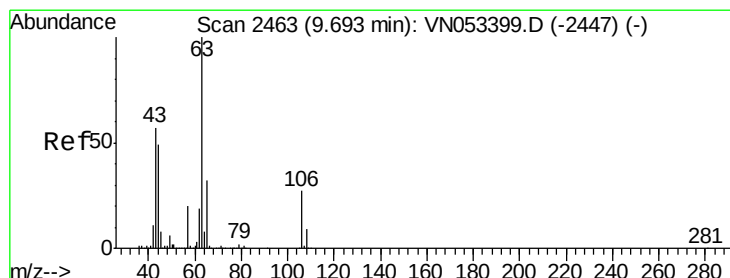
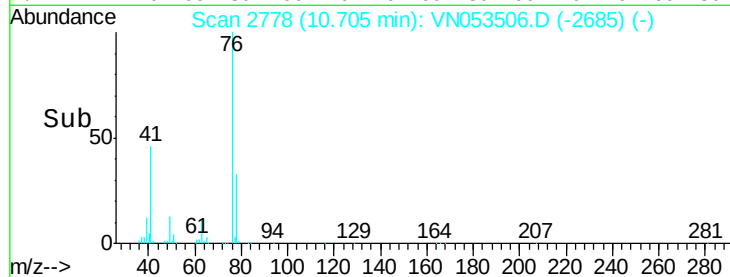
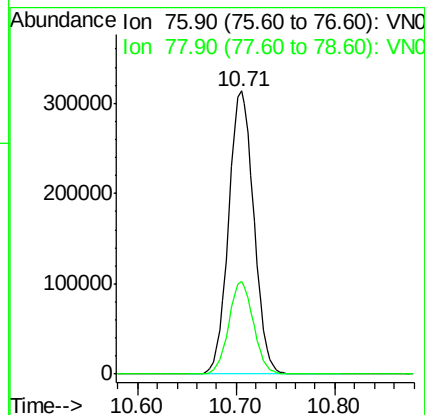
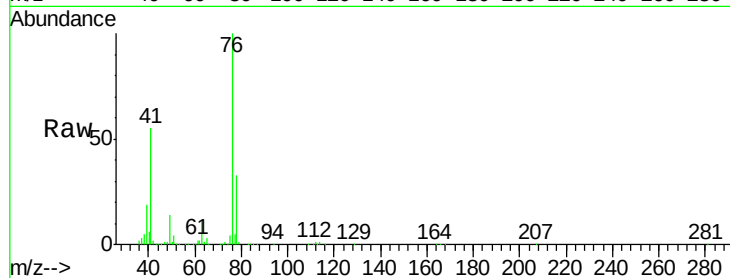
VSTDCCC050EC

Tot Ion: 76 Resp: 556533

Ion Ratio Lower Upper

76 100

78 32.1 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 238.888 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053506.D

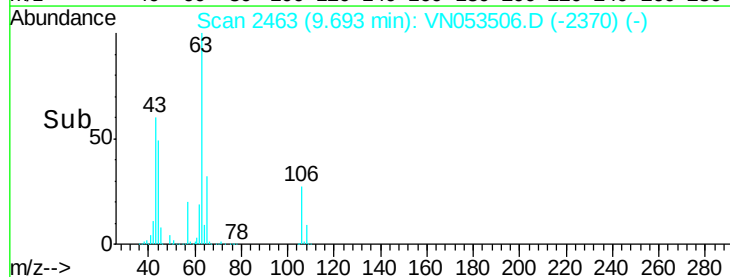
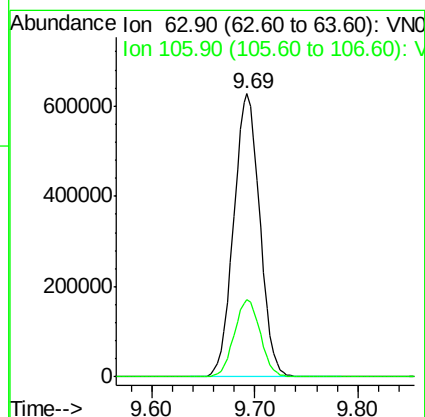
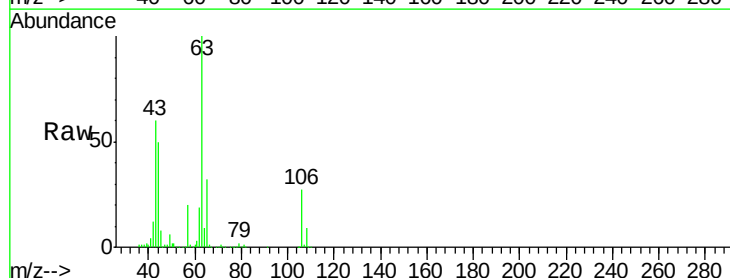
Acq: 21 Jan 2019 15:13

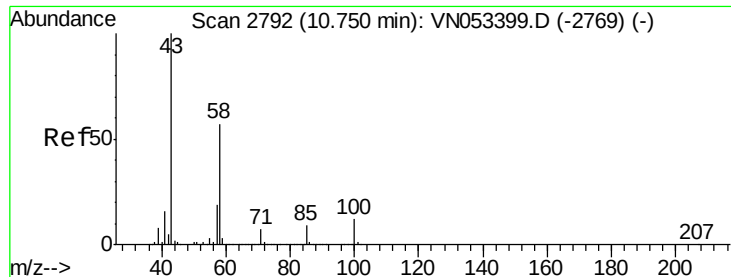
Tgt Ion: 63 Resp: 1105139

Ion Ratio Lower Upper

63 100

106 27.2 21.5 32.3

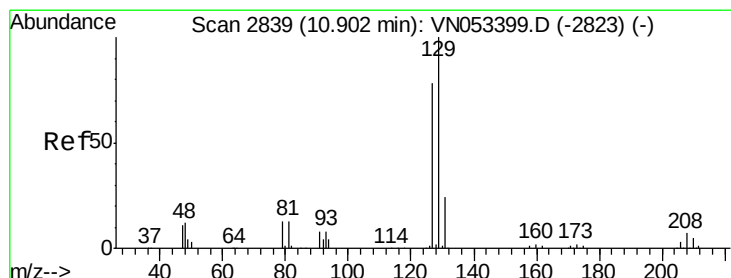
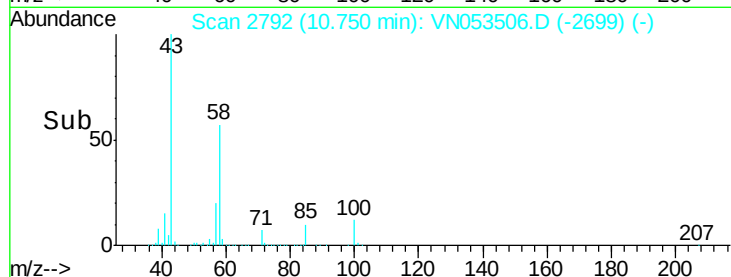
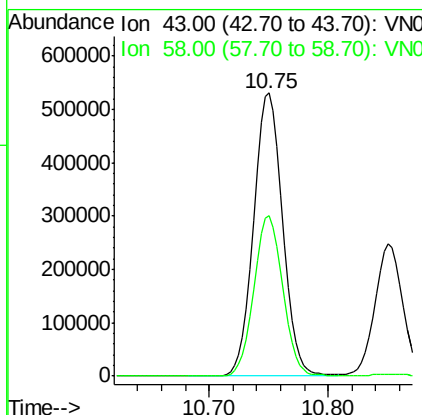
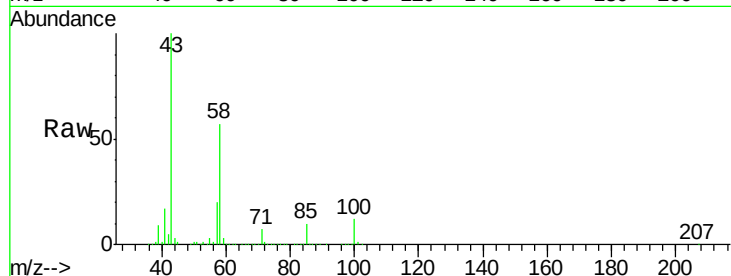




#59
2-Hexanone
Concen: 221.986 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

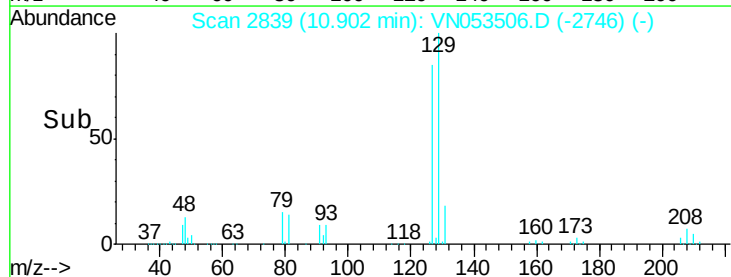
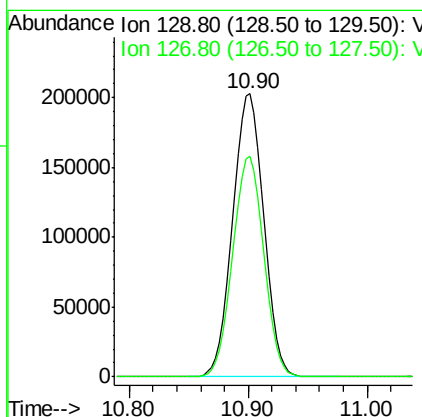
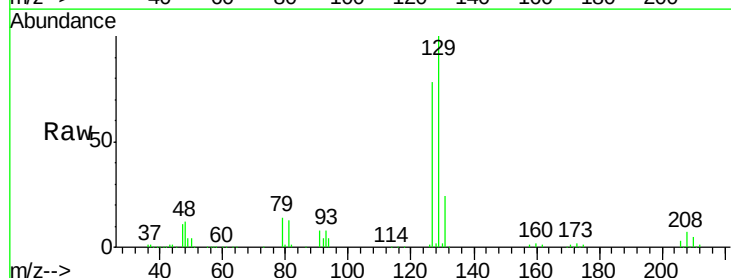
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

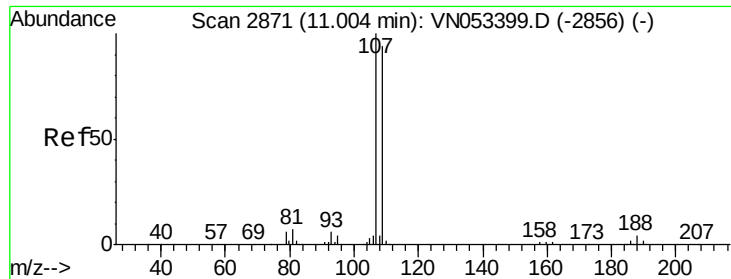
Tot Ion: 43 Resp: 894719
Ion Ratio Lower Upper
43 100
58 56.7 28.6 85.8



#60
Dibromochloromethane
Concen: 49.016 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Tgt Ion: 129 Resp: 367628
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8

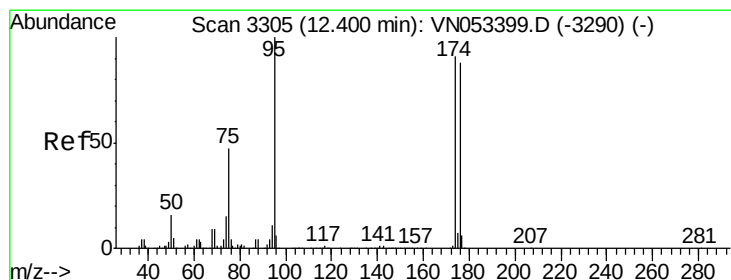
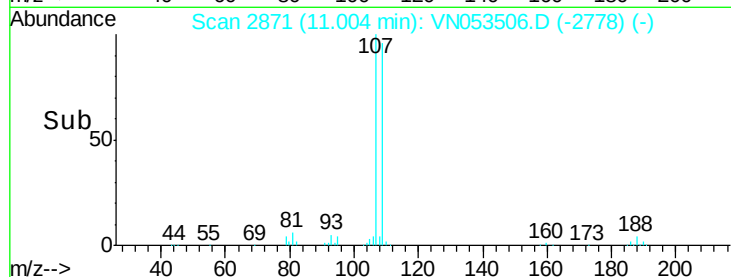
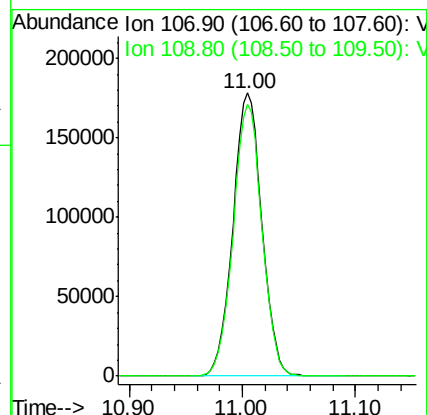
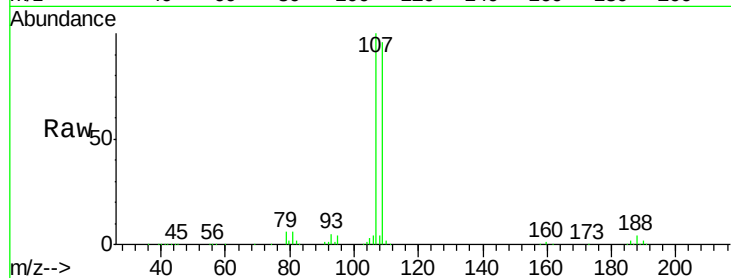




