

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\
 Data File : VN053494.D
 Acq On : 21 Jan 2019 9:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 22 04:02:13 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	777731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1105872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1009692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	514946	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	350870	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
35) Dibromofluoromethane	7.59	113	327050	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	10.09	98	1349119	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	467901	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	301912	48.283	ug/l 100
3) Chloromethane	2.06	50	398060	44.525	ug/l 98
4) Vinyl Chloride	2.19	62	400947	46.525	ug/l 99
5) Bromomethane	2.57	94	280380	47.416	ug/l 97
6) Chloroethane	2.71	64	245136	47.048	ug/l 97
7) Trichlorofluoromethane	3.03	101	558893	49.581	ug/l 100
8) Diethyl Ether	3.41	74	191849	45.315	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	361929	50.698	ug/l 98
10) Methyl Iodide	3.96	142	518737	47.550	ug/l 99
11) Tert butyl alcohol	4.77	59	75079	199.601	ug/l 100
12) 1,1-Dichloroethene	3.74	96	334528	48.312	ug/l 97
13) Acrolein	3.60	56	142255	198.923	ug/l 97
14) Allyl chloride	4.33	41	549315	48.840	ug/l 99
15) Acrylonitrile	4.98	53	518570	209.485	ug/l 100
16) Acetone	3.81	43	448632	248.751	ug/l 99
17) Carbon Disulfide	4.06	76	995862	47.559	ug/l 100
18) Methyl Acetate	4.32	43	243787	40.120	ug/l 99
19) Methyl tert-butyl Ether	5.04	73	816245	44.366	ug/l 100
20) Methylene Chloride	4.55	84	384486	46.694	ug/l 99
21) trans-1,2-Dichloroethene	5.04	96	363172	49.059	ug/l 99
22) Diisopropyl ether	5.94	45	1147565	48.875	ug/l 99
23) Vinyl Acetate	5.89	43	3250029	225.177	ug/l 100
24) 1,1-Dichloroethane	5.85	63	681635	49.108	ug/l 100
25) 2-Butanone	6.83	43	594437	213.882	ug/l 100
26) 2,2-Dichloropropane	6.82	77	518931	49.517	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	418093	49.389	ug/l 100
28) Bromochloromethane	7.19	49	290639	47.530	ug/l 99
29) Tetrahydrofuran	7.20	42	355627	196.554	ug/l 99
30) Chloroform	7.37	83	675915	49.980	ug/l 99
31) Cyclohexane	7.65	56	640118	47.376	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	566581	49.388	ug/l 99
36) 1,1-Dichloropropene	7.79	75	528091	52.435	ug/l 99
37) Ethyl Acetate	6.92	43	246154	42.482	ug/l 99
38) Carbon Tetrachloride	7.77	117	505029	52.966	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	668047	53.667	ug/l	100
40) Benzene	8.04	78	1566511	51.185	ug/l	100
41) Methacrylonitrile	7.17	41	157831	45.896	ug/l	98
42) 1,2-Dichloroethane	8.12	62	445865	50.007	ug/l	100
43) Isopropyl Acetate	8.16	43	450573	43.246	ug/l	97
44) Trichloroethene	8.83	130	453576	53.442	ug/l	99
45) 1,2-Dichloropropane	9.12	63	417908	51.554	ug/l	100
46) Dibromomethane	9.20	93	228076	48.971	ug/l	99
47) Bromodichloromethane	9.40	83	514038	52.483	ug/l	99
48) Methyl methacrylate	9.19	41	229732	42.705	ug/l	99
49) 1,4-Dioxane	9.20	88	56731	1079.817	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1214578	213.548	ug/l	100
52) Toluene	10.15	92	988467	52.024	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	507928	51.163	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	607495	52.201	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	324165	49.487	ug/l	99
56) Ethyl methacrylate	10.43	69	380763	41.330	ug/l	99
57) 1,3-Dichloropropane	10.71	76	556038	49.069	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1029072	224.556	ug/l	99
59) 2-Hexanone	10.75	43	888462	222.525	ug/l	99
60) Dibromochloromethane	10.90	129	381372	51.330	ug/l	100
61) 1,2-Dibromoethane	11.00	107	313721	47.354	ug/l	99
64) Tetrachloroethene	10.63	164	527507	55.438	ug/l	99
65) Chlorobenzene	11.43	112	1111712	52.018	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	394074	53.003	ug/l	100
67) Ethyl Benzene	11.51	91	1911287	52.475	ug/l	99
68) m/p-Xylenes	11.62	106	1493610	108.613	ug/l	98
69) o-Xylene	11.95	106	714969	53.506	ug/l	98
70) Styrene	11.96	104	1175617	54.209	ug/l	100
71) Bromoform	12.12	173	251888	49.211	ug/l #	100
73) Isopropylbenzene	12.25	105	1927915	51.125	ug/l	100
74) N-amyl acetate	12.07	43	414088	41.192	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	313354	39.621	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	462375	68.137	ug/l #	100
77) Bromobenzene	12.52	156	487216	49.032	ug/l	97
78) n-propylbenzene	12.59	91	2266949	52.371	ug/l	100
79) 2-Chlorotoluene	12.67	91	1285835	50.115	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1606619	52.364	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	105272	39.804	ug/l	98
82) 4-Chlorotoluene	12.77	91	1349438	51.574	ug/l	100
83) tert-Butylbenzene	12.99	119	1409474	52.012	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1633121	52.789	ug/l	99
85) sec-Butylbenzene	13.17	105	1975146	53.146	ug/l	99
86) p-Isopropyltoluene	13.29	119	1765221	54.702	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	906427	51.858	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	889678	50.743	ug/l	99
89) n-Butylbenzene	13.61	91	1513071	55.007	ug/l	99
90) Hexachloroethane	13.87	117	275480	54.432	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	834516	51.896	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43403	43.282	ug/l	99

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QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration

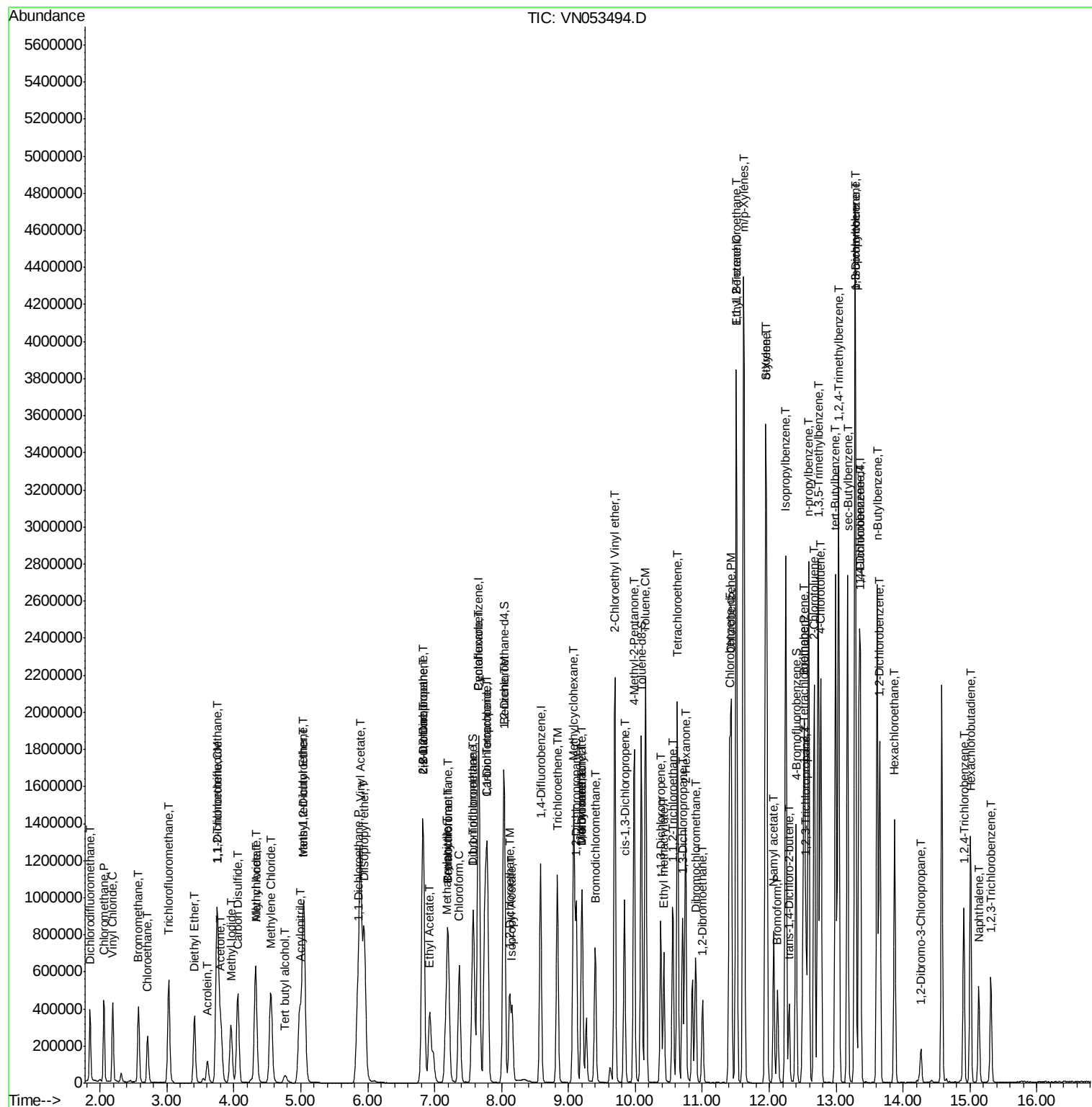
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	342492	48.367	ug/l	99
94) Hexachlorobutadiene	15.01	225	296076	59.023	ug/l	99
95) Naphthalene	15.13	128	460347	38.006	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	221699	43.272	ug/l	98

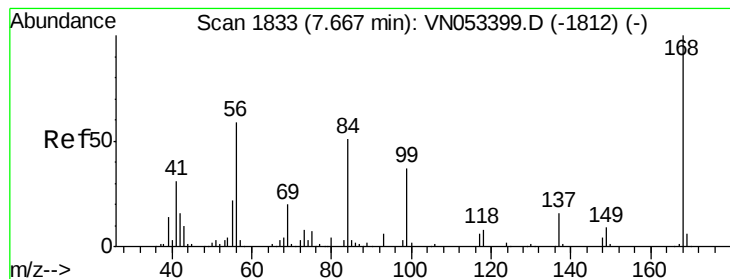
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

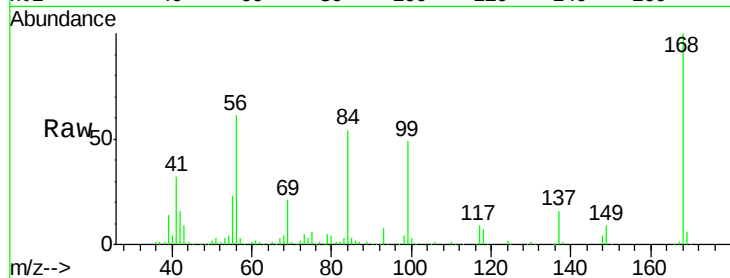
VSTDCCC050

Tot Ion:168 Resp: 777731

Ion Ratio Lower Upper

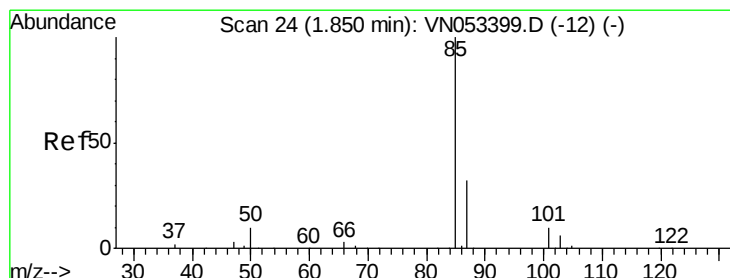
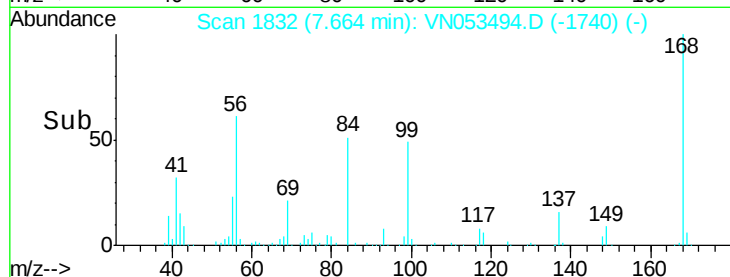
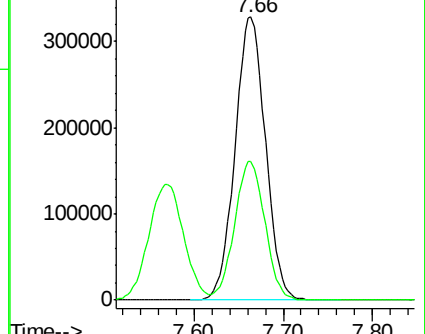
168 100

99 48.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.283 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053494.D

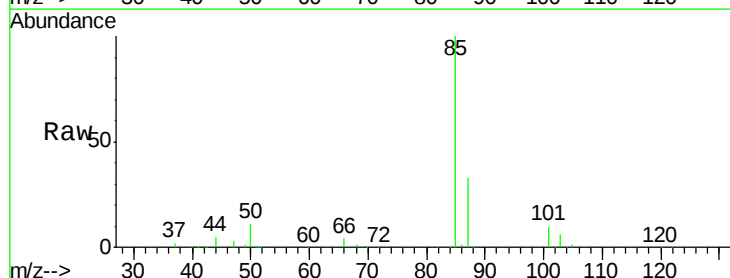
Acq: 21 Jan 2019 9:27

Tgt Ion: 85 Resp: 301912

Ion Ratio Lower Upper

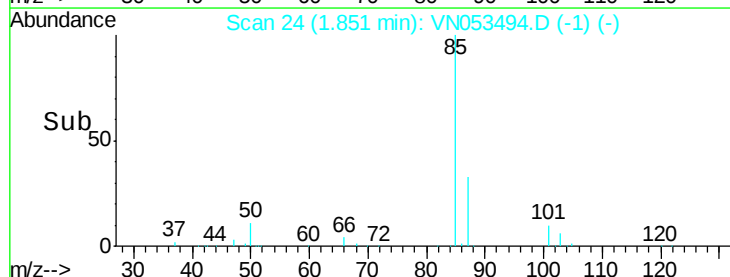
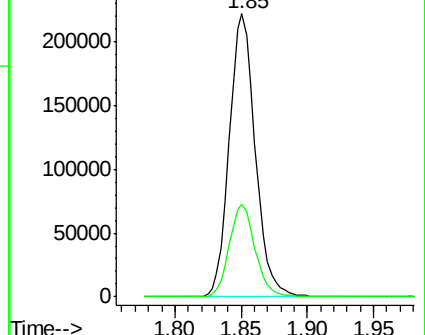
85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.525 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