#61
1,2-Dibromoethane
Concen: 47.261 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

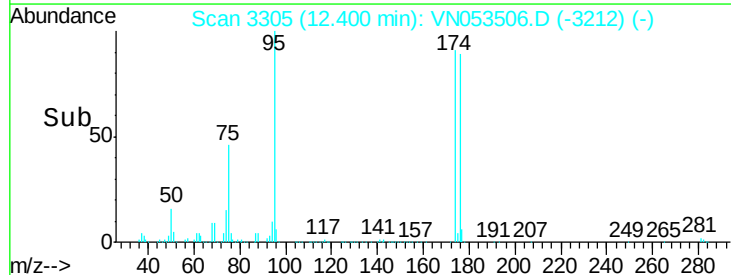
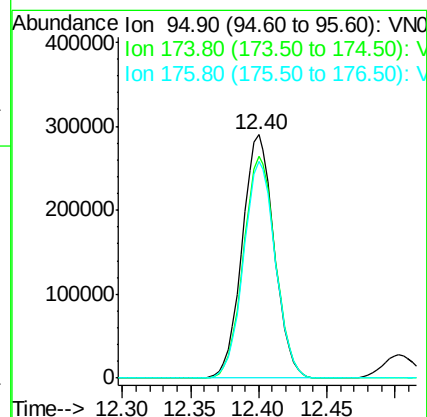
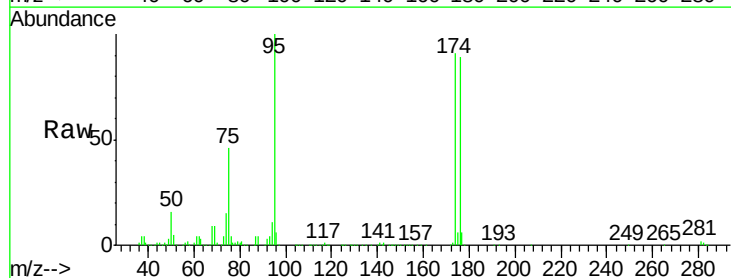
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

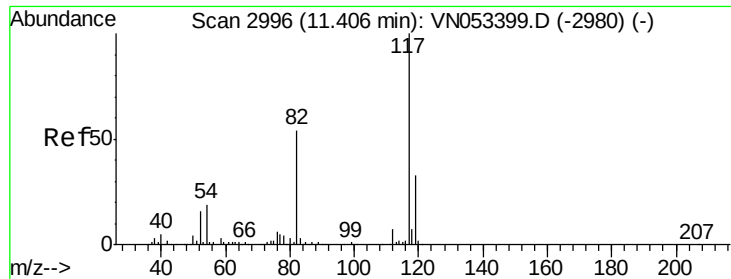
Tot Ion: 107 Resp: 316074
Ion Ratio Lower Upper
107 100
109 95.9 75.7 113.5



#62
4-Bromofluorobenzene
Concen: 47.261 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Tgt Ion: 95 Resp: 471381
Ion Ratio Lower Upper
95 100
174 91.4 0.0 183.2
176 88.8 0.0 177.4

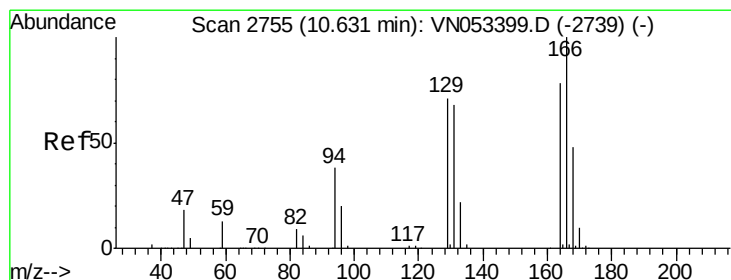
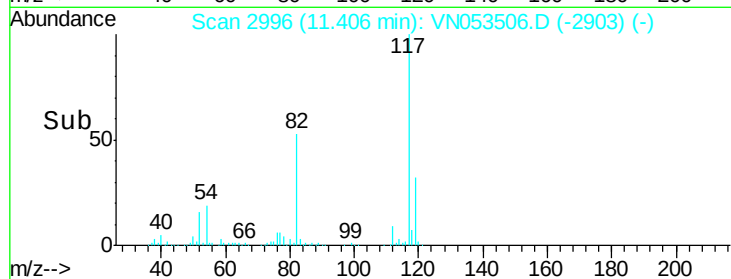
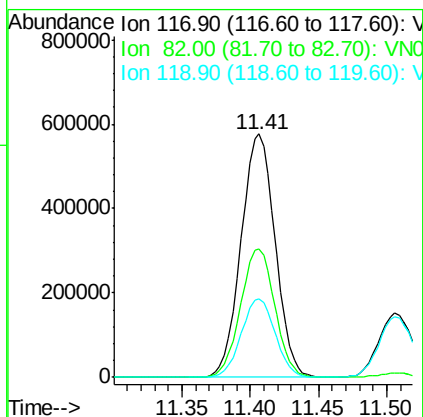
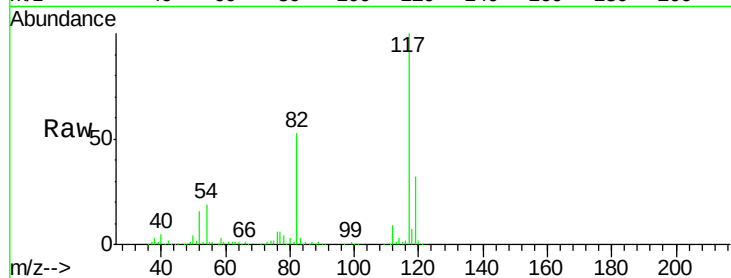




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

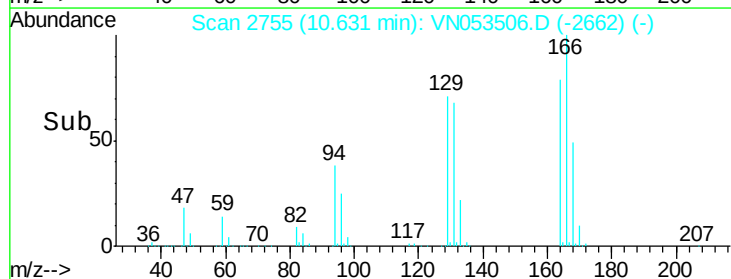
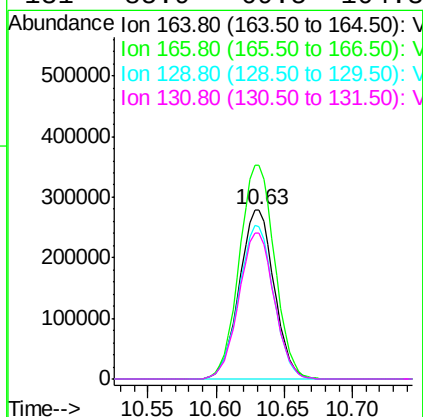
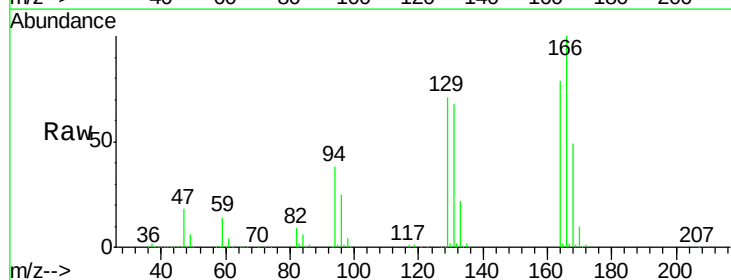
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

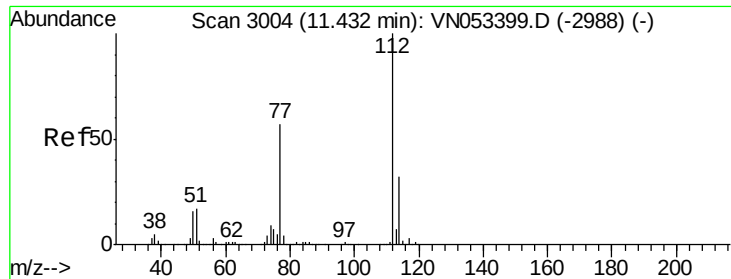
Tot Ion:117 Resp: 1000926
Ion Ratio Lower Upper
117 100
82 52.9 42.9 64.3
119 32.5 26.0 39.0



#64
Tetrachloroethene
Concen: 52.338 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Tgt Ion:164 Resp: 493681
Ion Ratio Lower Upper
164 100
166 125.8 102.2 153.4
129 89.9 72.6 109.0
131 85.9 69.5 104.3





#65

Chlorobenzene

Concen: 50.561 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

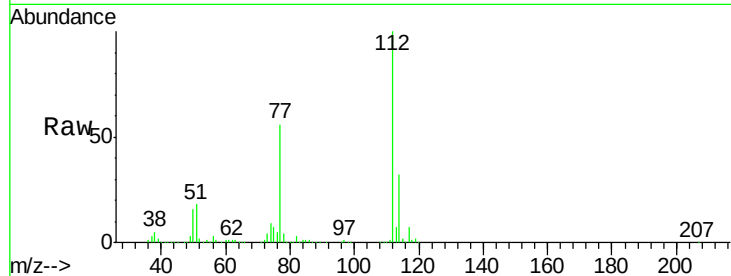
VSTDCCC050EC

Tot Ion:112 Resp: 1071196

Ion Ratio Lower Upper

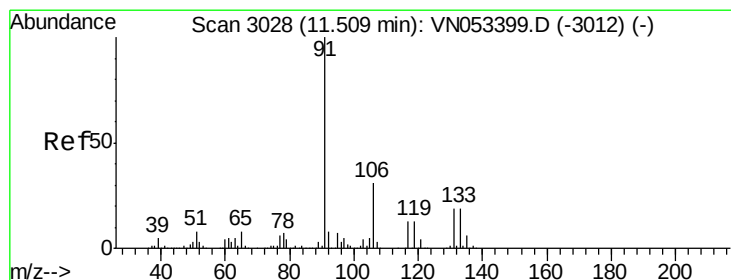
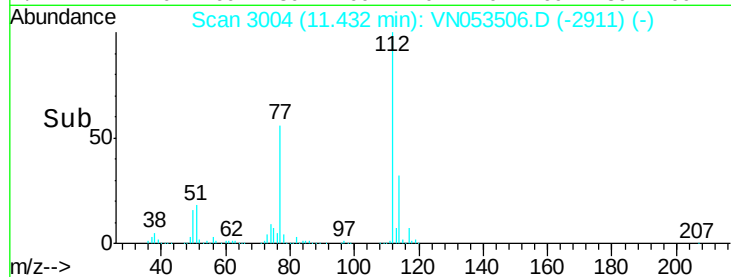
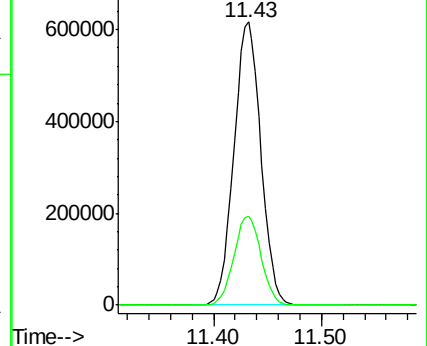
112 100

114 31.6 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.547 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

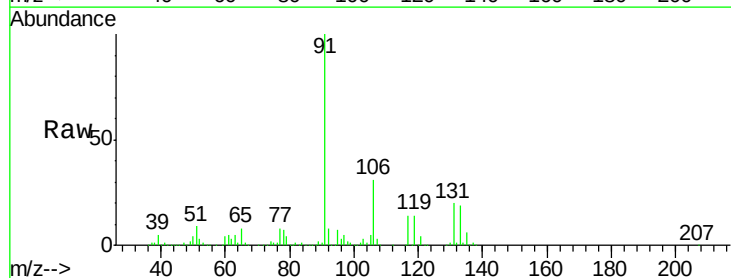
Tgt Ion:131 Resp: 379925

Ion Ratio Lower Upper

131 100

133 94.7 48.0 144.0

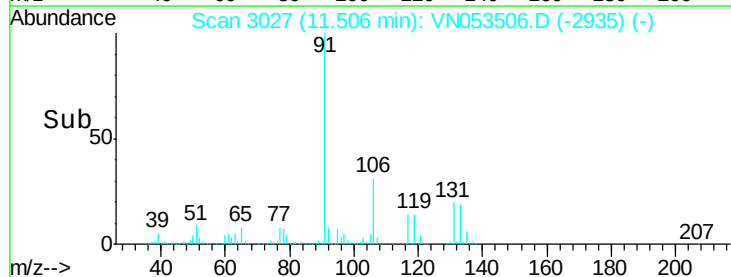
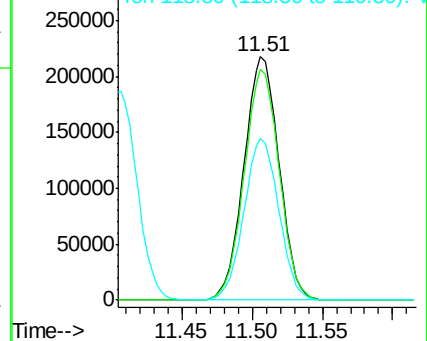
119 66.0 33.5 100.5

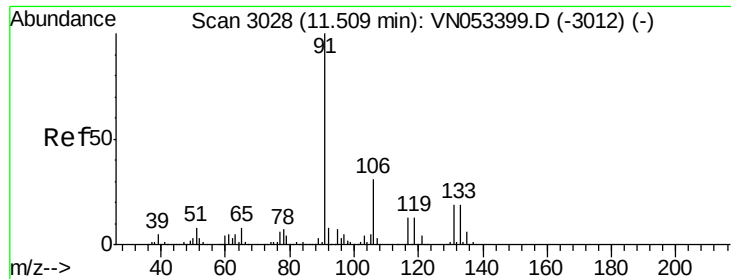


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.770 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

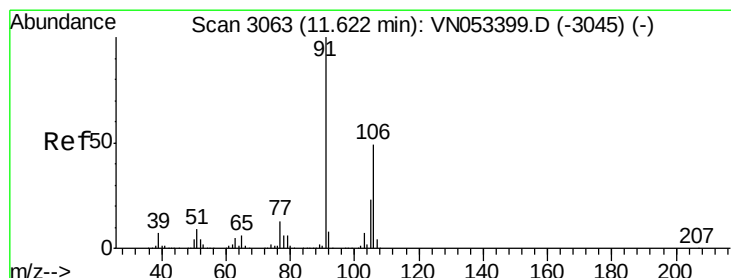
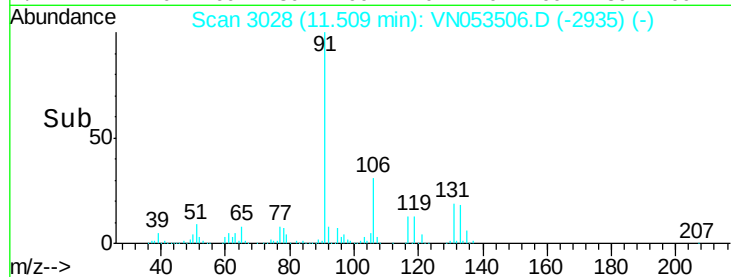
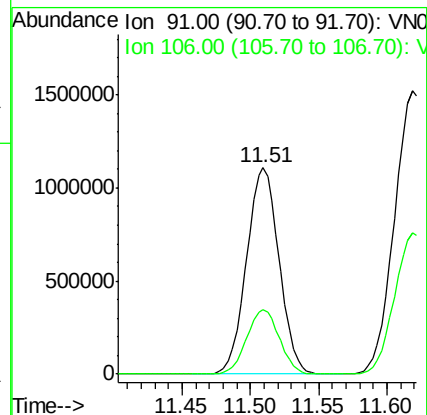
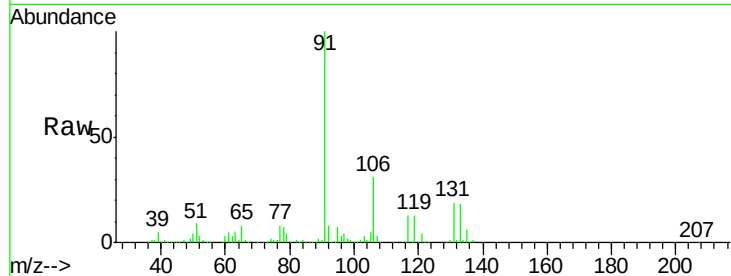
VSTDCCC050EC

Tot Ion: 91 Resp: 1833129

Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.6



#68

m/p-Xylenes

Concen: 104.265 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053506.D

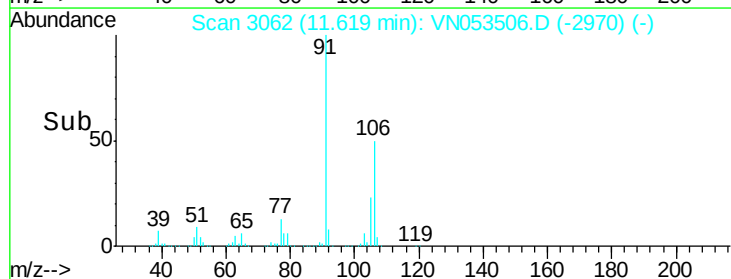
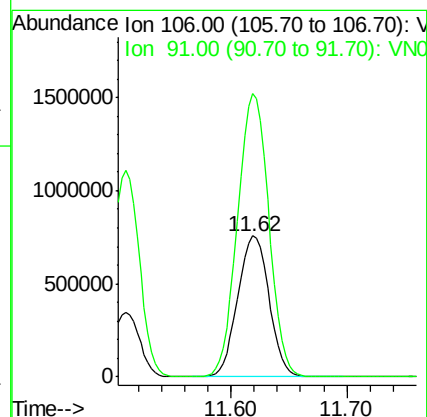
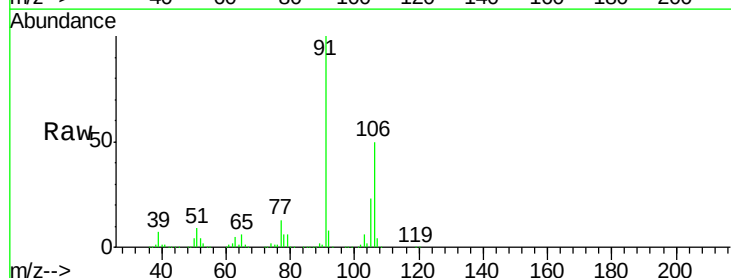
Acq: 21 Jan 2019 15:13

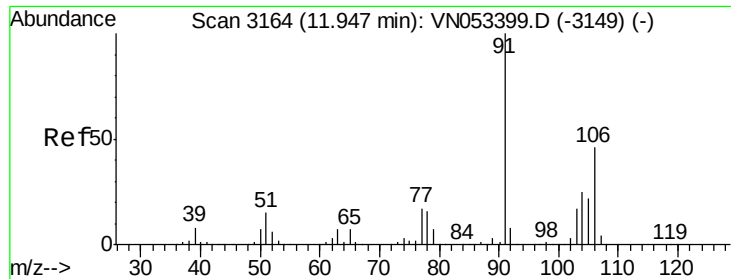
Tgt Ion: 106 Resp: 1421366

Ion Ratio Lower Upper

106 100

91 200.4 161.4 242.2

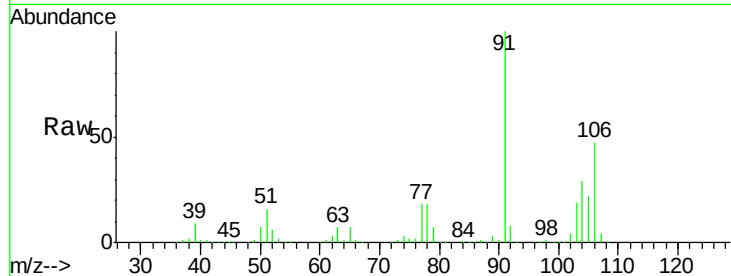




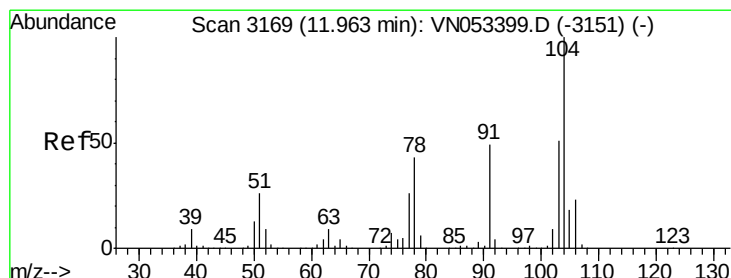
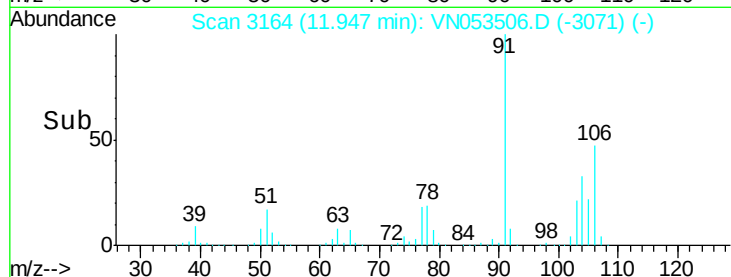
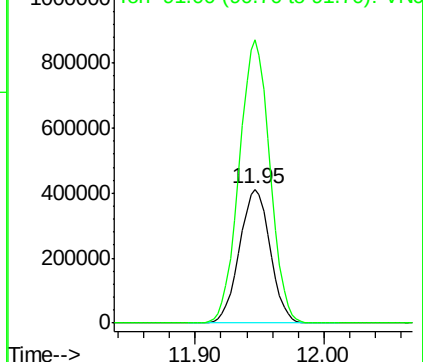
#69
o-Xylene
Concen: 51.586 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 683324
Ion Ratio Lower Upper
106 100
91 211.1 106.9 320.8

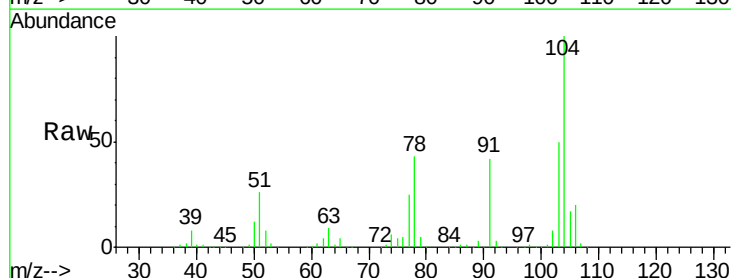


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

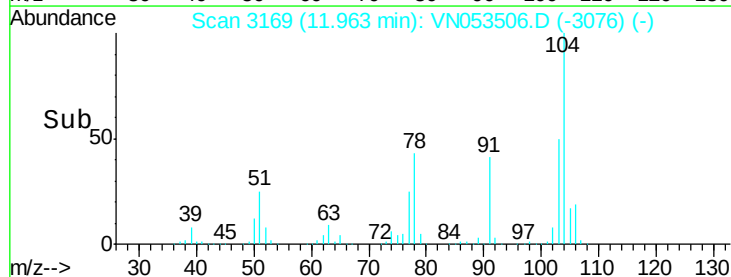
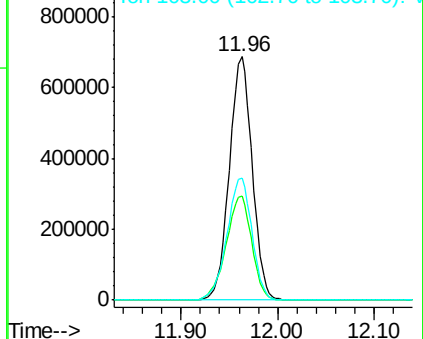


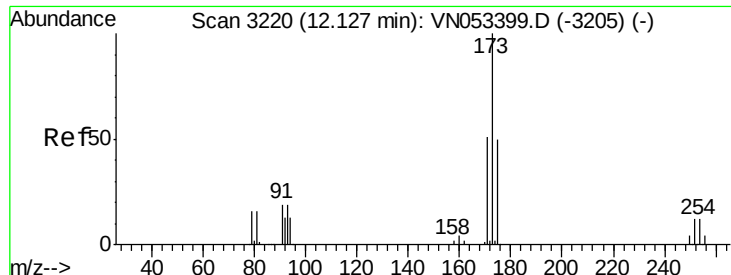
#70
Styrene
Concen: 52.493 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Tgt Ion:104 Resp: 1128527
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 54.9 44.4 66.6



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

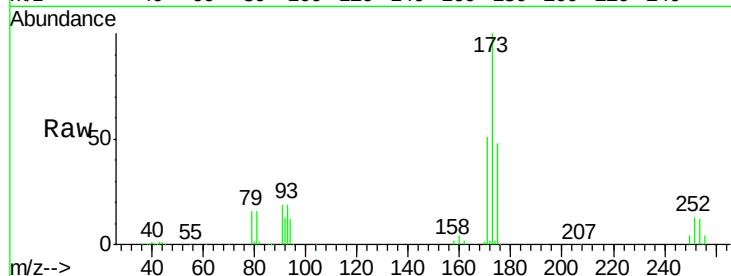




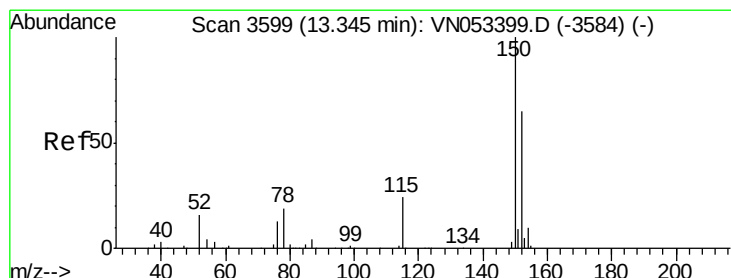
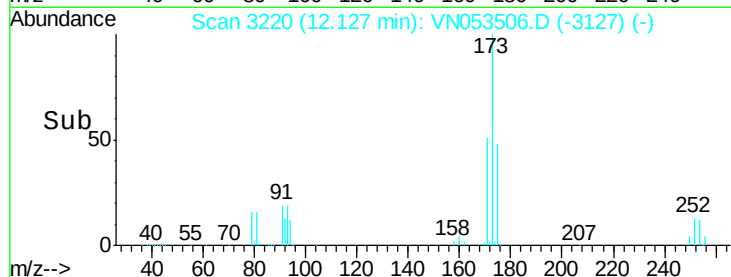
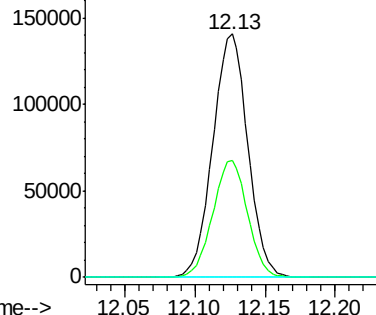
#71
Bromoform
Concen: 48.194 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 244539
Ion Ratio Lower Upper
173 100
175 47.6 24.6 74.0
254 0.1 0.2 0.2#