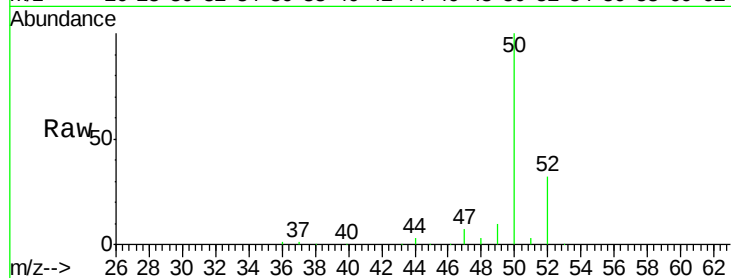
VSTDCCC050

Tot Ion: 50 Resp: 398060

Ion Ratio Lower Upper

50 100

52 32.4 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

300000

250000

200000

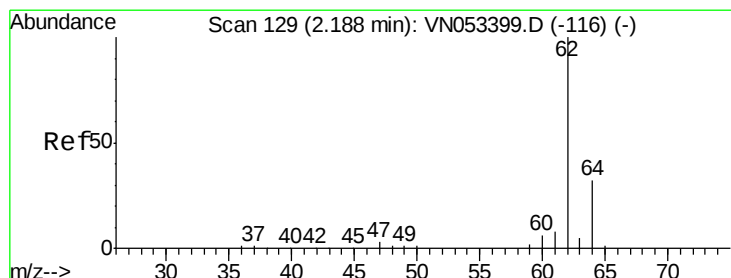
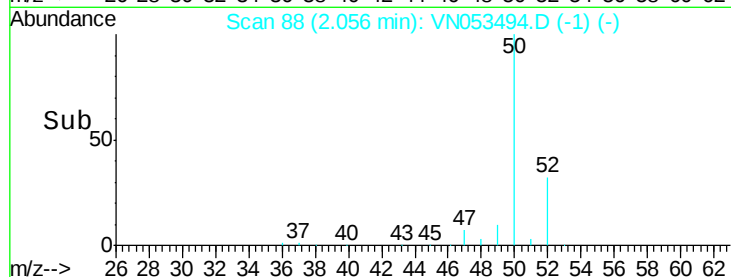
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.525 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053494.D

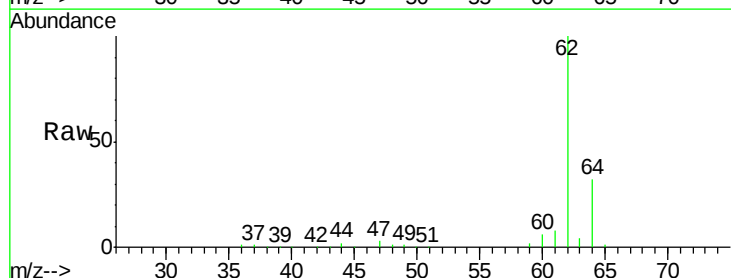
Acq: 21 Jan 2019 9:27

Tgt Ion: 62 Resp: 400947

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

300000

250000

200000

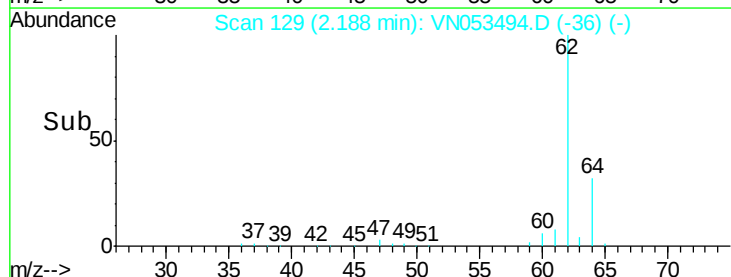
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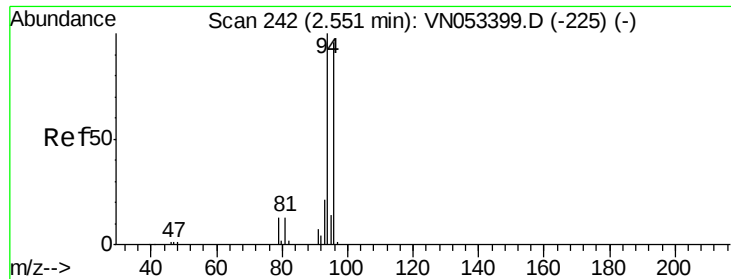
100000

50000

0

Time-->





#5

Bromomethane

Concen: 47.416 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

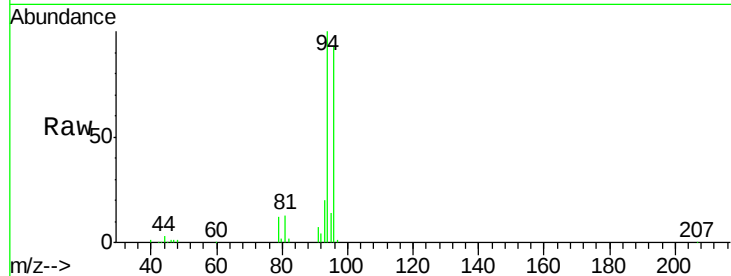
VSTDCCC050

Tot Ion: 94 Resp: 280380

Ion Ratio Lower Upper

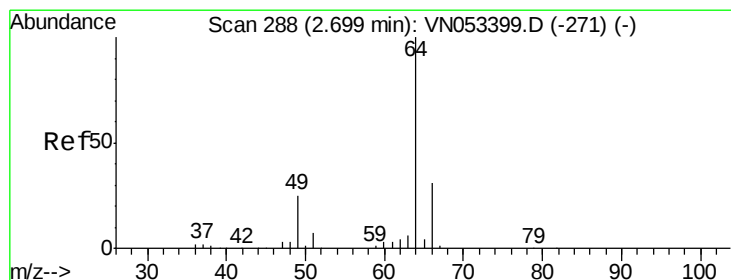
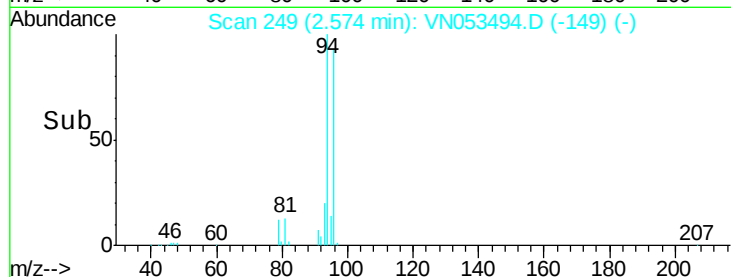
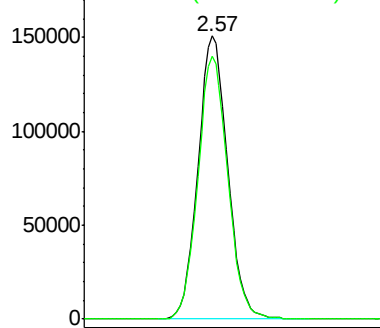
94 100

96 92.8 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.048 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN053494.D

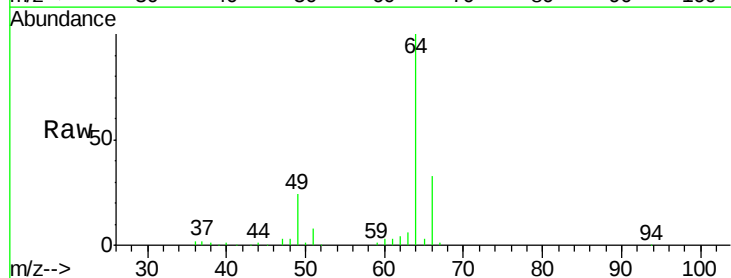
Acq: 21 Jan 2019 9:27

Tgt Ion: 64 Resp: 245136

Ion Ratio Lower Upper

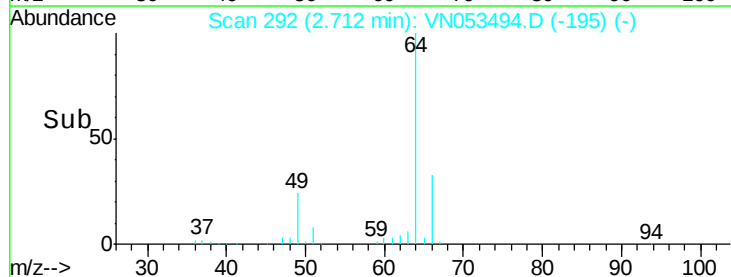
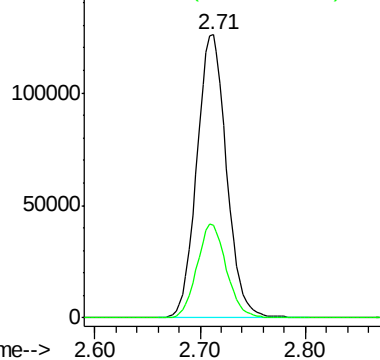
64 100

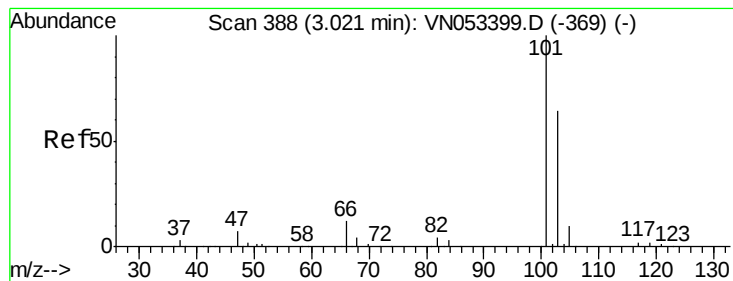
66 32.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



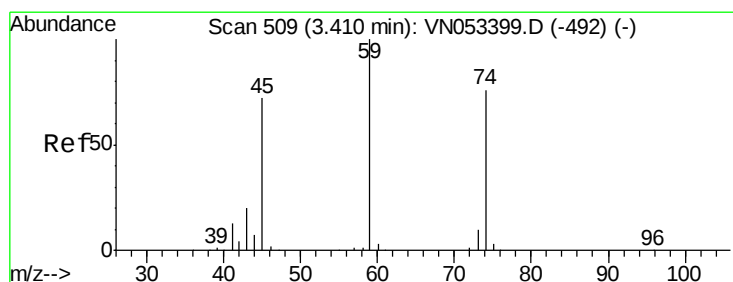
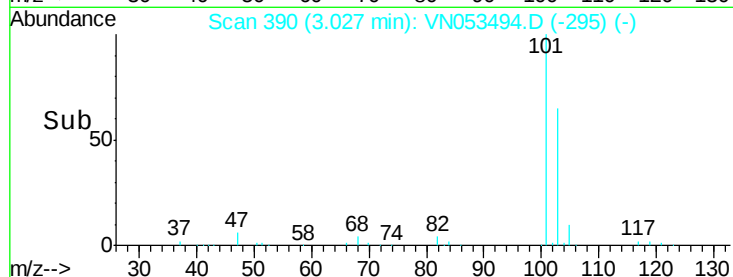
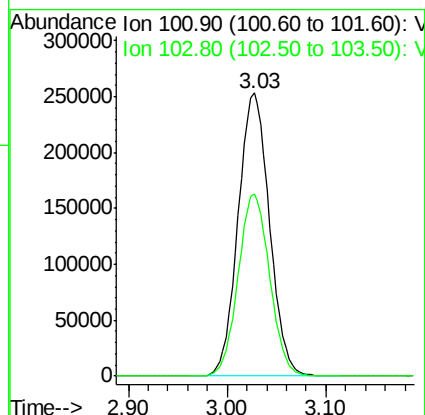
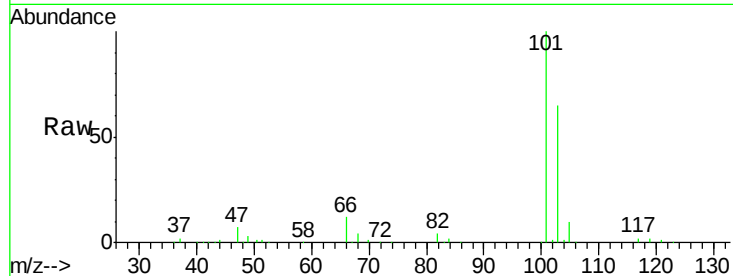


#7

Trichlorofluoromethane
Concen: 49.581 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.01 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
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ClientSampleId :
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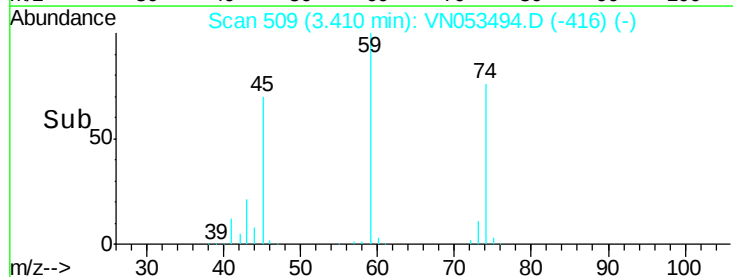
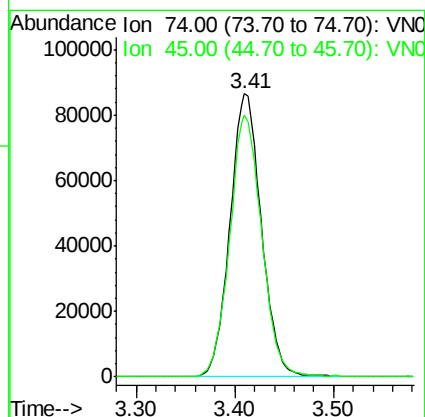
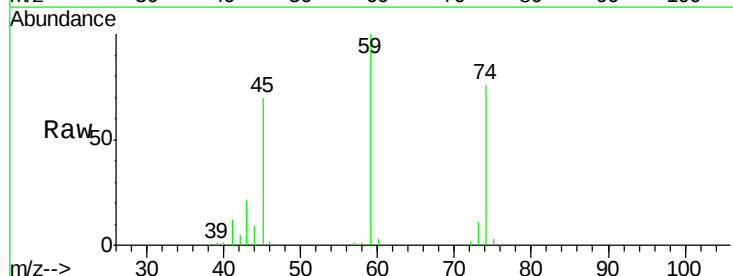
Tot Ion:101 Resp: 558893
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4

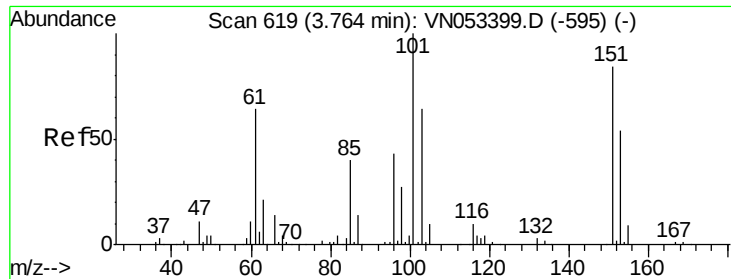


#8

Diethyl Ether
Concen: 45.315 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion: 74 Resp: 191849
Ion Ratio Lower Upper
74 100
45 94.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.698 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

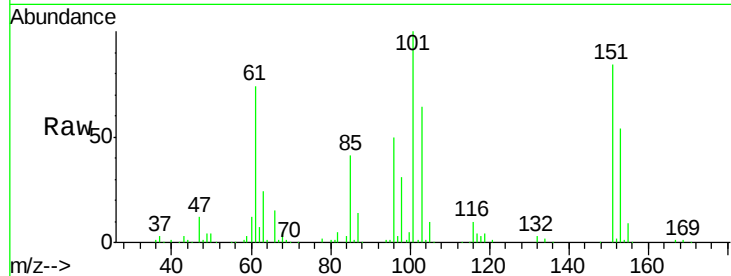
Tot Ion:101 Resp: 361929

Ion Ratio Lower Upper

101 100

85 41.5 32.8 49.2

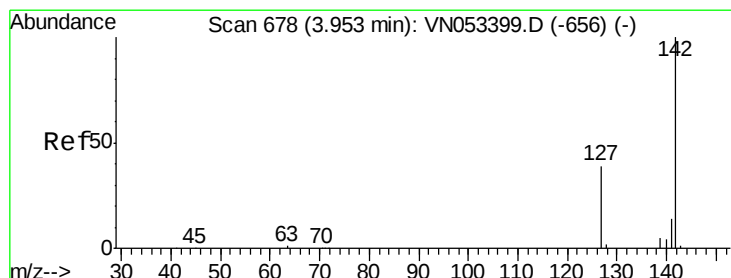
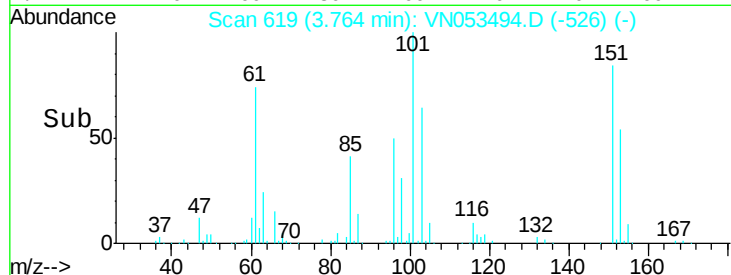
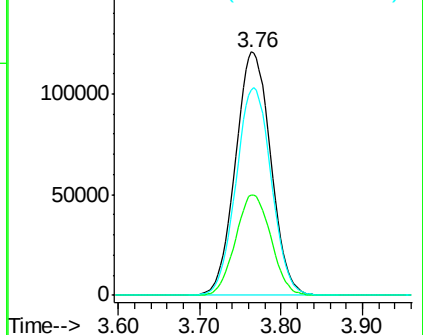
151 85.4 66.9 100.3