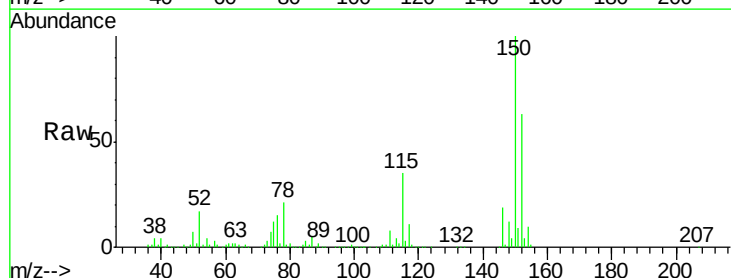


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

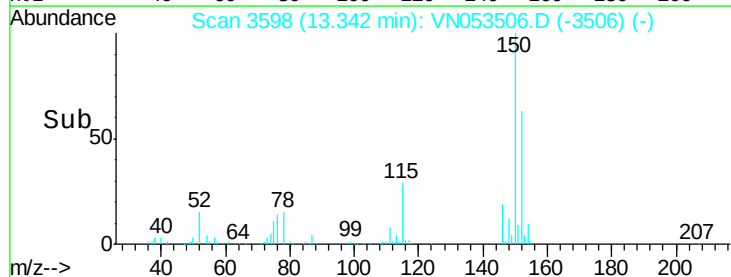
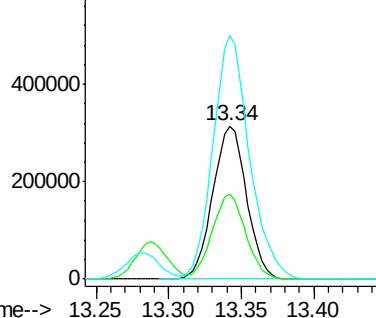


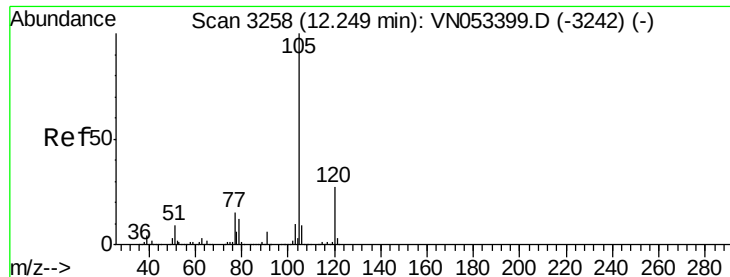
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Tgt Ion:152 Resp: 508189
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.4
150 172.0 0.0 349.0



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





#73

Isopropylbenzene

Concen: 49.031 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

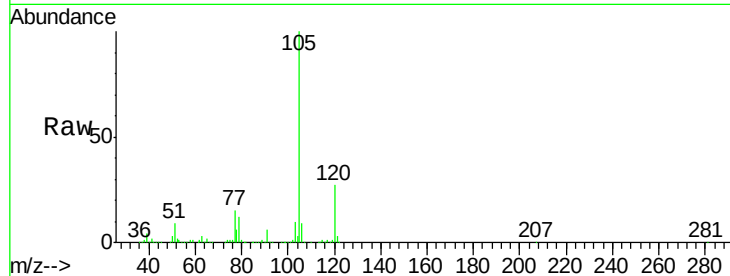
VSTDCCC050EC

Tot Ion:105 Resp: 1824678

Ion Ratio Lower Upper

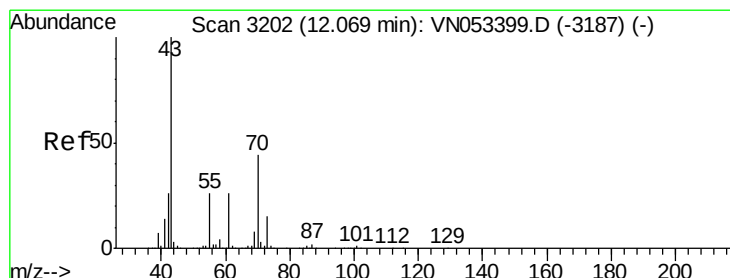
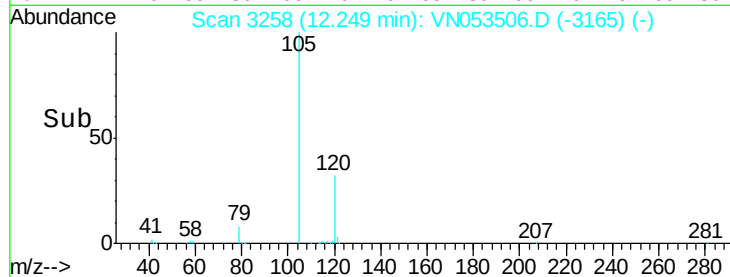
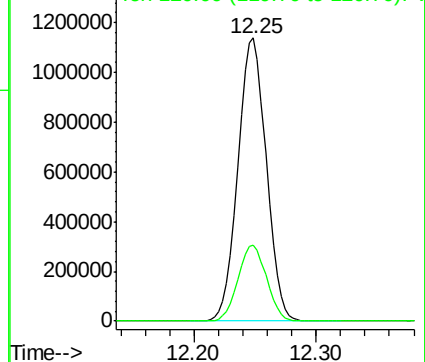
105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.570 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Tgt Ion: 43 Resp: 432243

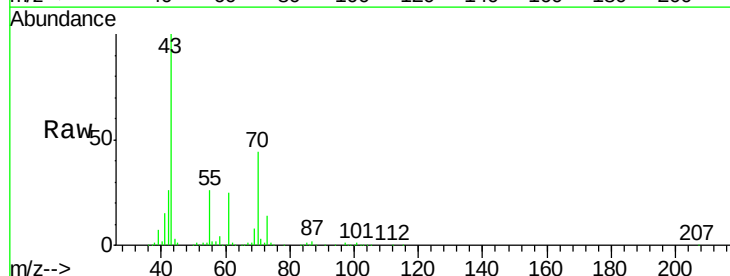
Ion Ratio Lower Upper

43 100

70 44.8 35.4 53.2

55 26.4 20.9 31.3

61 25.4 20.5 30.7

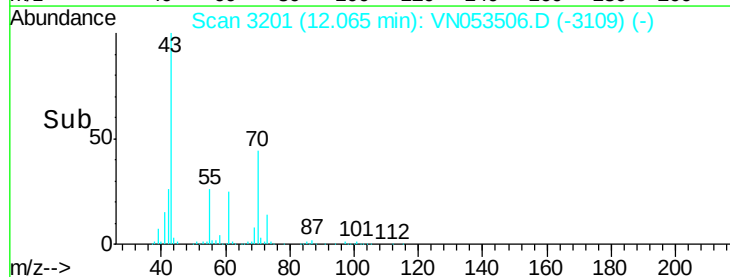
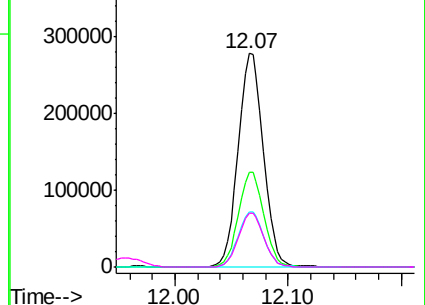


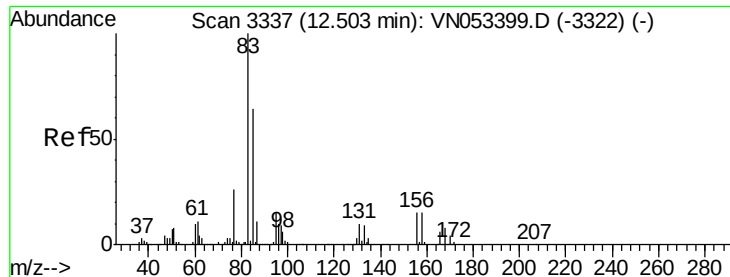
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 40.801 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

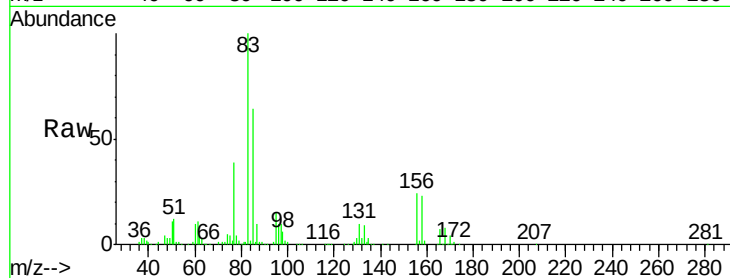
Tot Ion: 83 Resp: 318455

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

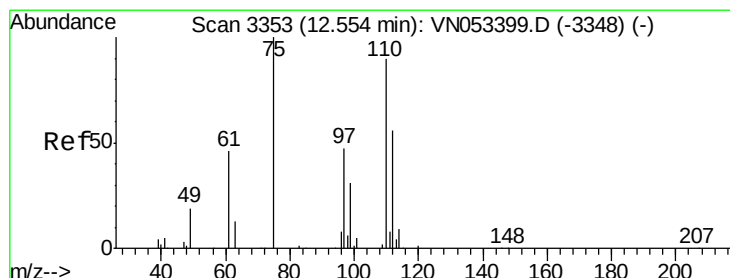
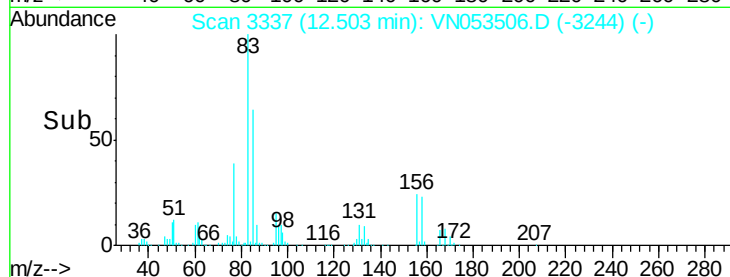
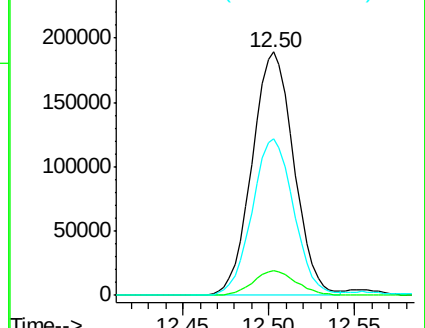
85 64.1 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN053399.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 69.659 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN053506.D

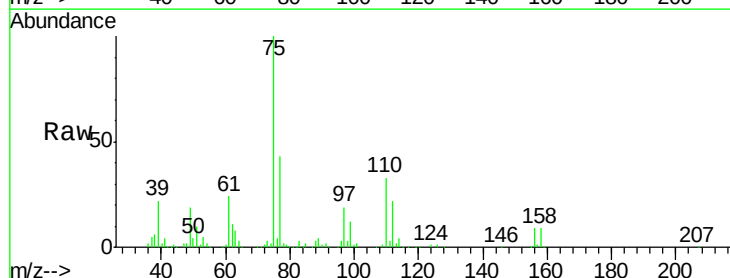
Acq: 21 Jan 2019 15:13

Tgt Ion: 75 Resp: 466505

Ion Ratio Lower Upper

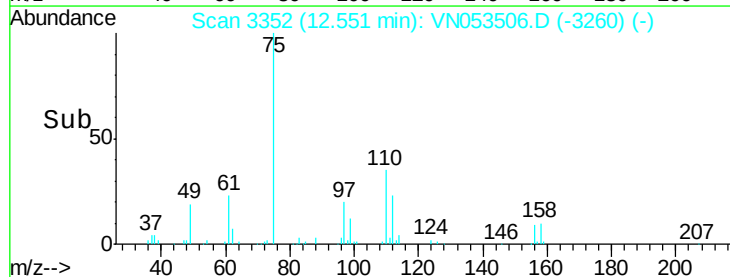
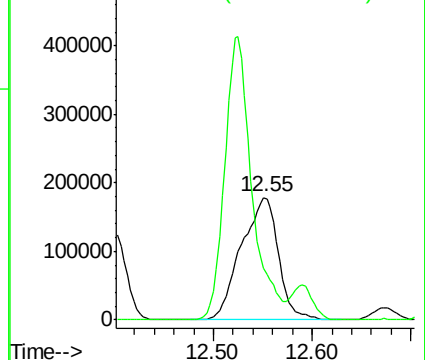
75 100

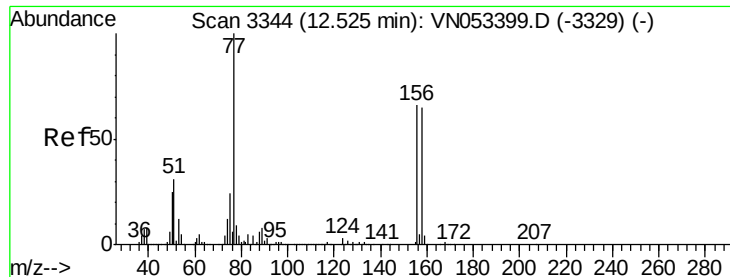
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053399.D (-3348) (-)





#77

Bromobenzene

Concen: 47.833 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

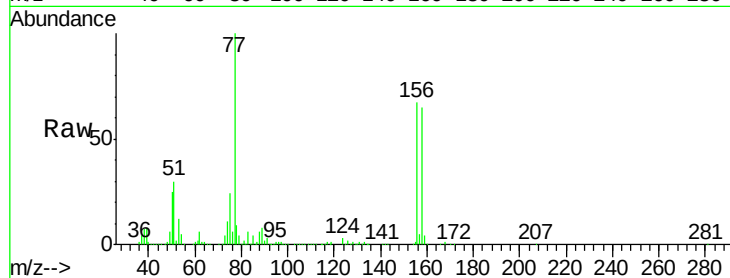
Tot Ion:156 Resp: 469062

Ion Ratio Lower Upper

156 100

77 170.5 87.9 263.8

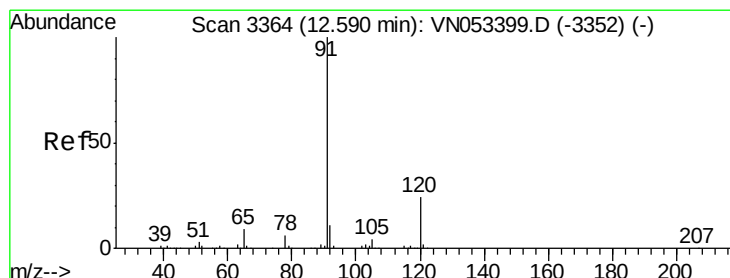
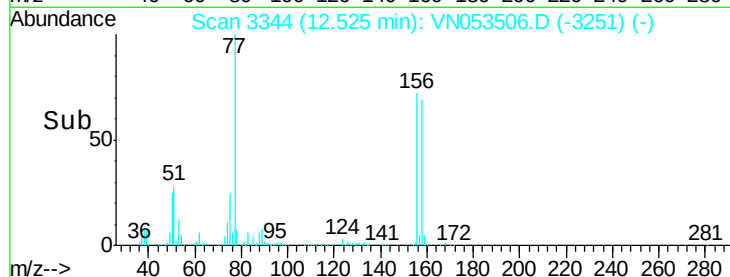
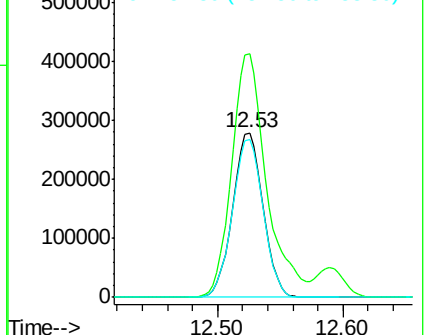
158 97.2 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.781 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053506.D

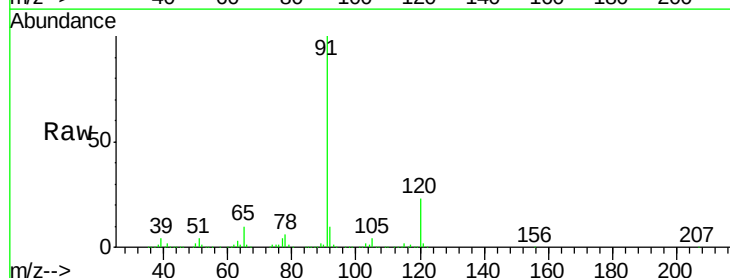
Acq: 21 Jan 2019 15:13

Tgt Ion: 91 Resp: 2126572

Ion Ratio Lower Upper

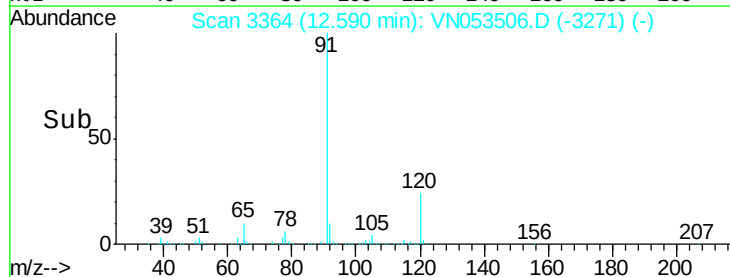
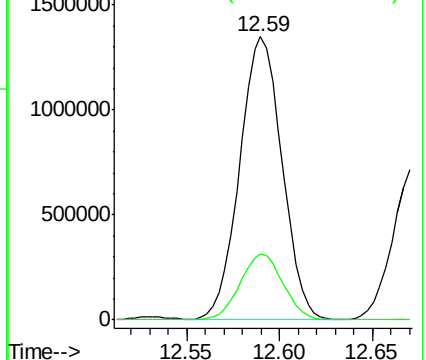
91 100

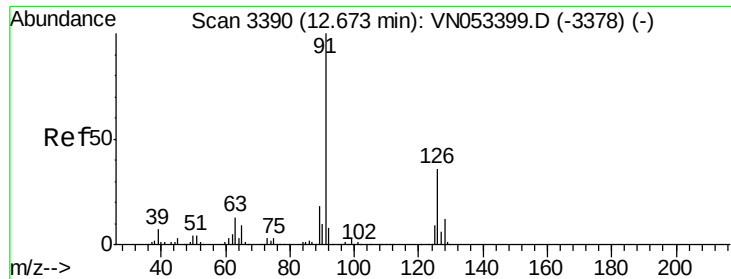
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.508 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

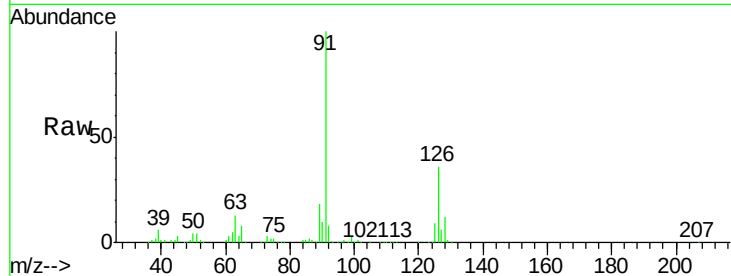
VSTDCCC050EC

Tot Ion: 91 Resp: 1228264

Ion Ratio Lower Upper

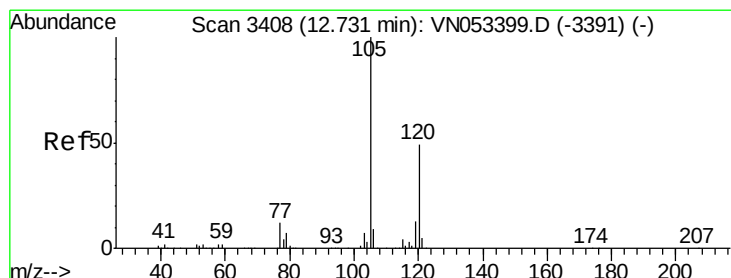
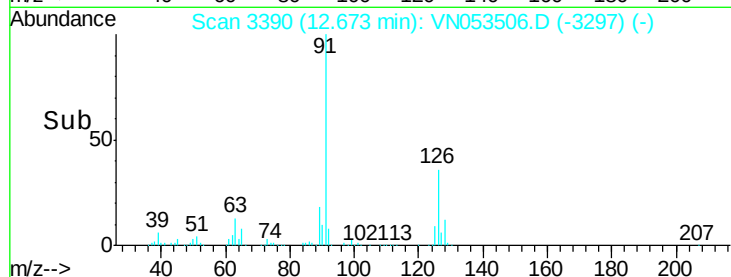
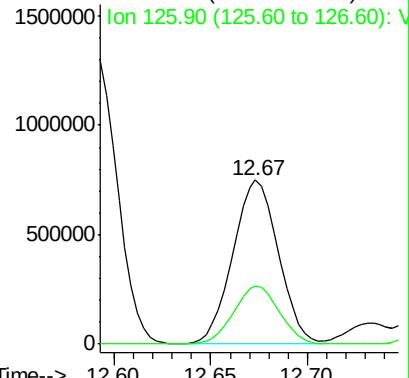
91 100

126 35.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053399.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.307 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053506.D

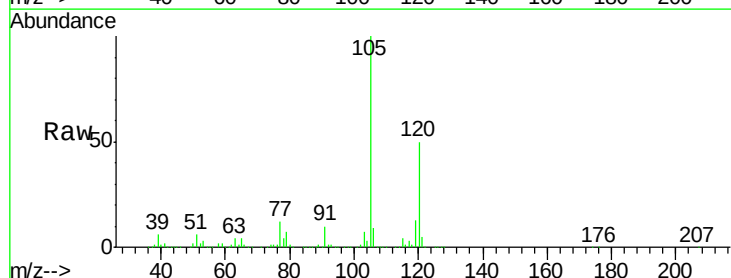
Acq: 21 Jan 2019 15:13

Tgt Ion: 105 Resp: 1523231

Ion Ratio Lower Upper

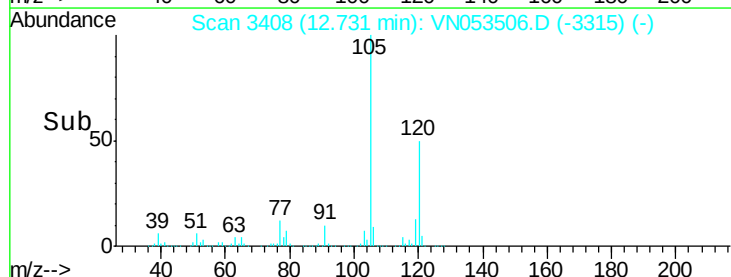
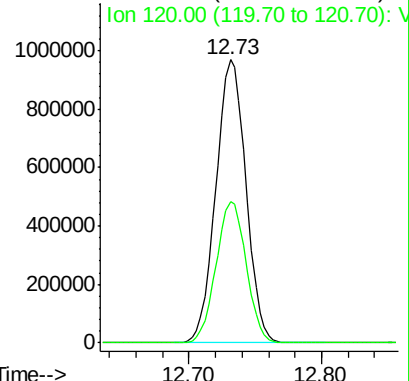
105 100

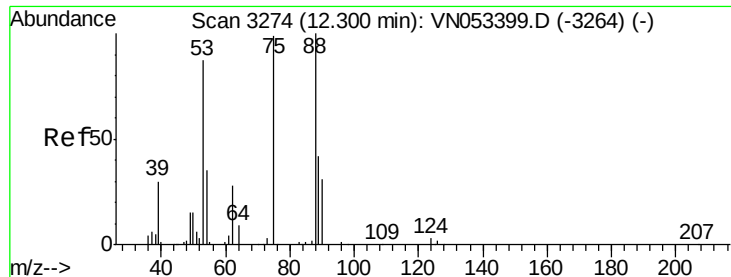
120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053399.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN053399.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 41.179 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

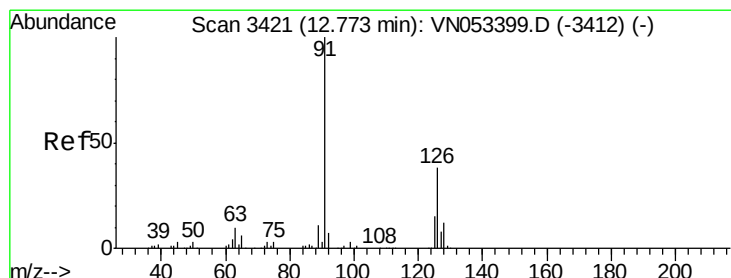
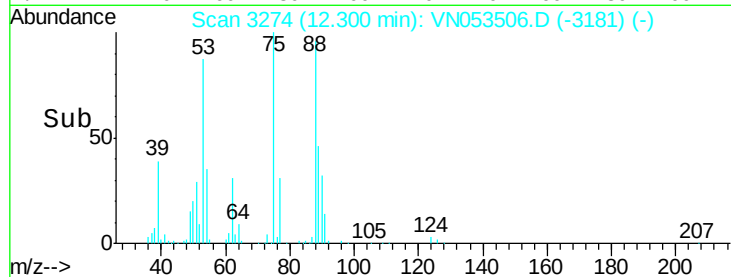
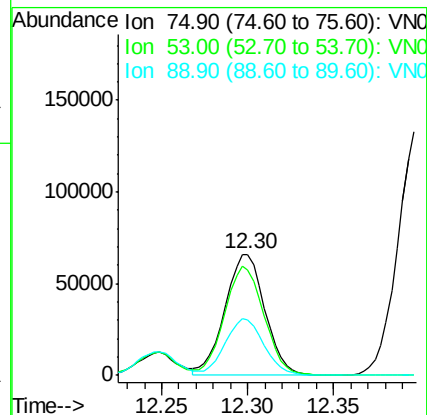
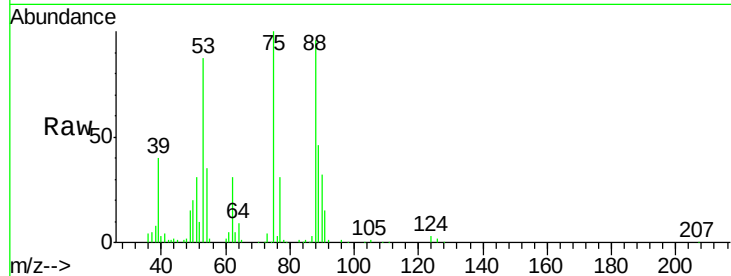
Tot Ion: 75 Resp: 107722