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: 47.550 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

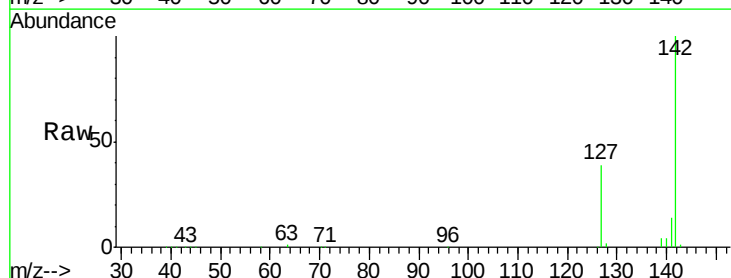
Tgt Ion:142 Resp: 518737

Ion Ratio Lower Upper

142 100

127 39.4 31.0 46.4

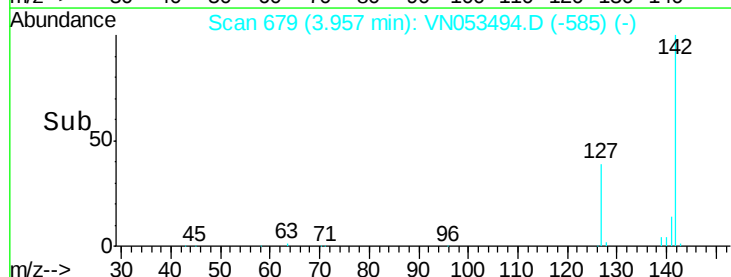
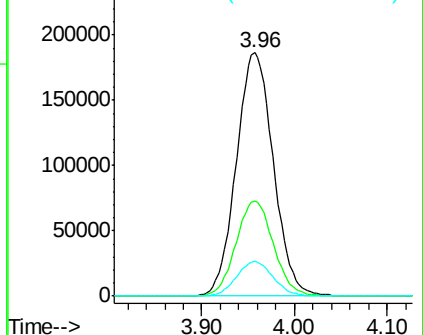
141 14.1 11.1 16.7

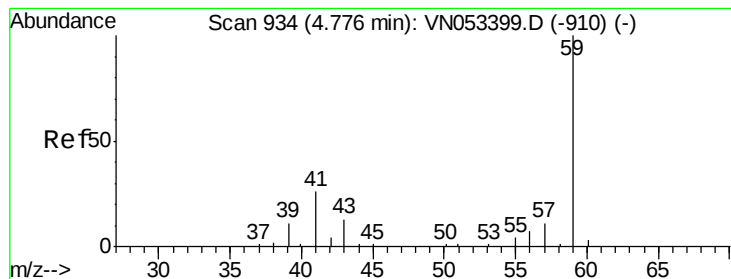


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



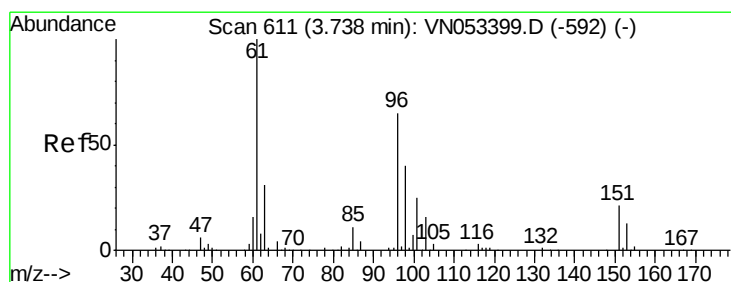
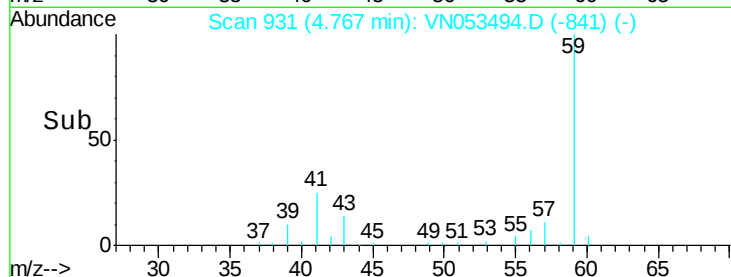
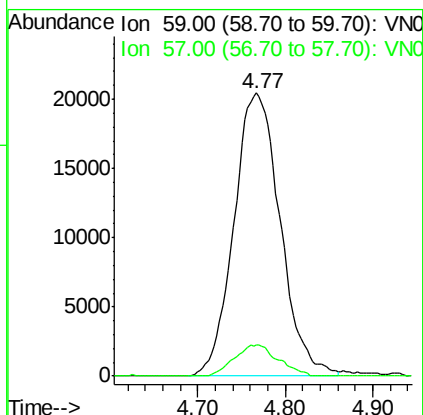
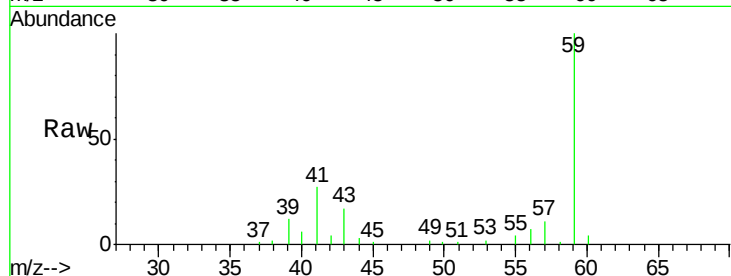


#11

Tert butyl alcohol
 Concen: 199.601 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. -0.01 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

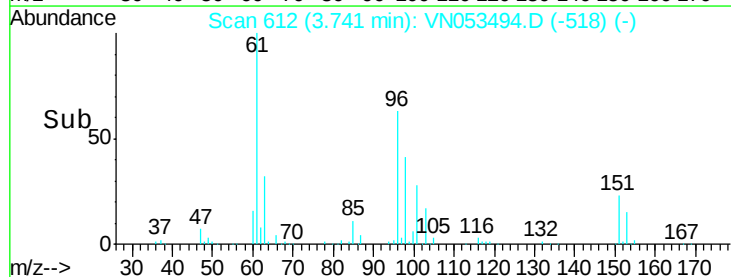
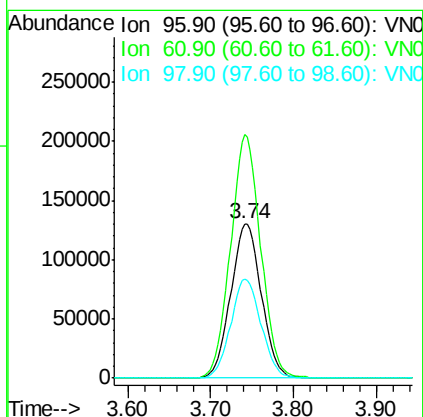
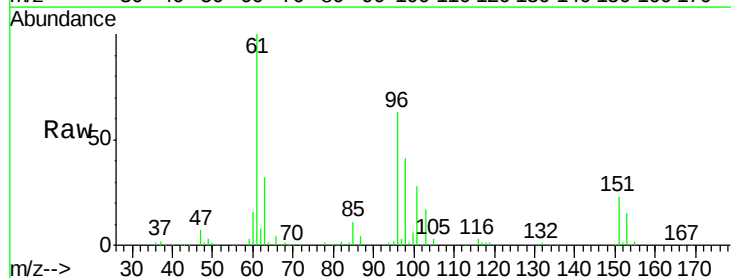
Tot Ion: 59 Resp: 75079
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.4

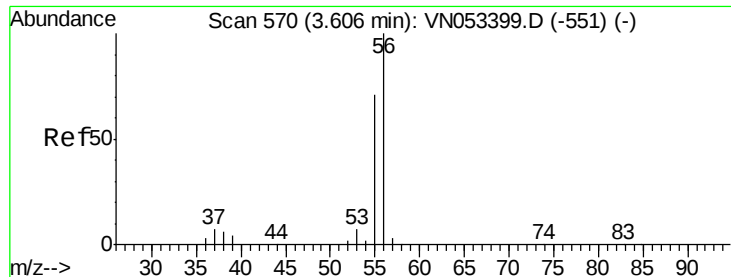


#12

1,1-Dichloroethene
 Concen: 48.312 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion: 96 Resp: 334528
 Ion Ratio Lower Upper
 96 100
 61 157.8 122.9 184.3
 98 64.3 49.4 74.0





#13

Acrolein

Concen: 198.923 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

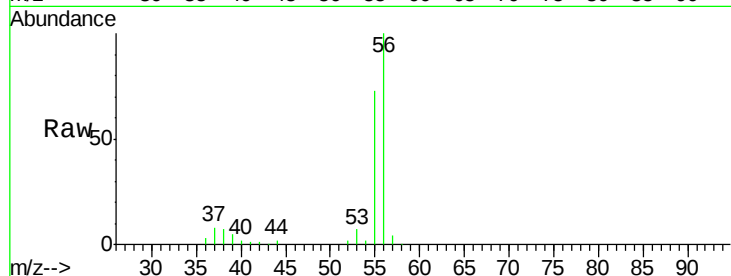
VSTDCCC050

Tot Ion: 56 Resp: 142255

Ion Ratio Lower Upper

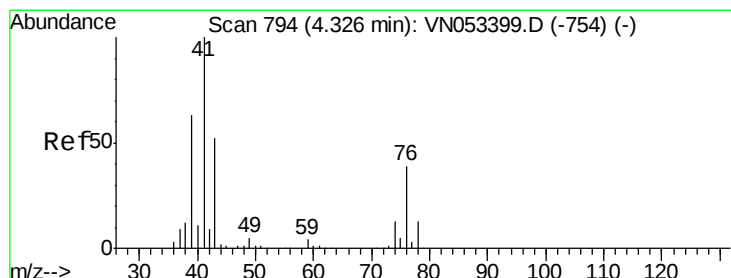
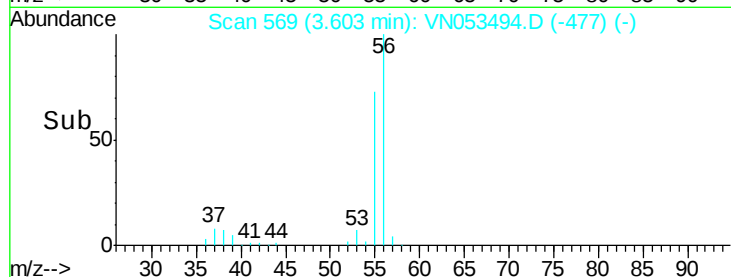
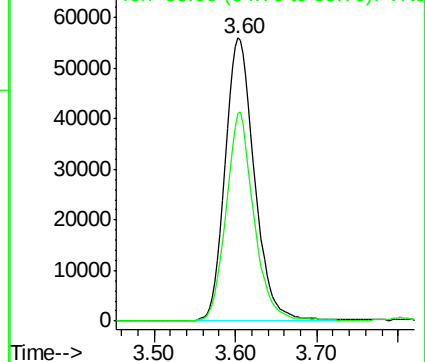
56 100

55 69.6 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: 48.840 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

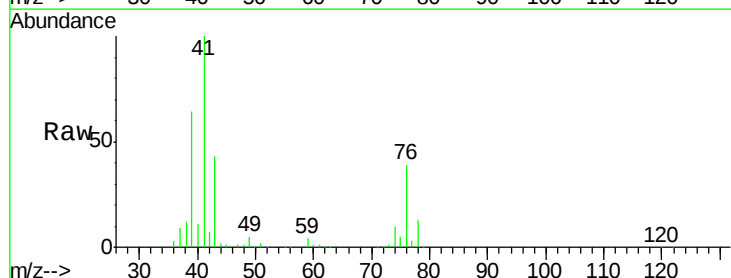
Tgt Ion: 41 Resp: 549315

Ion Ratio Lower Upper

41 100

39 62.0 48.9 73.3

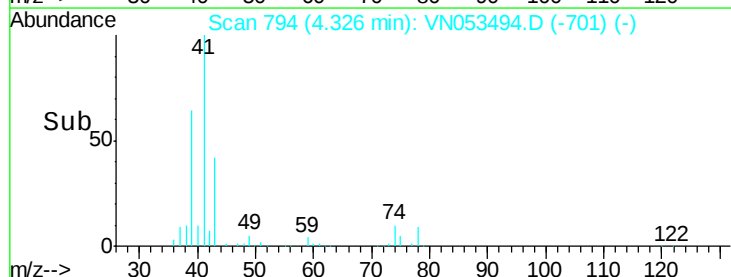
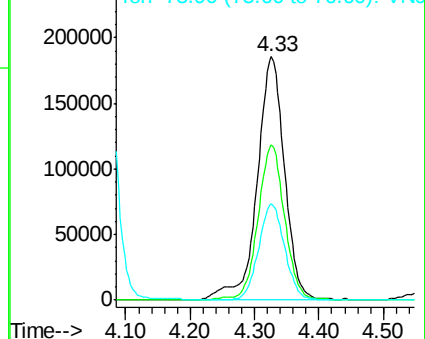
76 37.1 29.4 44.2



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: 209.485 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

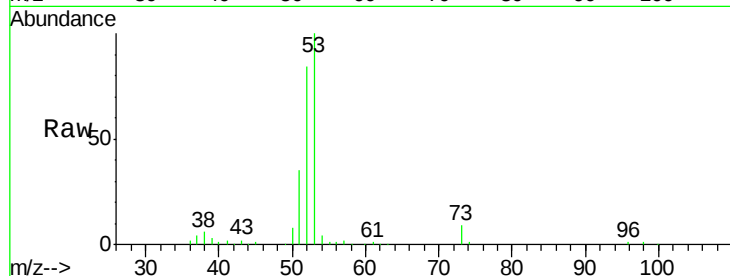
Tot Ion: 53 Resp: 518570

Ion Ratio Lower Upper

53 100

52 82.3 66.0 99.0

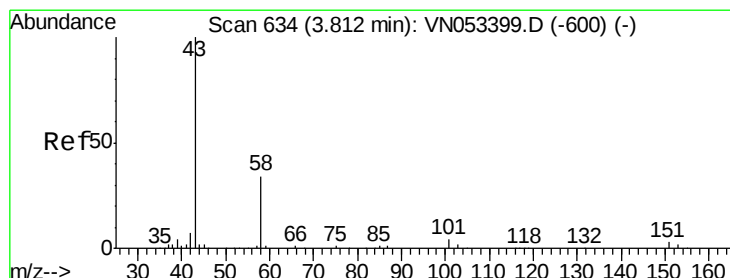
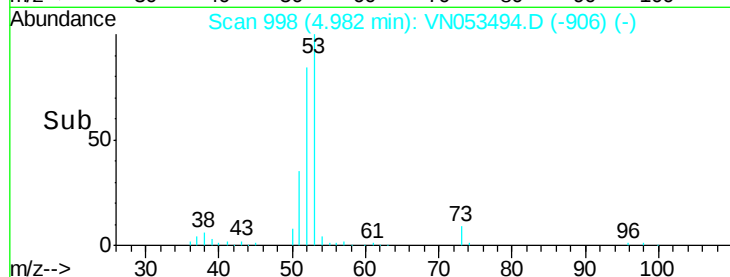
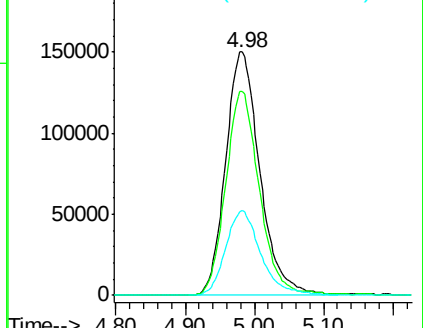
51 35.7 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 248.751 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN053494.D

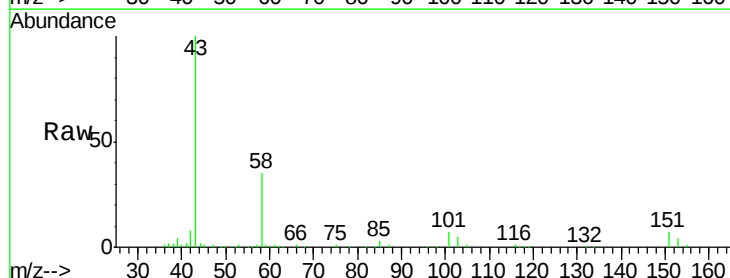
Acq: 21 Jan 2019 9:27

Tgt Ion: 43 Resp: 448632

Ion Ratio Lower Upper

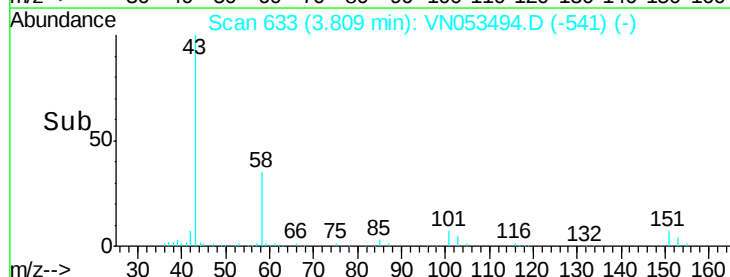
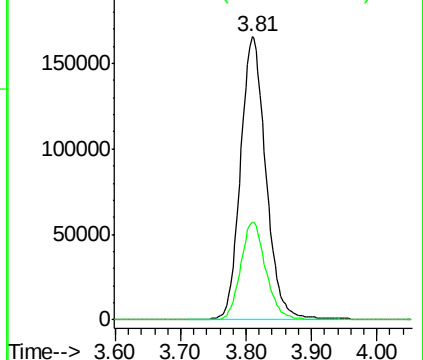
43 100

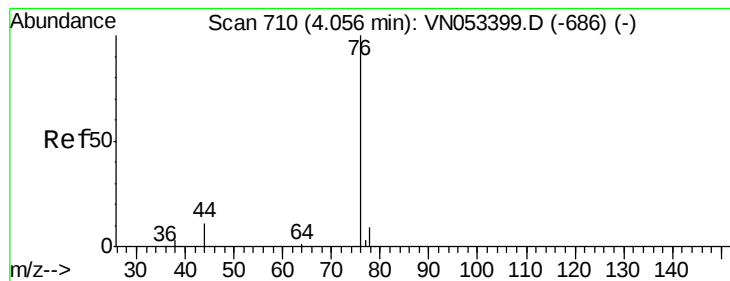
58 34.5 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 47.559 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

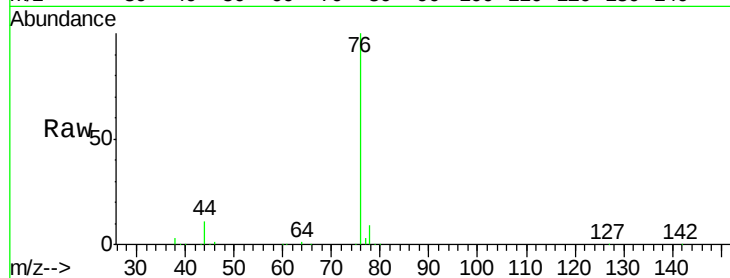
VSTDCCC050

Tot Ion: 76 Resp: 995862

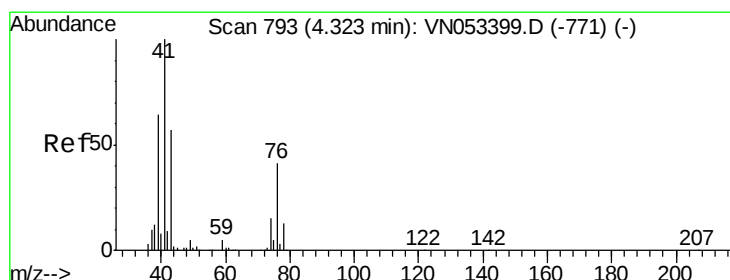
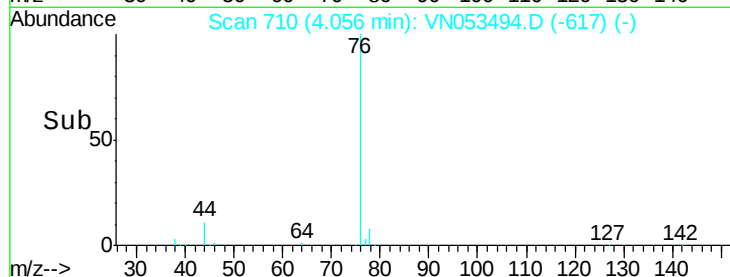
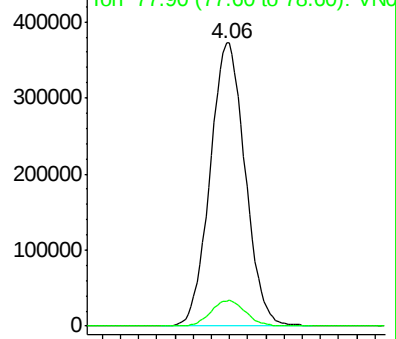
Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN053399.D (-686) (-)



#18

Methyl Acetate

Concen: 40.120 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN053494.D

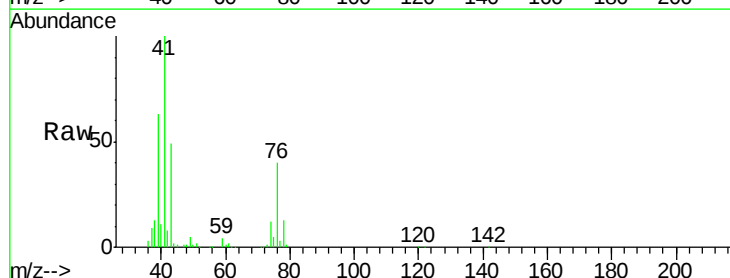
Acq: 21 Jan 2019 9:27

Tgt Ion: 43 Resp: 243787

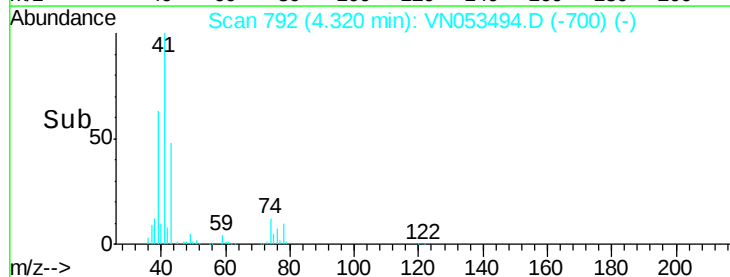
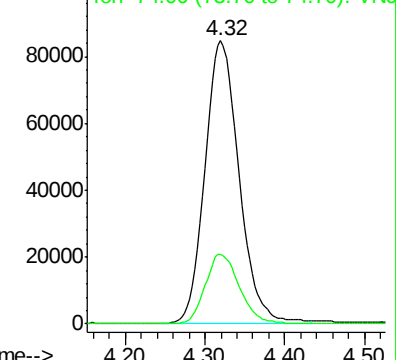
Ion Ratio Lower Upper

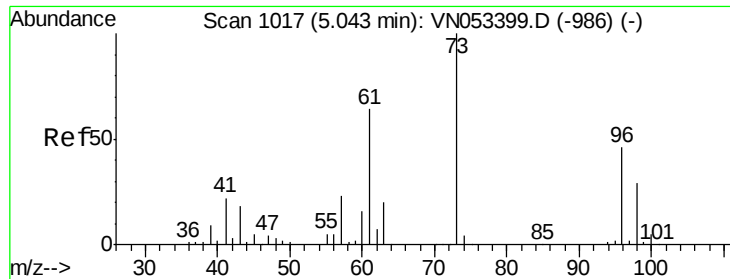
43 100

74 24.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-771) (-)

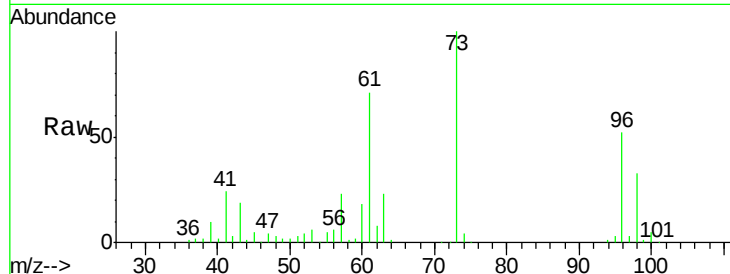




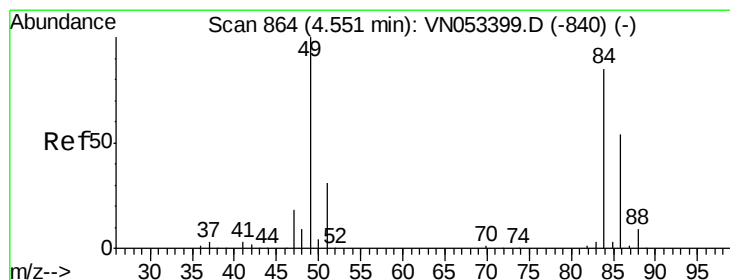
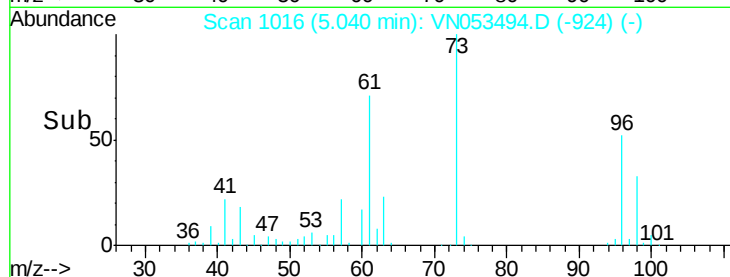
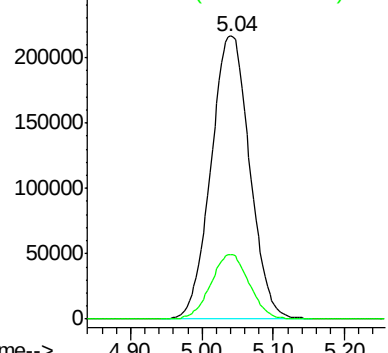
#19
Methvl tert-butvl Ether
Concen: 44.366 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 816245
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5

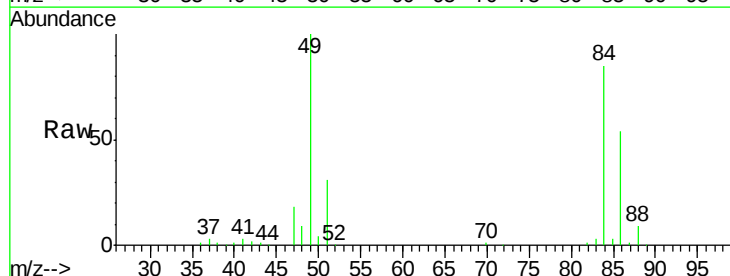


Abundance Ion 73.00 (72.70 to 73.70): VN053399.D (-986) (-)
Ion 57.00 (56.70 to 57.70): VN053399.D (-986) (-)

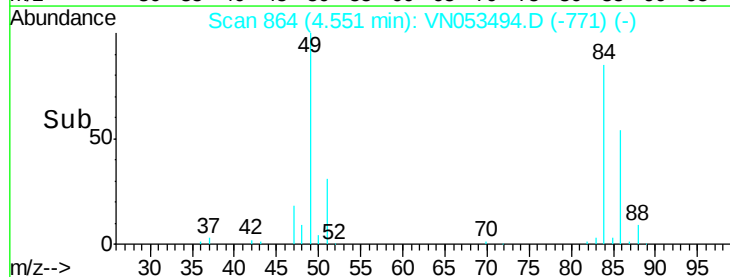
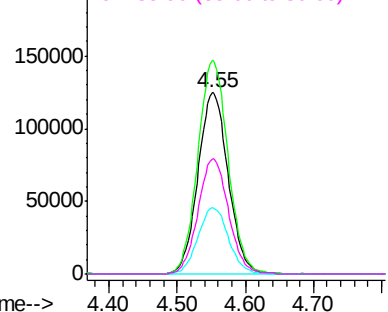


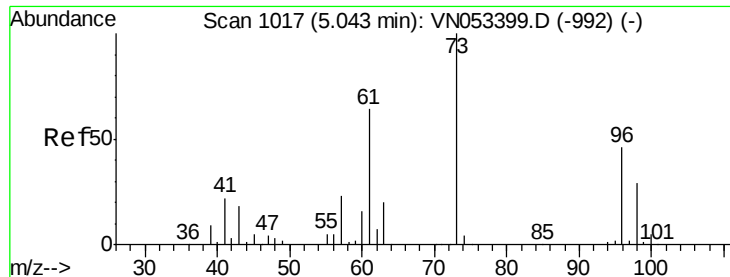
#20
Methylene Chloride
Concen: 46.694 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion: 84 Resp: 384486
Ion Ratio Lower Upper
84 100
49 117.4 94.3 141.5
51 36.5 29.4 44.2
86 63.7 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VN053399.D (-840) (-)
Ion 48.90 (48.60 to 49.60): VN053399.D (-840) (-)
Ion 50.90 (50.60 to 51.60): VN053399.D (-840) (-)
Ion 85.90 (85.60 to 86.60): VN053399.D (-840) (-)

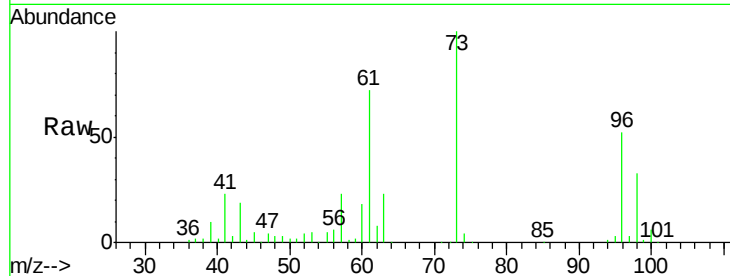




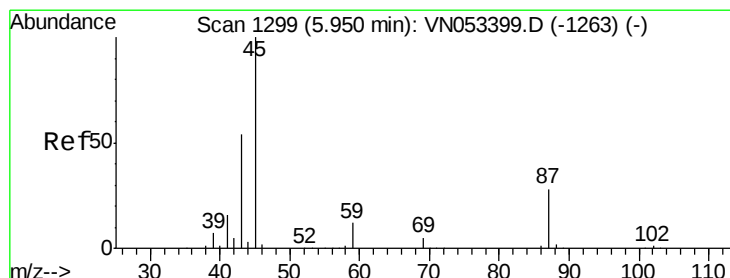
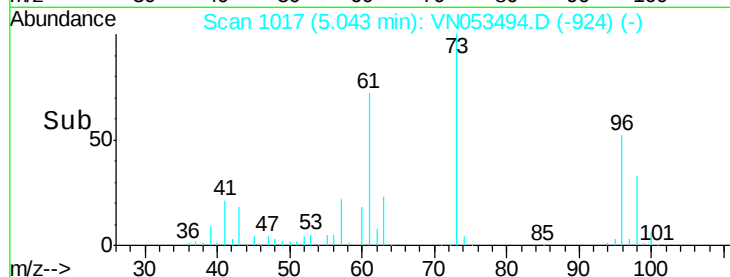
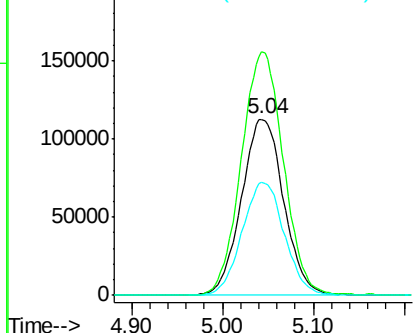
#21
trans-1,2-Dichloroethene
Concen: 49.059 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 363172
Ion Ratio Lower Upper
96 100
61 138.3 110.1 165.1
98 63.9 50.0 75.0