Ion Ratio Lower Upper

75 100

53 88.9 69.8 104.6

89 45.1 35.6 53.4



#82

4-Chlorotoluene

Concen: 48.940 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053506.D

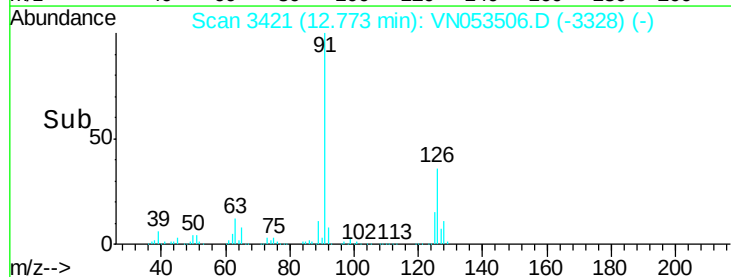
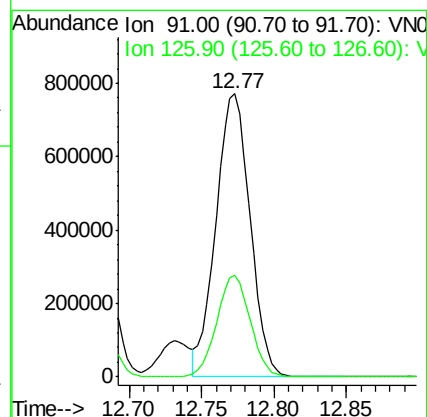
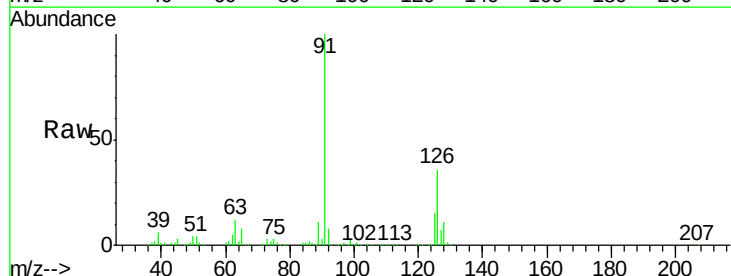
Acq: 21 Jan 2019 15:13

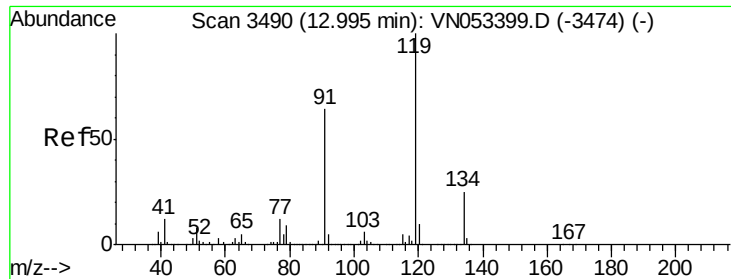
Tgt Ion: 91 Resp: 1263722

Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.9

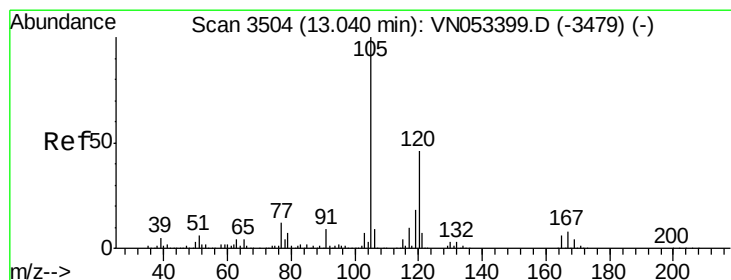
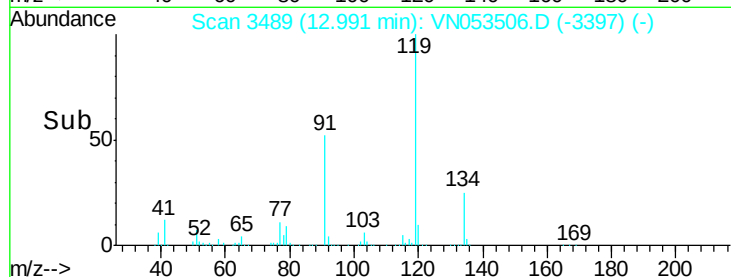
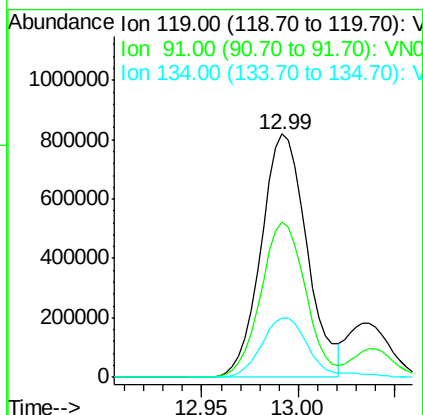
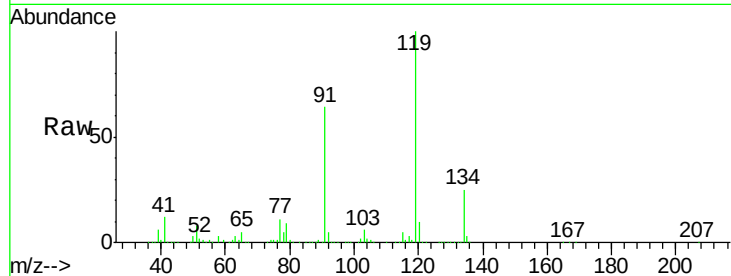




#83
 tert-Butylbenzene
 Concen: 50.407 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

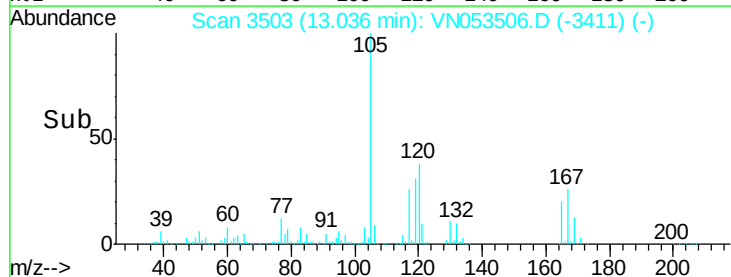
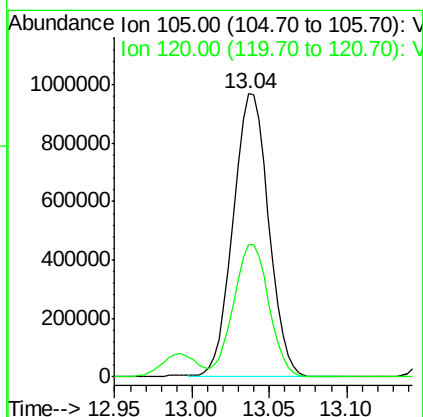
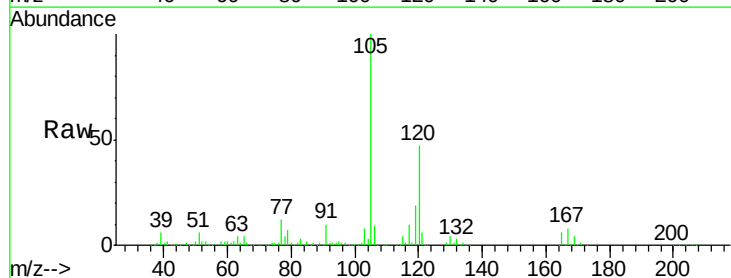
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

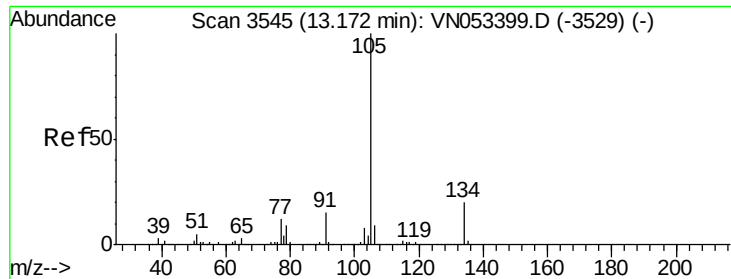
Tot Ion:119 Resp: 1348057
 Ion Ratio Lower Upper
 119 100
 91 62.4 31.3 93.8
 134 25.5 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 50.644 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

Tgt Ion:105 Resp: 1546187
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 50.044 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

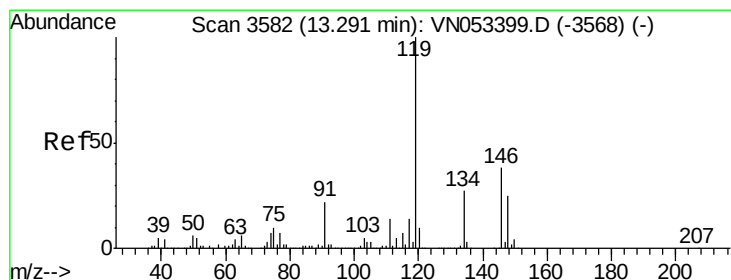
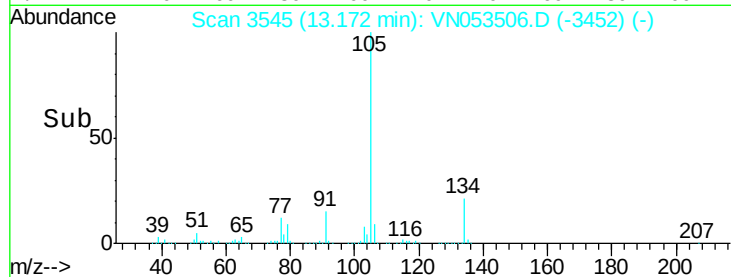
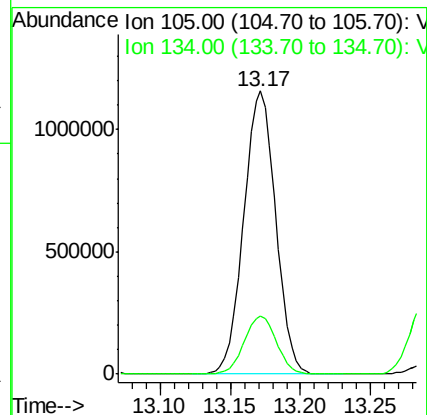
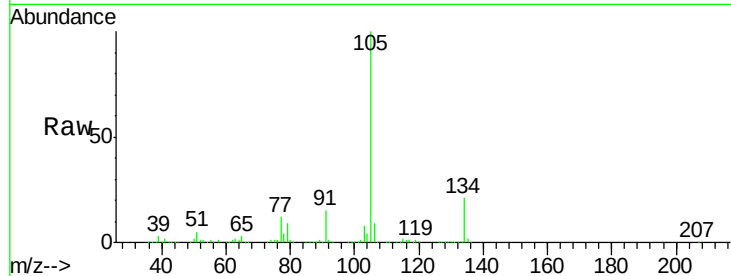
VSTDCCC050EC

Tot Ion:105 Resp: 1835449

Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.6



#86

p-Isopropyltoluene

Concen: 51.679 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

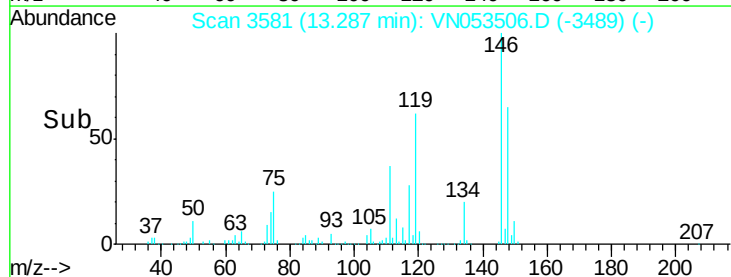
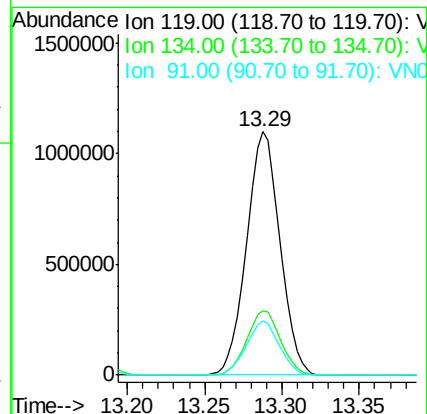
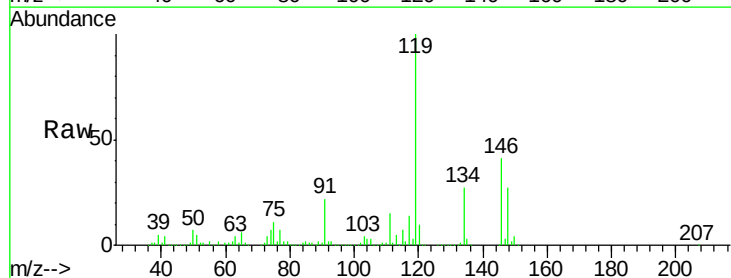
Tgt Ion:119 Resp: 1645776