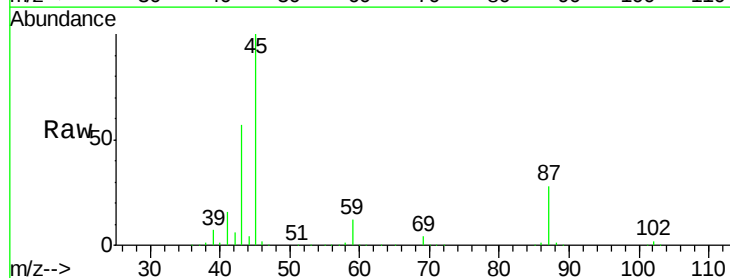


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

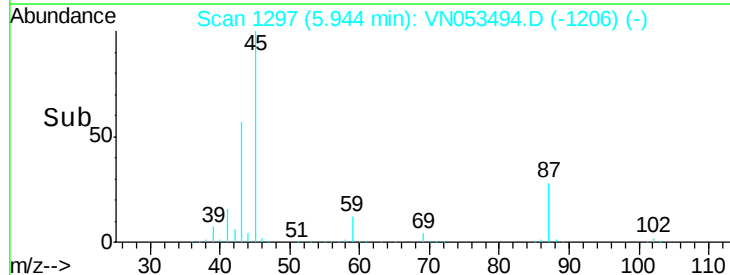
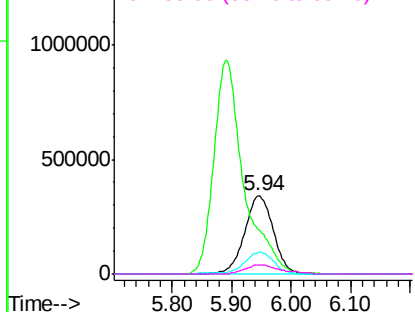


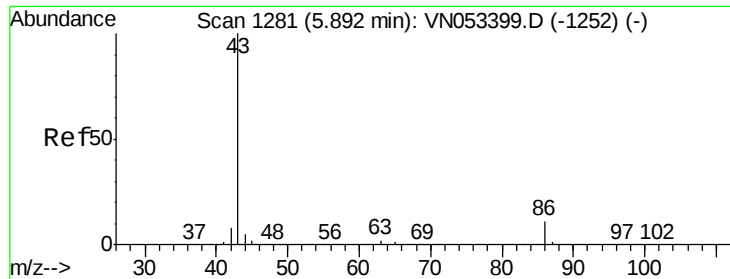
#22
Diisopropyl ether
Concen: 48.875 ug/l
RT: 5.94 min Scan# 1297
Delta R.T. -0.01 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion: 45 Resp: 1147565
Ion Ratio Lower Upper
45 100
43 56.4 44.2 66.4
87 27.6 22.7 34.1
59 11.5 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

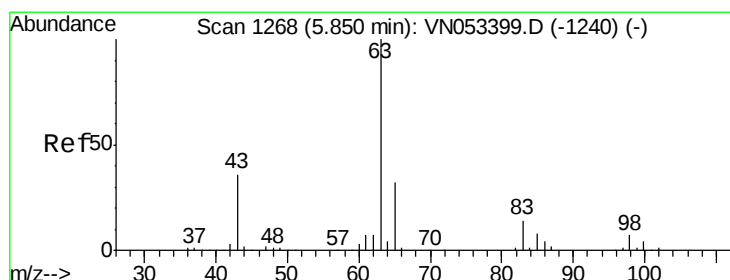
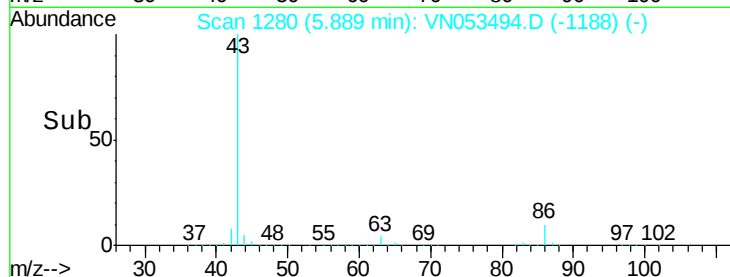
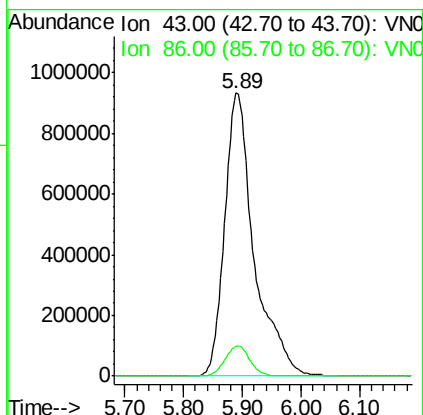
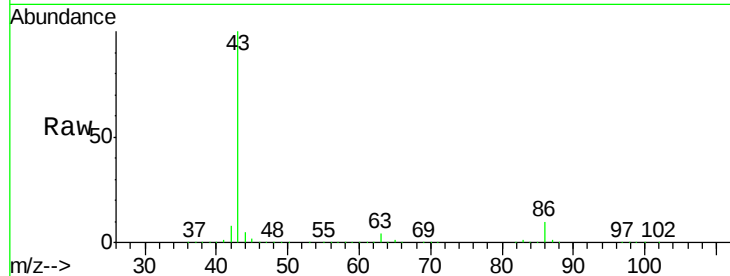




#23
 Vinyl Acetate
 Concen: 225.177 ug/l
 RT: 5.89 min Scan# 1280
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

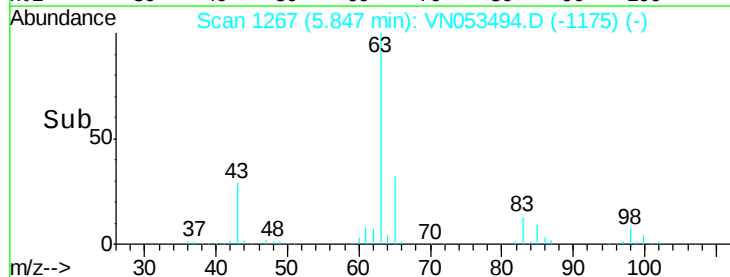
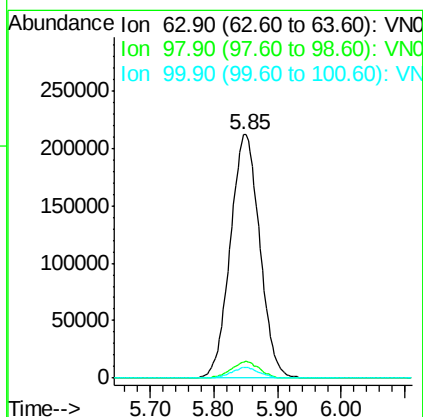
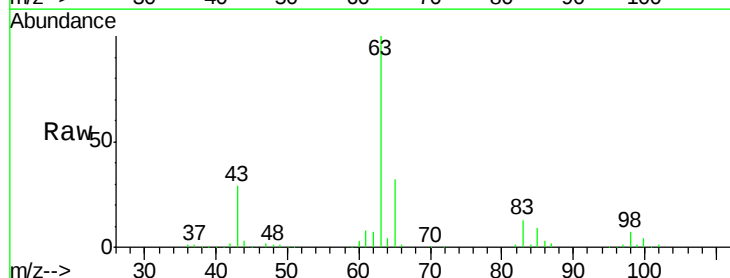
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

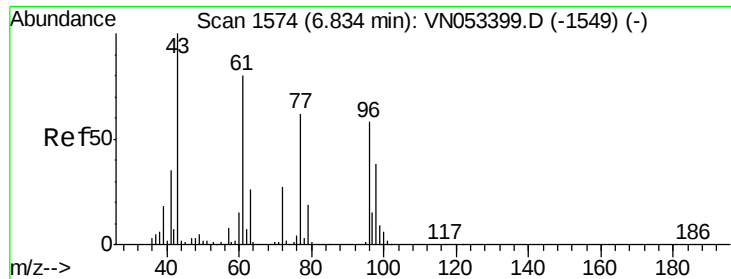
Tot Ion: 43 Resp: 3250029
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 49.108 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion: 63 Resp: 681635
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.9
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 213.882 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

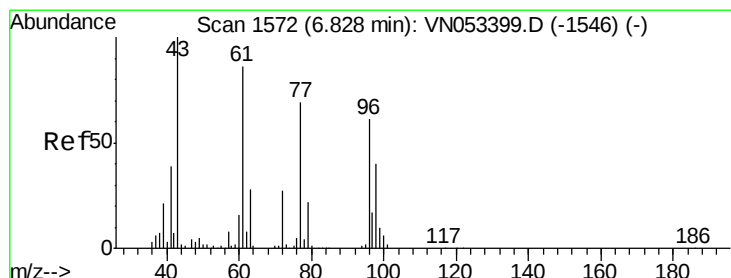
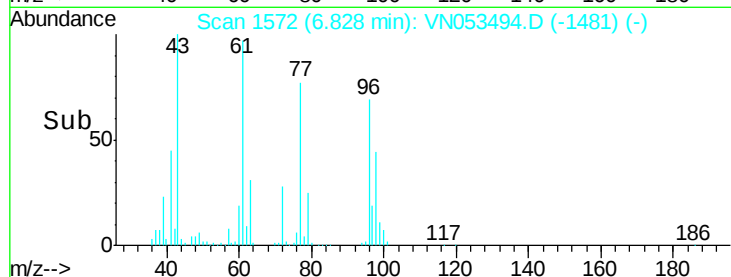
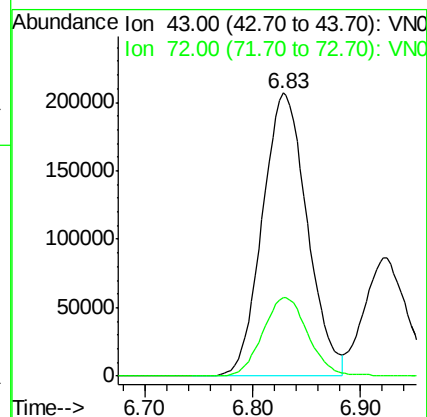
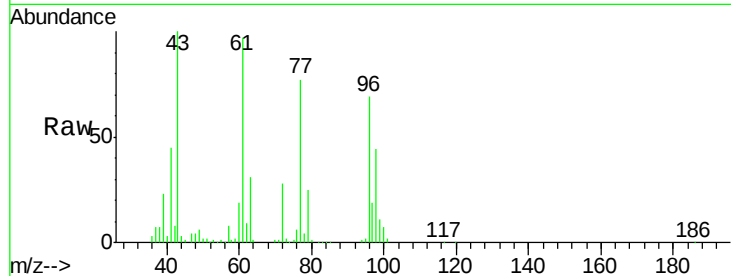
VSTDCCC050

Tot Ion: 43 Resp: 594437

Ion Ratio Lower Upper

43 100

72 27.7 22.0 33.0



#26

2,2-Dichloropropane

Concen: 49.517 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053494.D

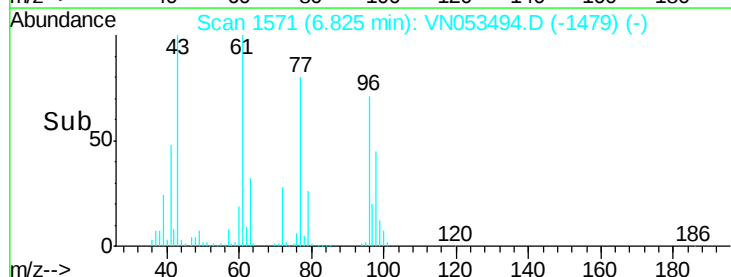
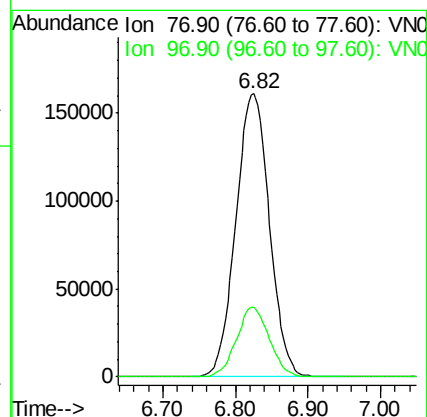
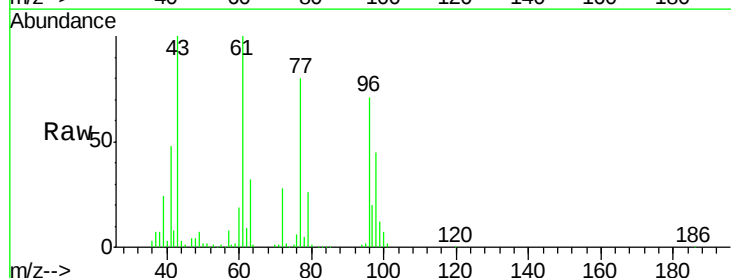
Acq: 21 Jan 2019 9:27

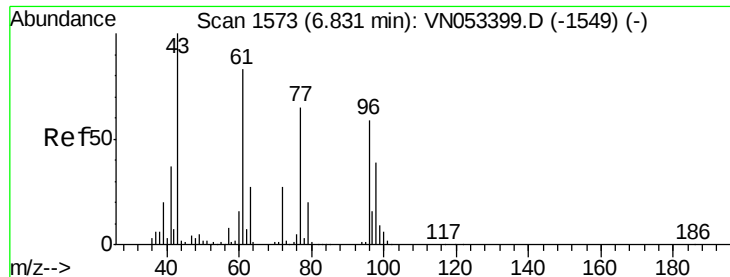
Tgt Ion: 77 Resp: 518931

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.389 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

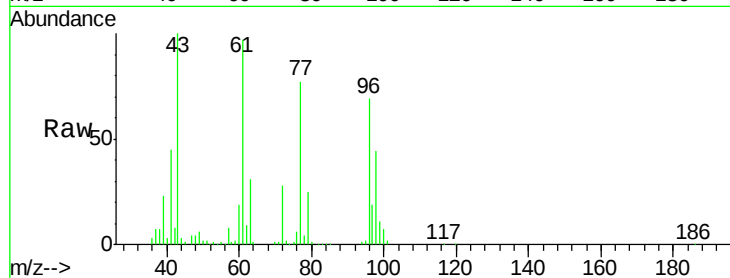
Tot Ion: 96 Resp: 418093

Ion Ratio Lower Upper

96 100

61 142.1 0.0 283.8

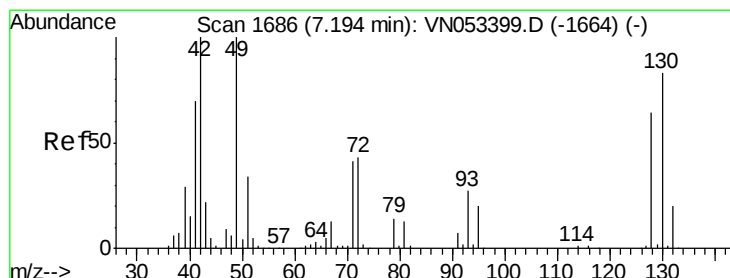
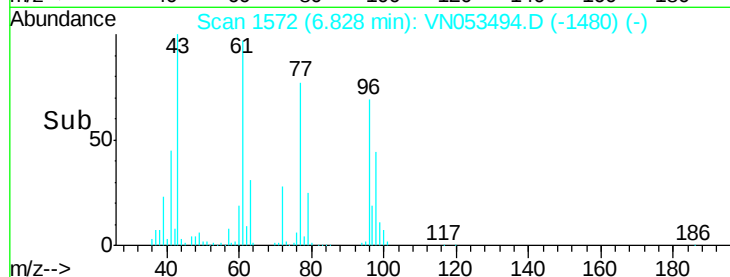
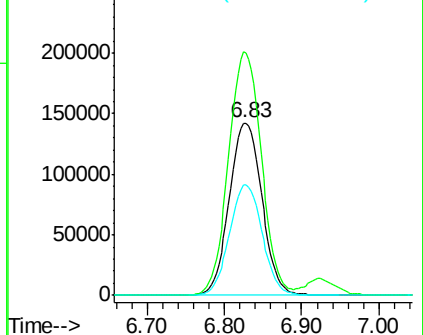
98 64.2 0.0 129.2