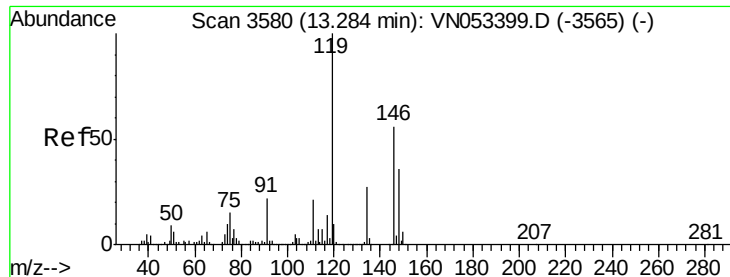
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 21.9 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 49.625 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

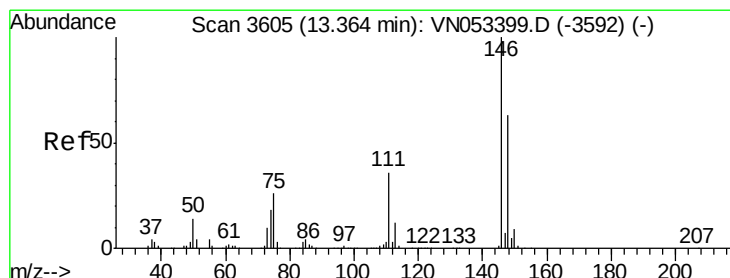
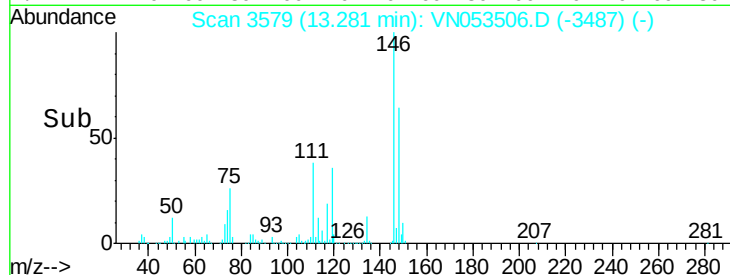
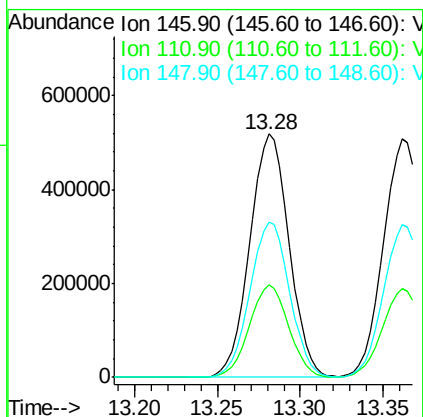
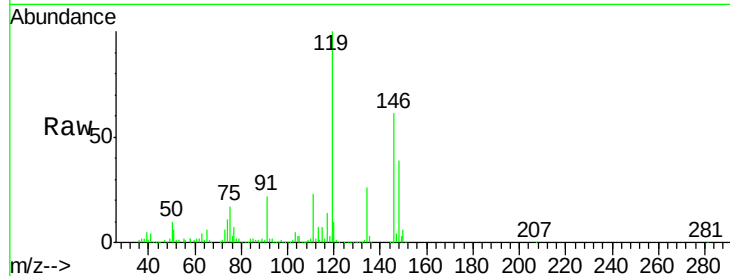
Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 856000

Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.3
148	64.5	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 48.743 ug/l

RT: 13.36 min Scan# 3604

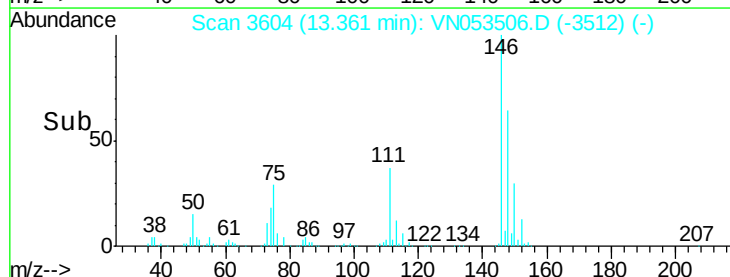
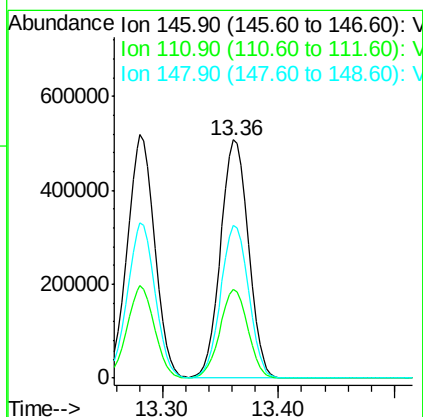
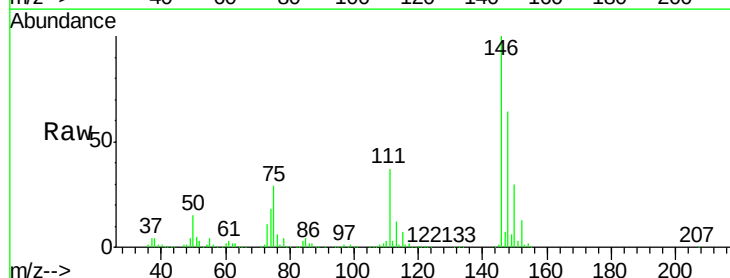
Delta R.T. -0.00 min

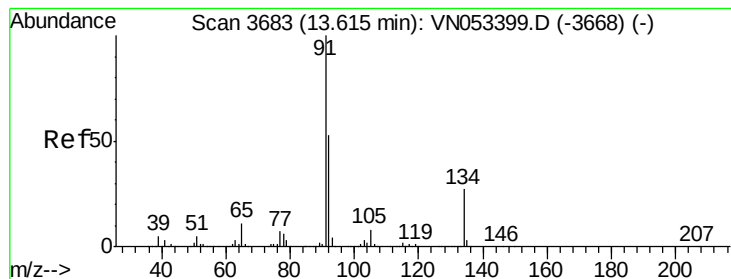
Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Tgt Ion:146 Resp: 843400

Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	64.2	32.4	97.0





#89

n-Butylbenzene

Concen: 52.288 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053506.D

Acq: 21 Jan 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

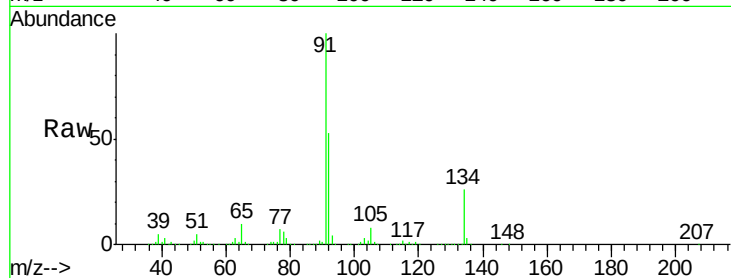
Tot Ion: 91 Resp: 1419384

Ion Ratio Lower Upper

91 100

92 52.2 26.3 78.8

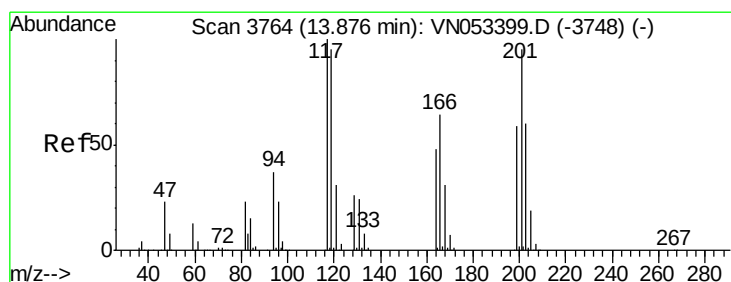
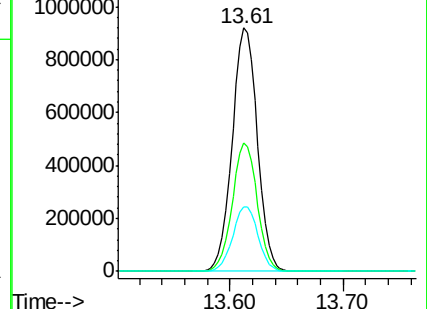
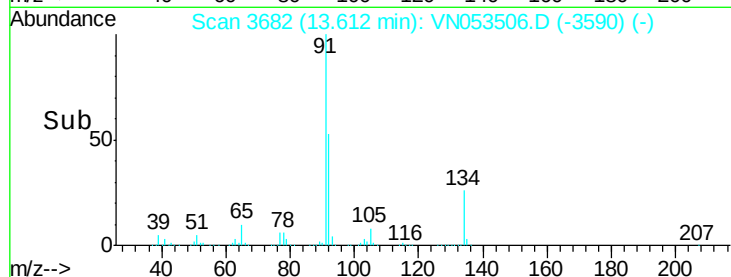
134 26.8 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053399.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053399.D (-3668) (-)



#90

Hexachloroethane

Concen: 51.114 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053506.D

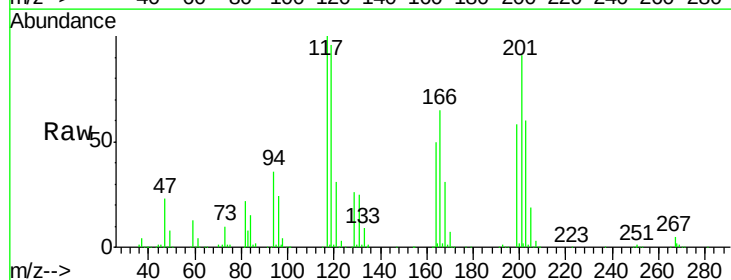
Acq: 21 Jan 2019 15:13

Tgt Ion: 117 Resp: 255293

Ion Ratio Lower Upper

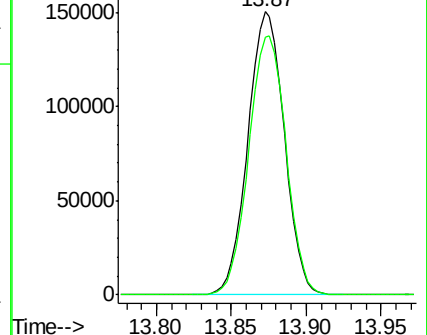
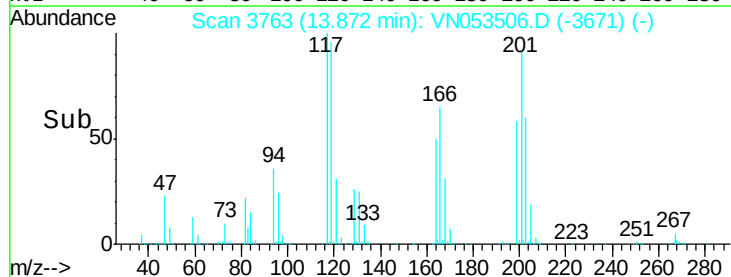
117 100

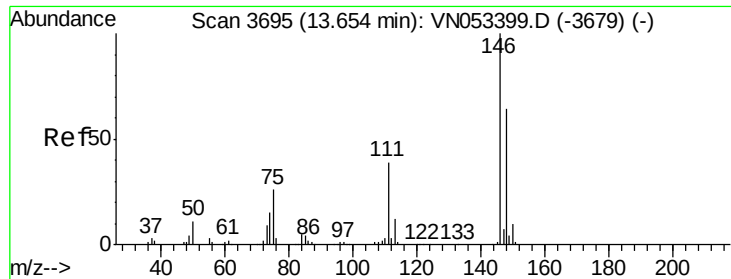
201 93.7 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053399.D (-3748) (-)

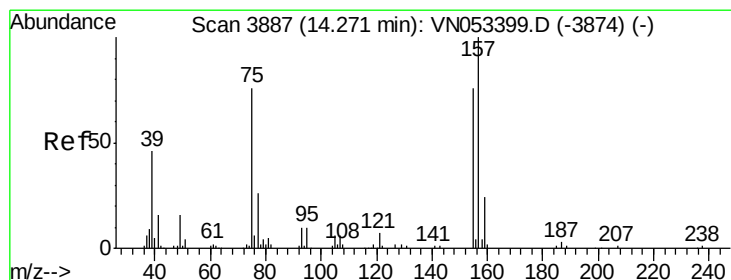
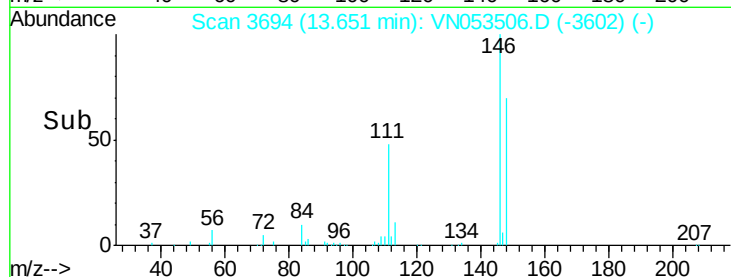
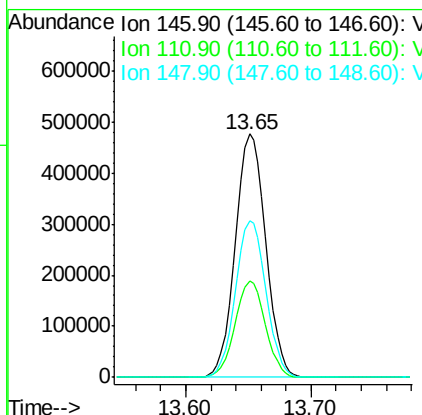
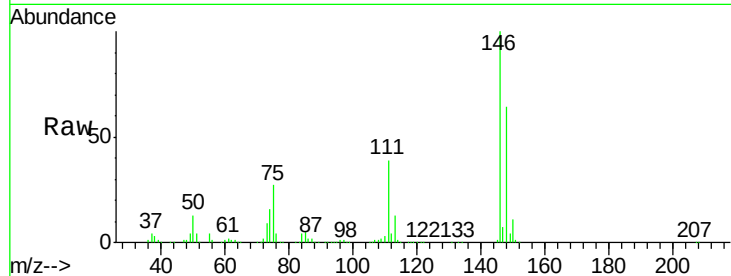




#91
 1,2-Dichlorobenzene
 Concen: 50.586 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

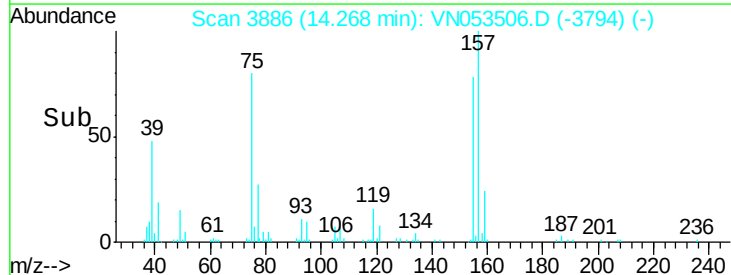
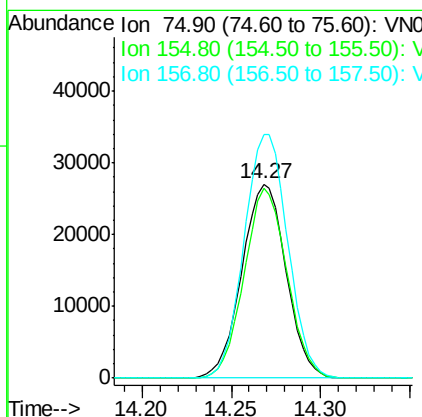
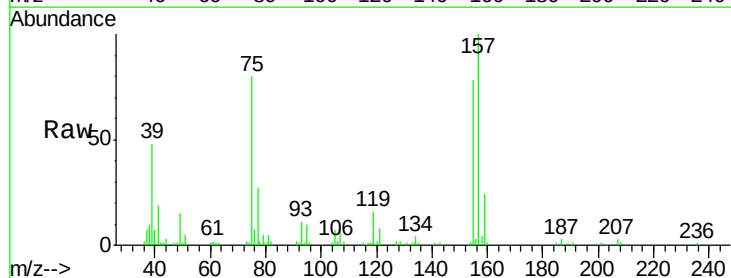
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

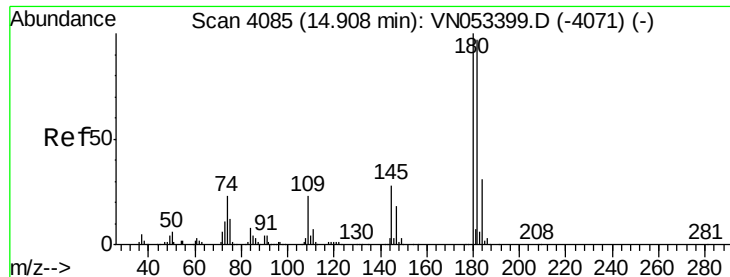
Tot Ion:146 Resp: 802784
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.5 58.5
 148 64.5 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.243 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

Tgt Ion: 75 Resp: 46754
 Ion Ratio Lower Upper
 75 100
 155 94.7 48.9 146.7
 157 124.3 63.7 191.3

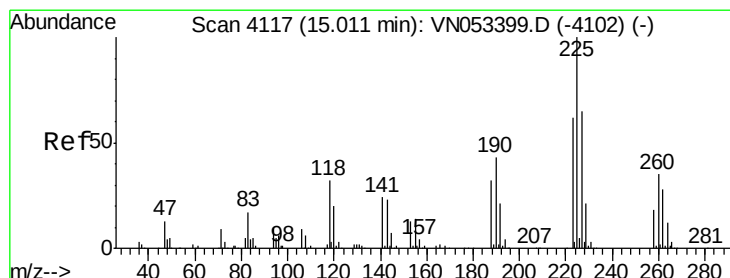
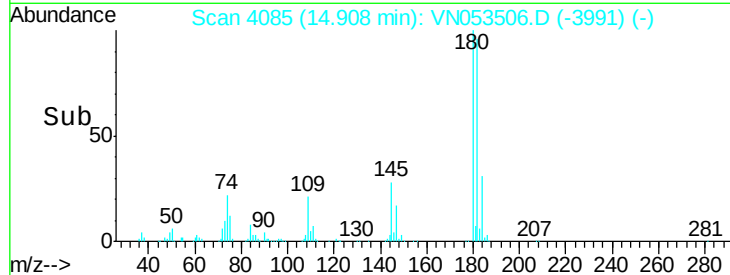
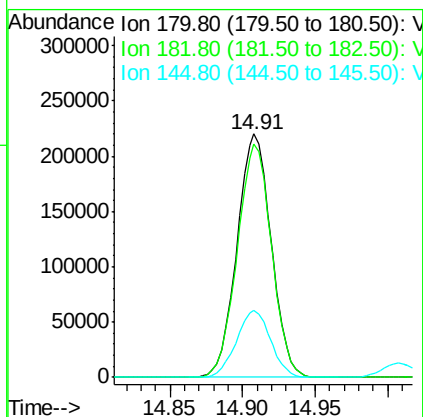
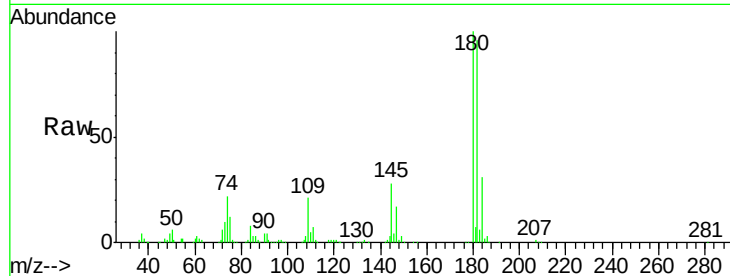




#93
 1,2,4-Trichlorobenzene
 Concen: 51.312 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

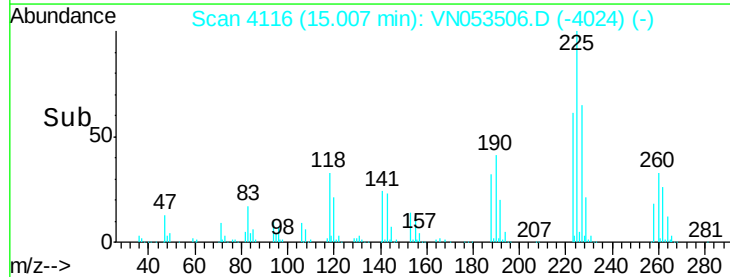
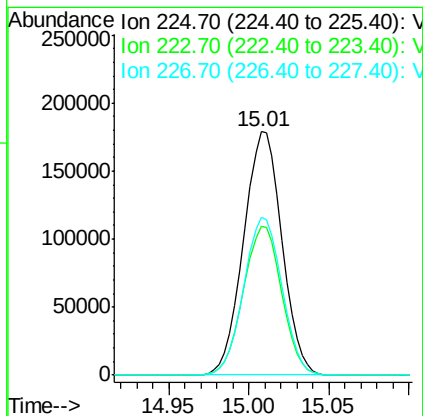
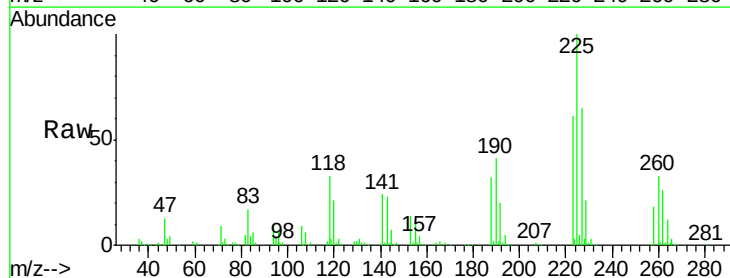
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

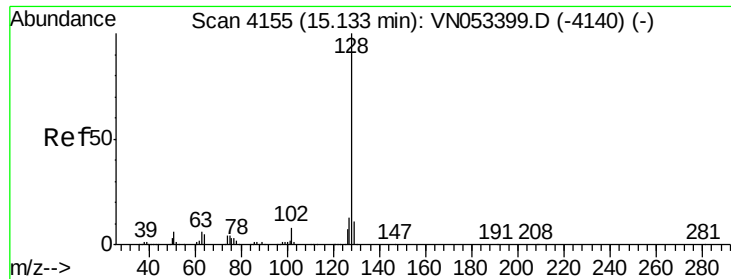
Tot Ion:180 Resp: 359827
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.1 144.3
 145 27.7 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 59.068 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053506.D
 Acq: 21 Jan 2019 15:13

Tgt Ion:225 Resp: 292413
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.1 93.2
 227 64.4 32.0 96.2

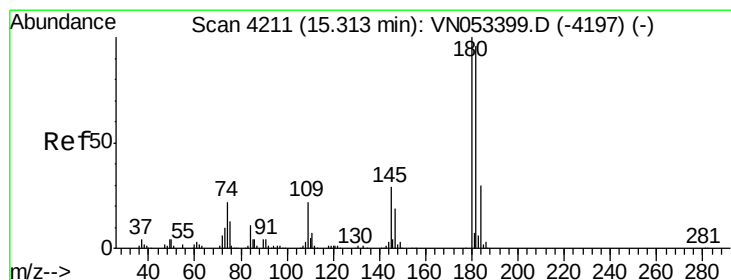
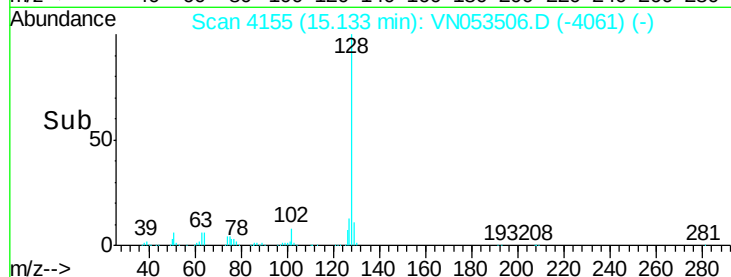
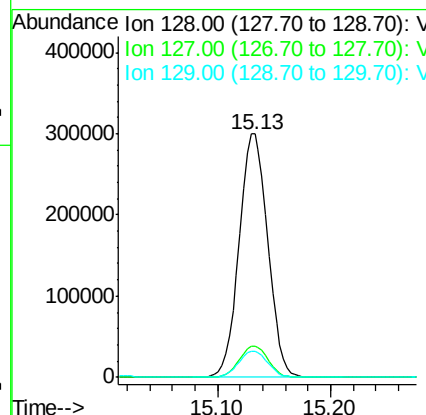
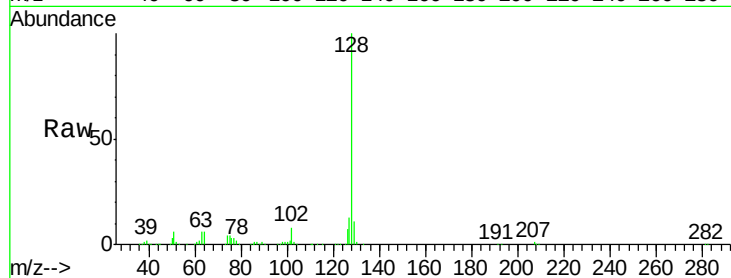




#95
Naphthalene
Concen: 43.543 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 528149
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 46.816 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053506.D
Acq: 21 Jan 2019 15:13

Tgt Ion:180 Resp: 238486
Ion Ratio Lower Upper
180 100
182 95.4 47.9 143.8
145 29.1 14.7 44.1