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: 47.530 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

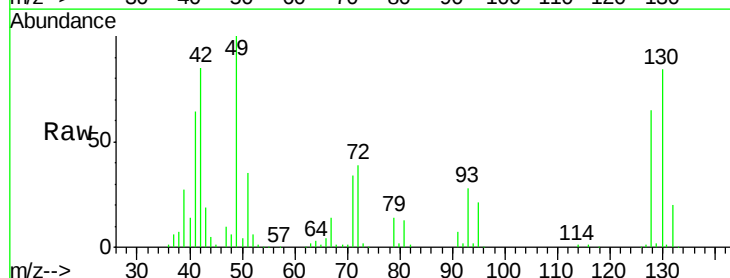
Tgt Ion: 49 Resp: 290639

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

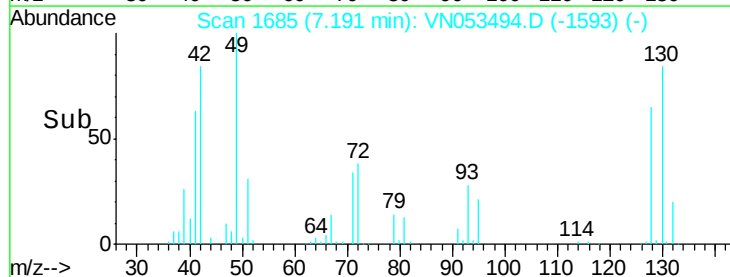
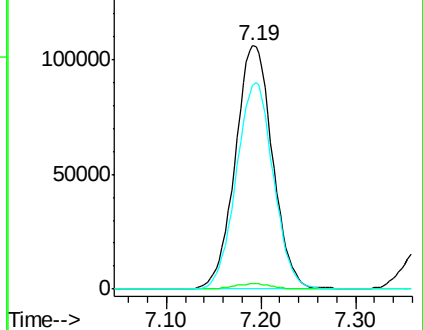
130 84.2 66.3 99.5

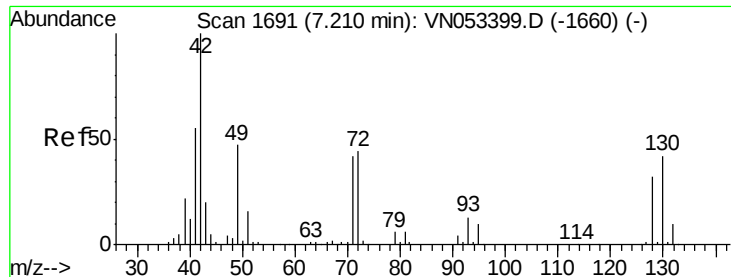


Abundance Ion 48.90 (48.60 to 49.60): VN053399.D (-1664) (-)

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

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

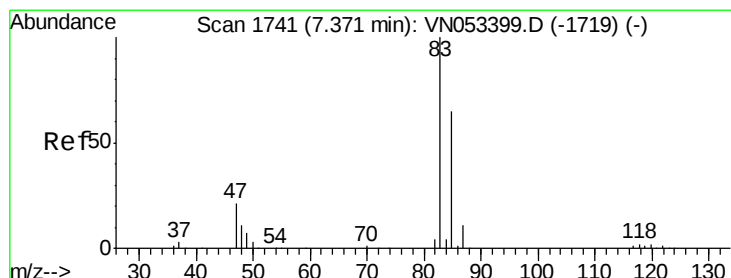
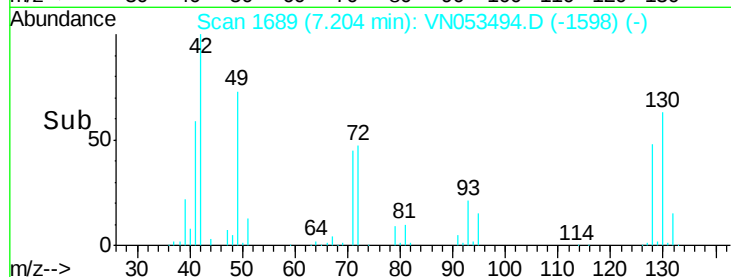
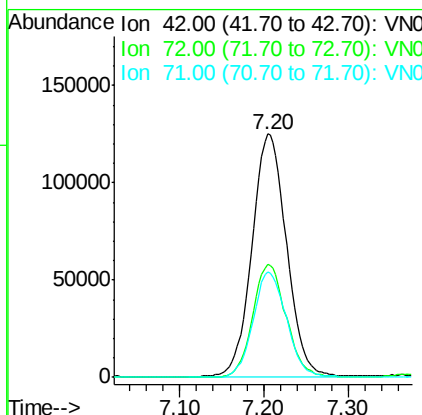
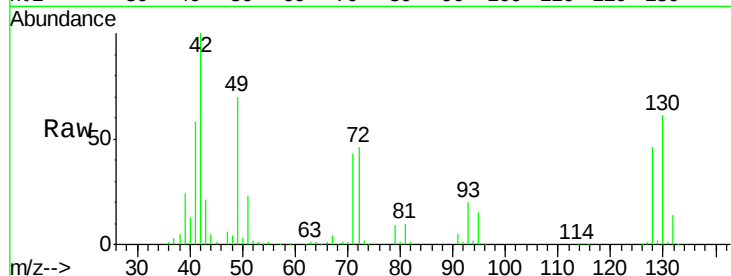




#29
Tetrahydrofuran
Concen: 196.554 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

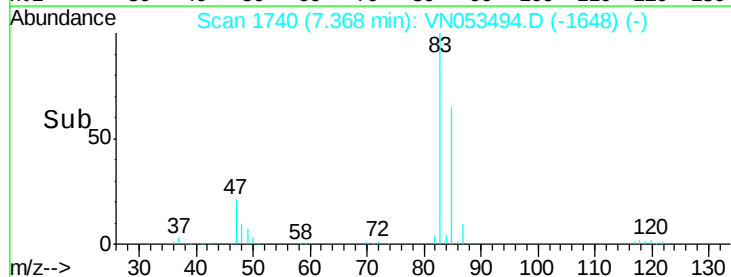
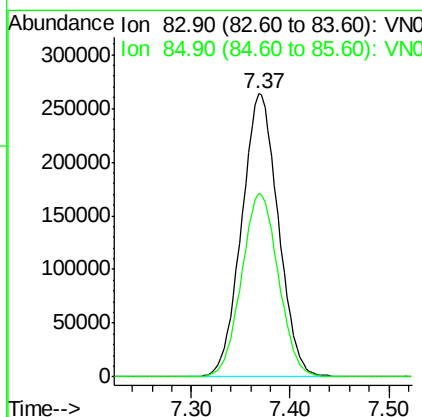
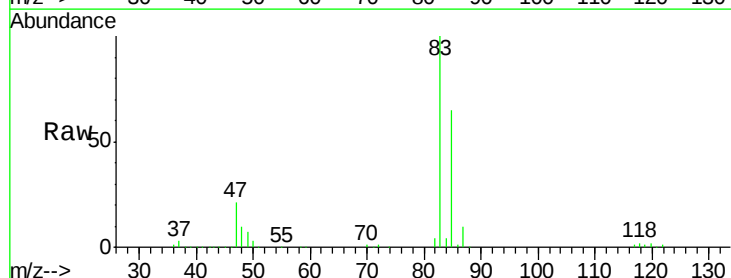
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

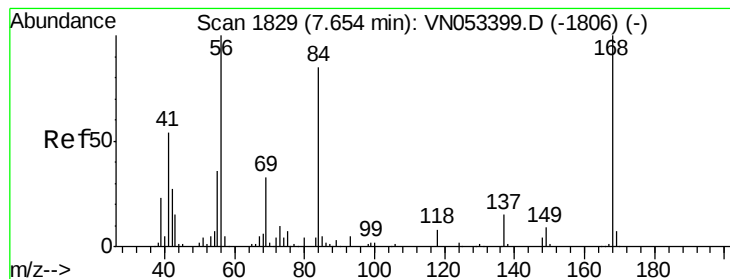
Tot Ion: 42 Resp: 355627
Ion Ratio Lower Upper
42 100
72 45.0 35.2 52.8
71 42.0 33.0 49.4



#30
Chloroform
Concen: 49.980 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion: 83 Resp: 675915
Ion Ratio Lower Upper
83 100
85 64.7 52.2 78.2





#31

Cyclohexane

Concen: 47.376 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

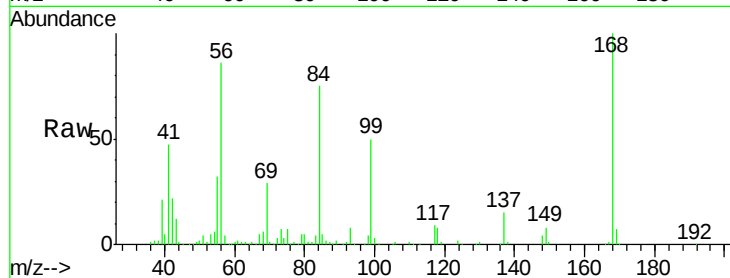
Tot Ion: 56 Resp: 640118

Ion Ratio Lower Upper

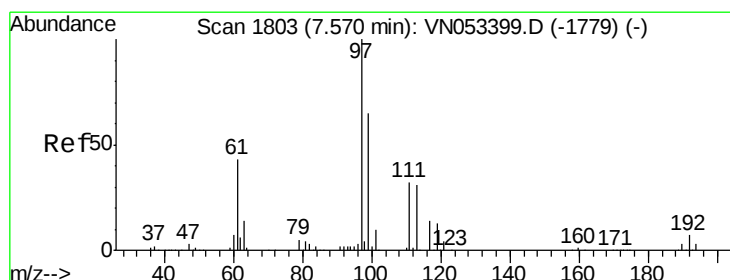
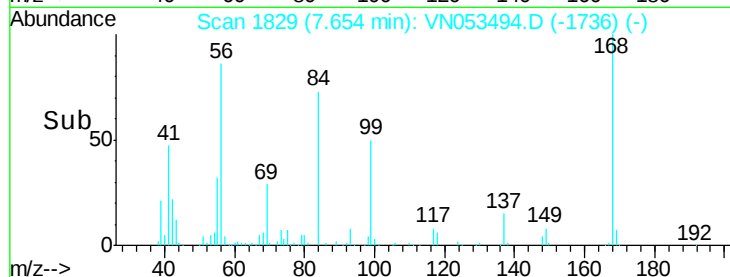
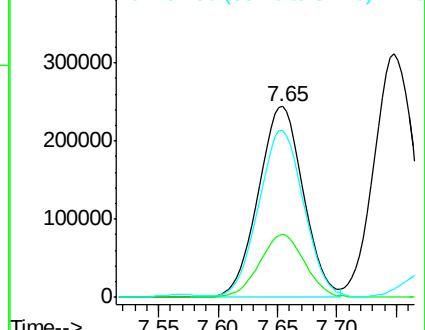
56 100

69 33.2 26.4 39.6

84 86.1 67.9 101.9



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



#32

1,1,1-Trichloroethane

Concen: 49.388 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

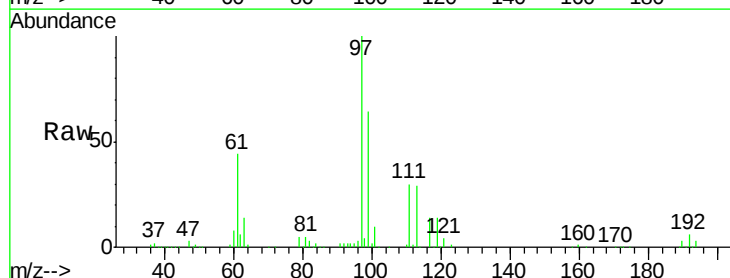
Tgt Ion: 97 Resp: 566581

Ion Ratio Lower Upper

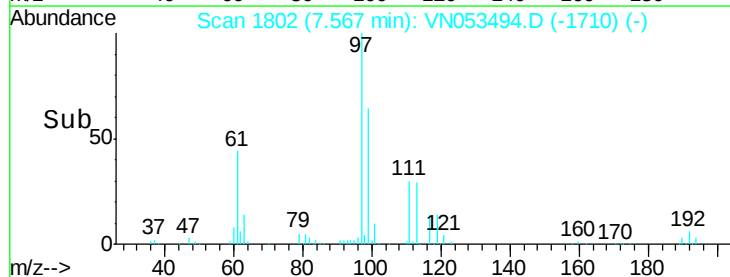
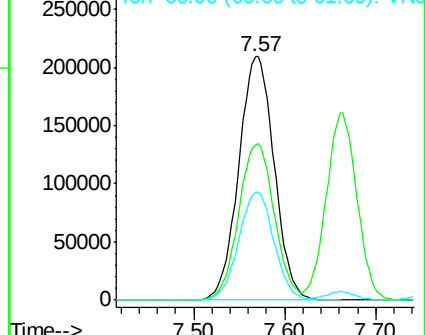
97 100

99 64.6 52.0 78.0

61 44.0 34.4 51.6



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

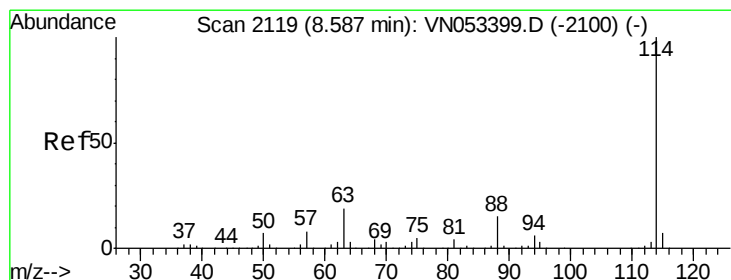
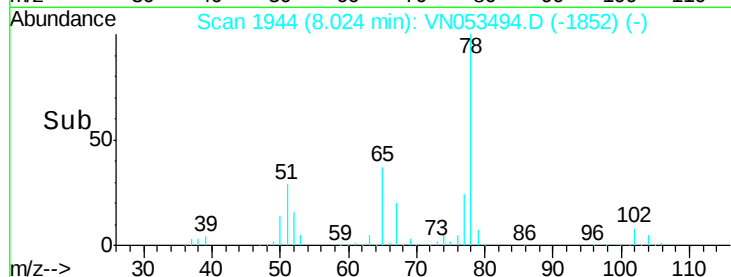
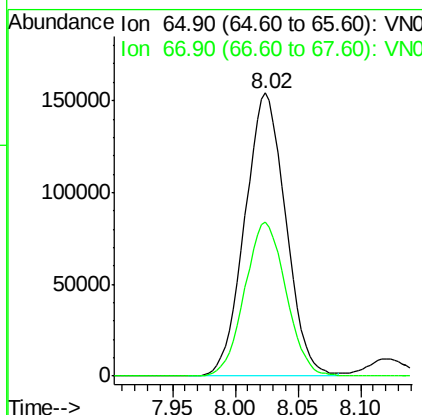
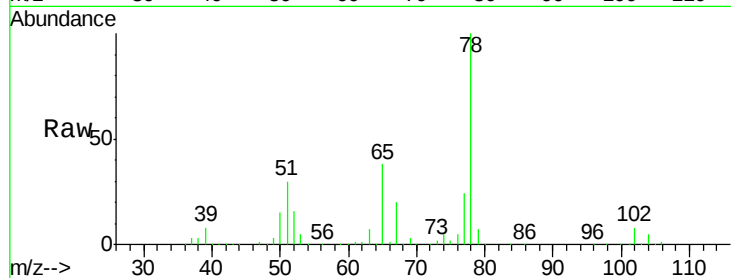




#33
 1,2-Dichloroethane-d4
 Concen: 49.388 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

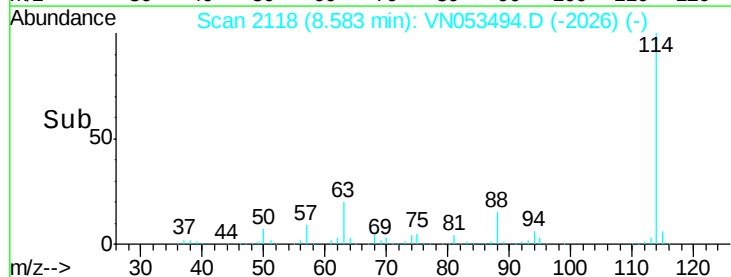
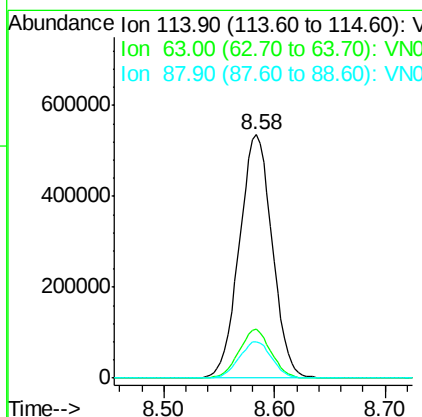
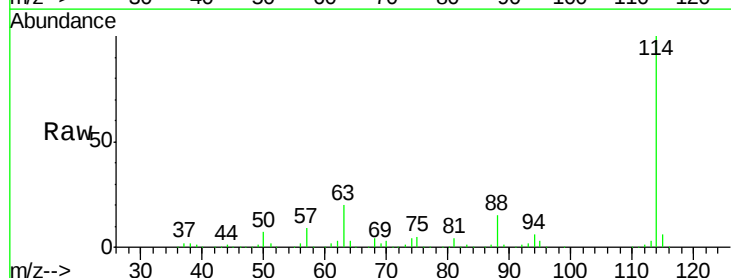
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

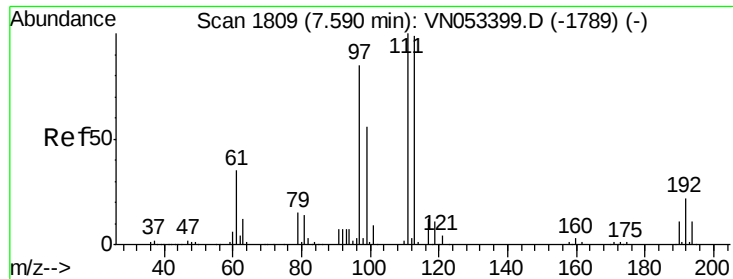
Tot Ion: 65 Resp: 350870
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion: 114 Resp: 1105872
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.6
 88 15.1 0.0 30.4

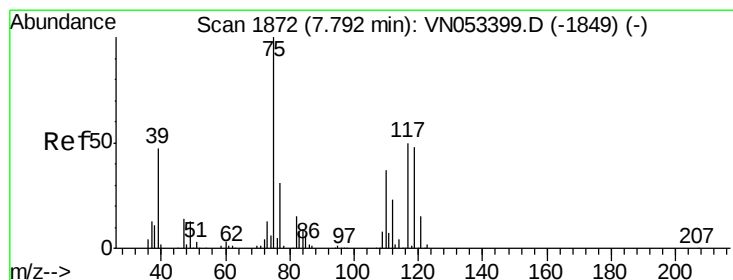
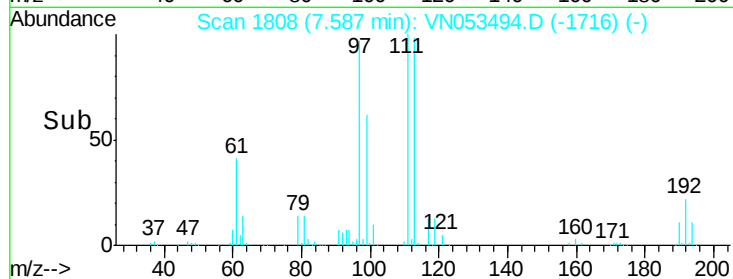
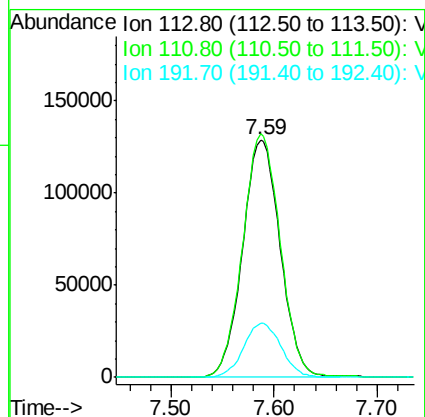
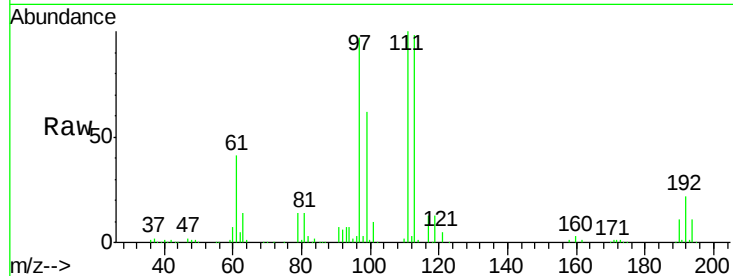




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

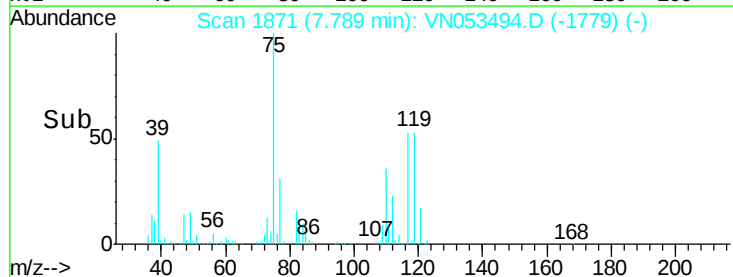
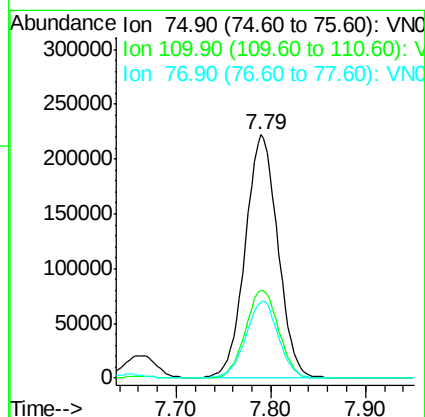
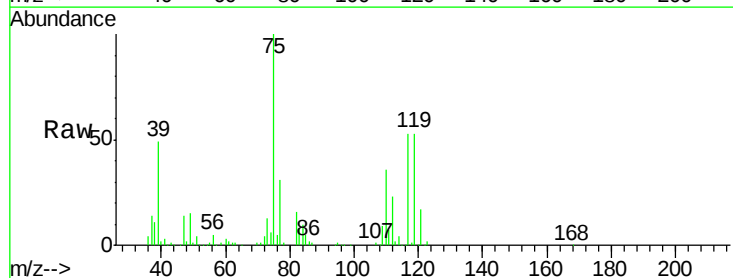
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

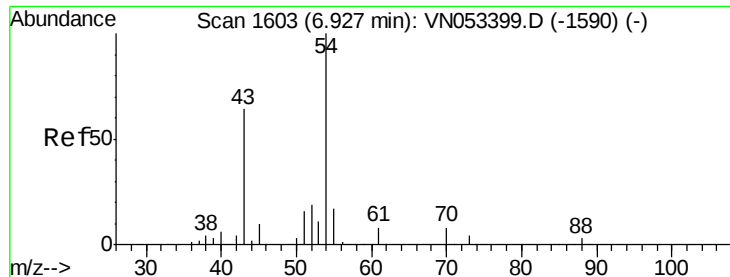
Tot Ion:113 Resp: 327050
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.1 121.7
 192 22.8 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 52.435 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion: 75 Resp: 528091
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.1 54.3
 77 32.0 25.1 37.7

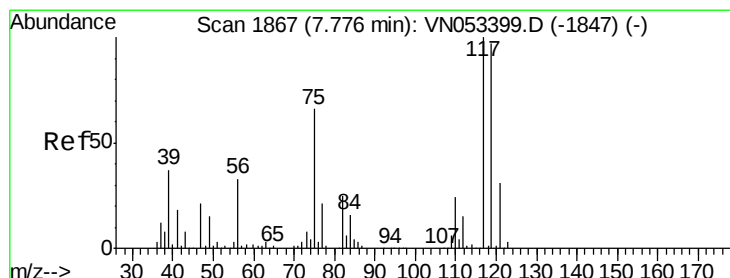
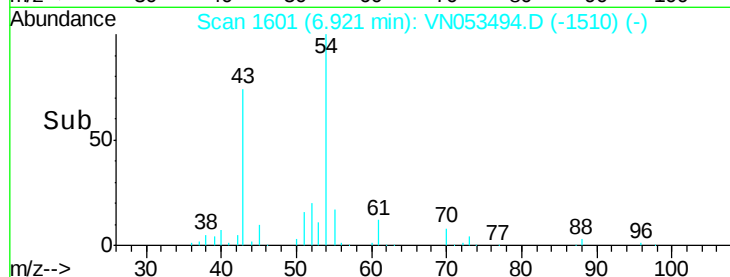
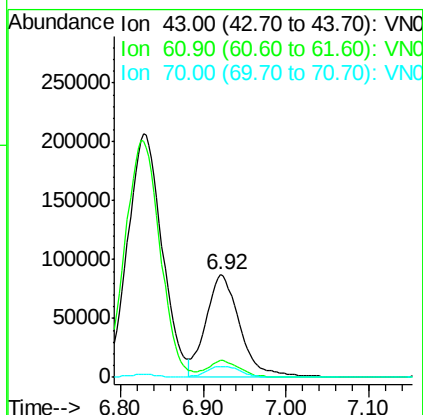
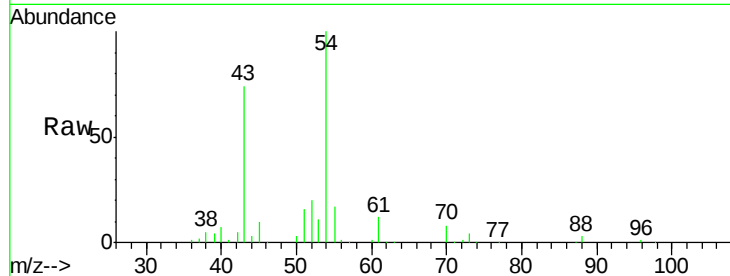




#37
Ethyl Acetate
Concen: 42.482 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

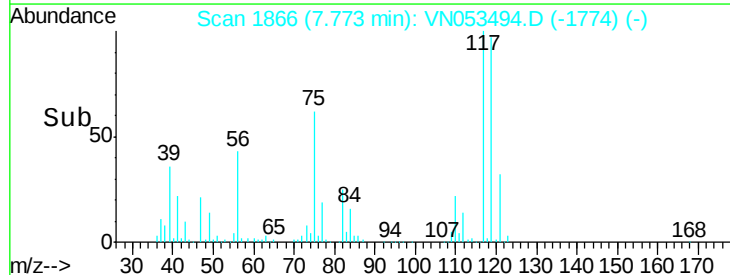
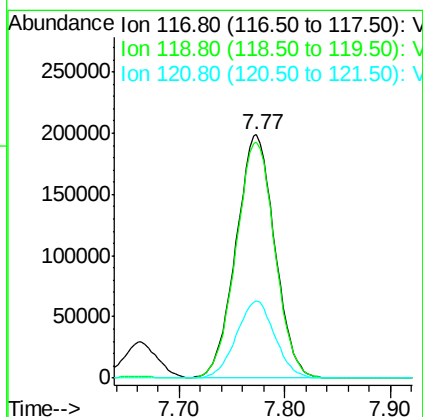
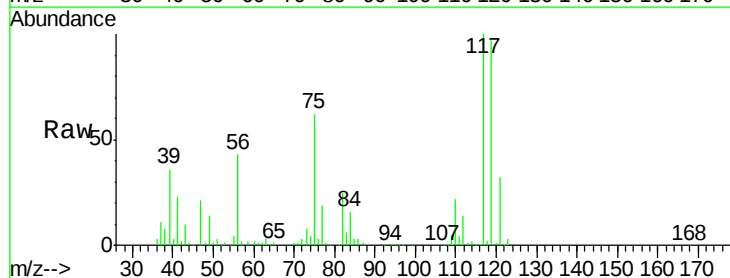
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

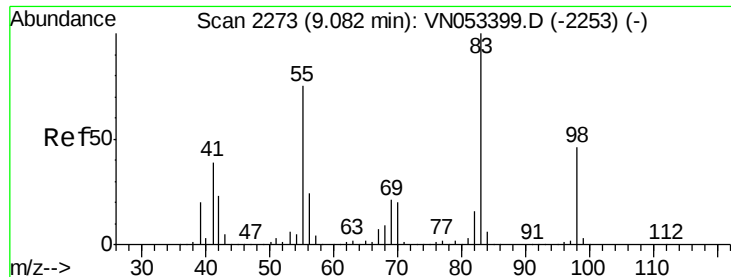
Tot Ion: 43 Resp: 246154
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.6
70 11.1 8.6 12.8



#38
Carbon Tetrachloride
Concen: 52.966 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion: 117 Resp: 505029
Ion Ratio Lower Upper
117 100
119 96.9 77.2 115.8
121 31.7 24.6 37.0

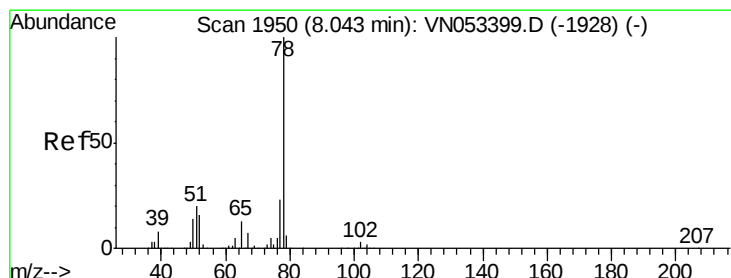
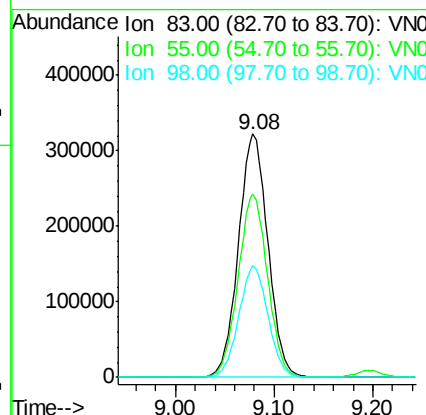
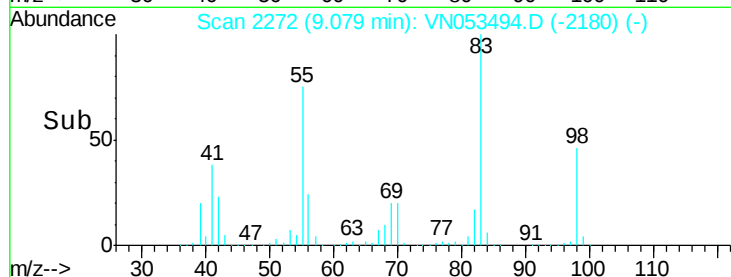
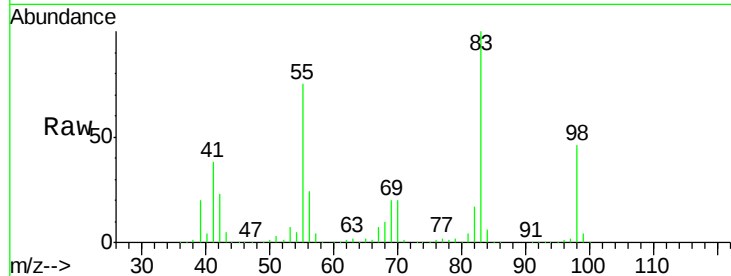




#39
Methvlcvclohexane
Concen: 53.667 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

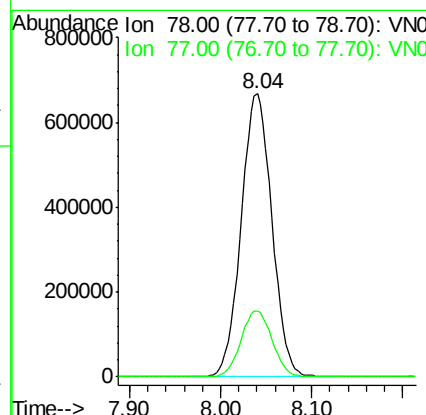
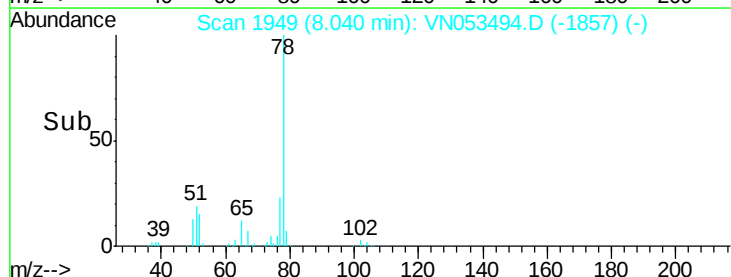
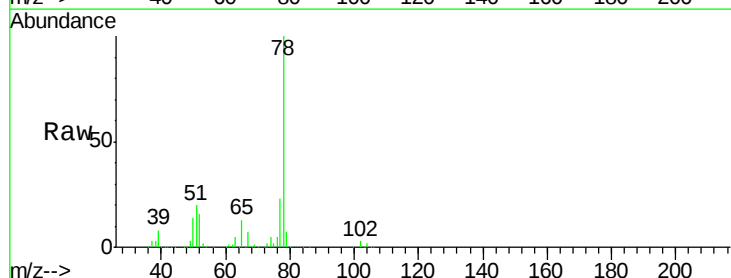
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

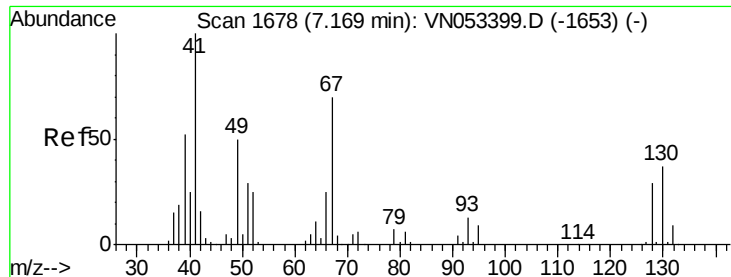
Tot Ion: 83 Resp: 668047
Ion Ratio Lower Upper
83 100
55 75.2 60.1 90.1
98 45.7 36.6 55.0



#40
Benzene
Concen: 51.185 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion: 78 Resp: 1566511
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

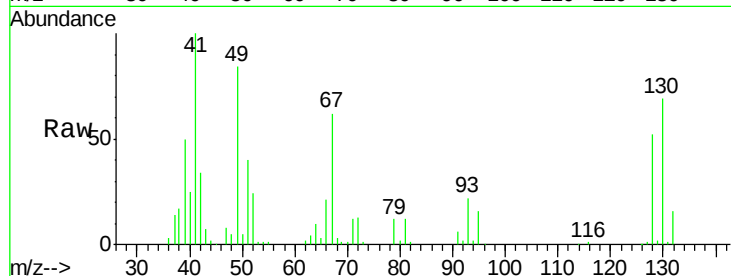




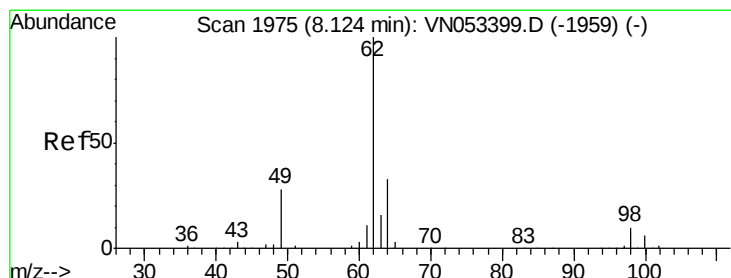
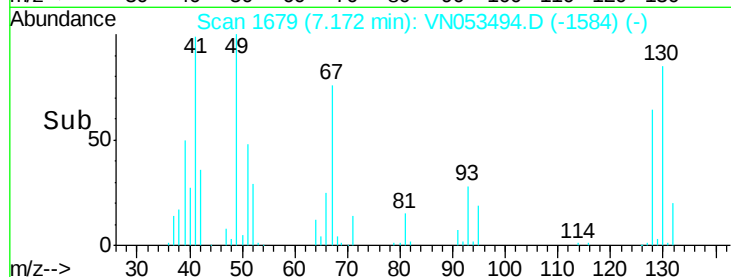
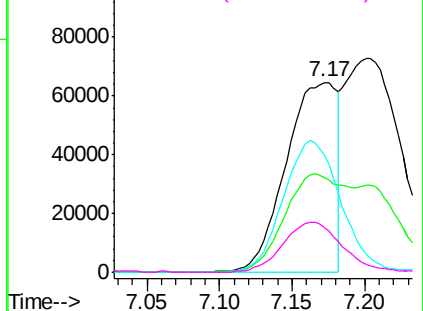
#41
Methacrylonitrile
Concen: 45.896 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 41 Resp: 157831
Ion Ratio Lower Upper
41 100
39 62.5 46.8 70.2
67 79.0 63.0 94.6
52 31.0 23.8 35.8

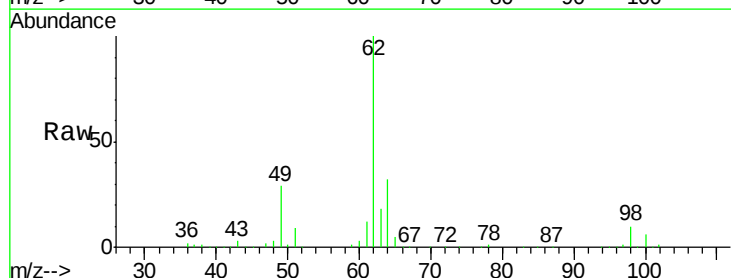


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

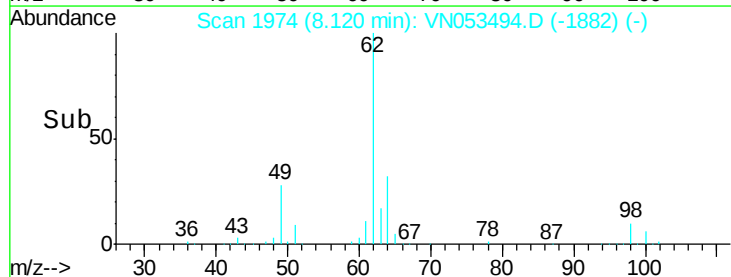
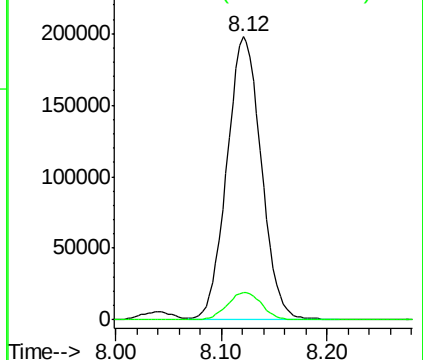


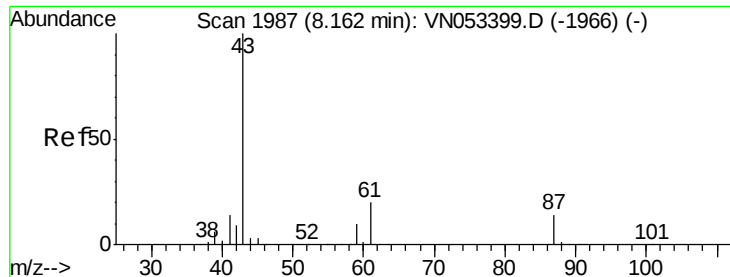
#42
1,2-Dichloroethane
Concen: 50.007 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion: 62 Resp: 445865
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 43.246 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

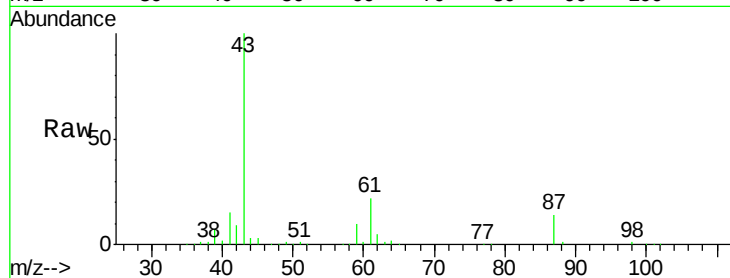
Tot Ion: 43 Resp: 450573

Ion Ratio Lower Upper

43 100

61 31.9 23.9 35.9

87 13.7 11.0 16.6

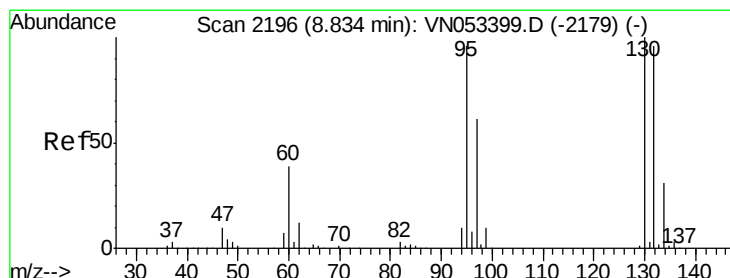
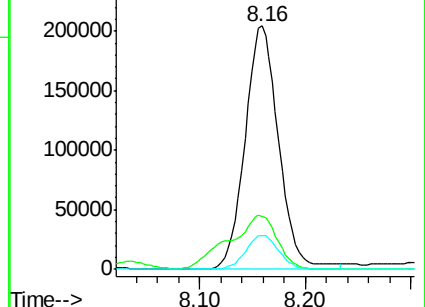
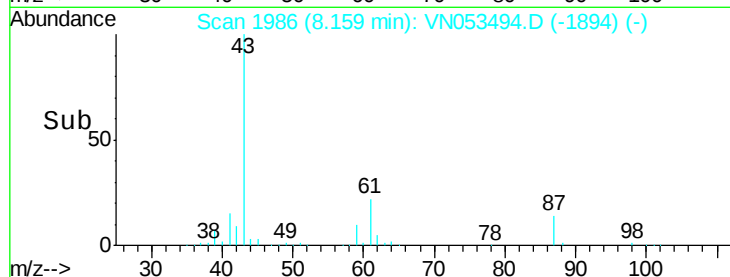


Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

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

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

Time-->



#44

Trichloroethene

Concen: 53.442 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053494.D

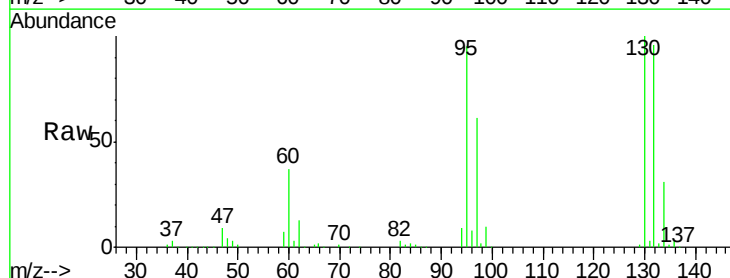
Acq: 21 Jan 2019 9:27

Tgt Ion:130 Resp: 453576

Ion Ratio Lower Upper

130 100

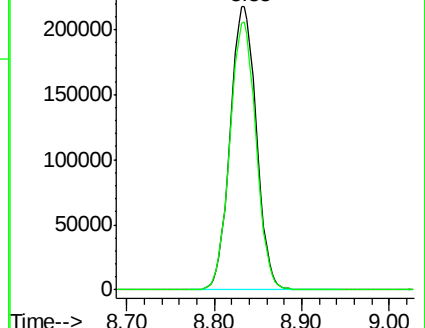
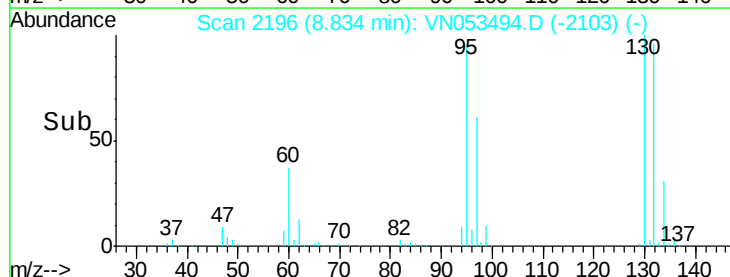
95 94.9 0.0 191.4

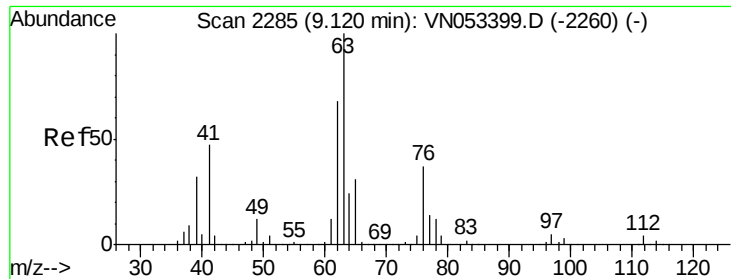


Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

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

Time-->





#45

1,2-Dichloropropane

Concen: 51.554 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

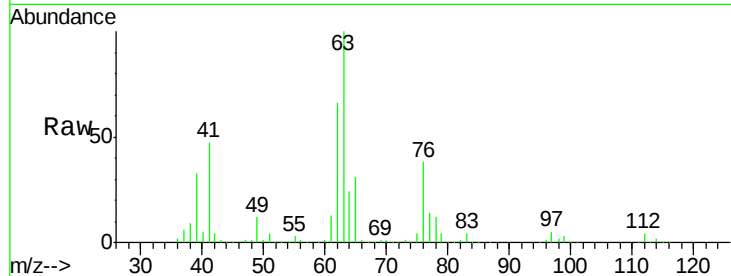
VSTDCCC050

Tot Ion: 63 Resp: 417908

Ion Ratio Lower Upper

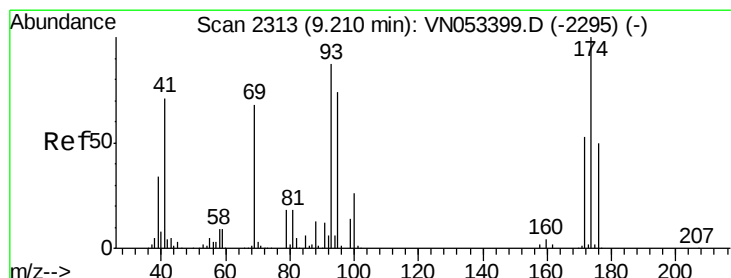
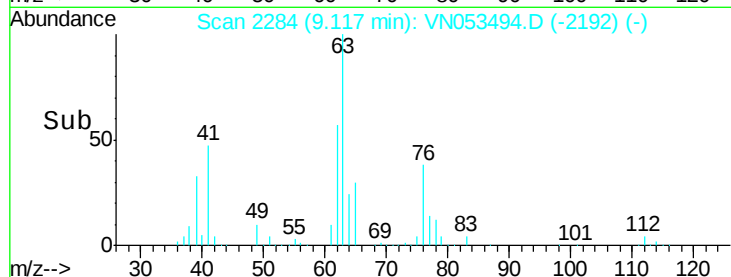
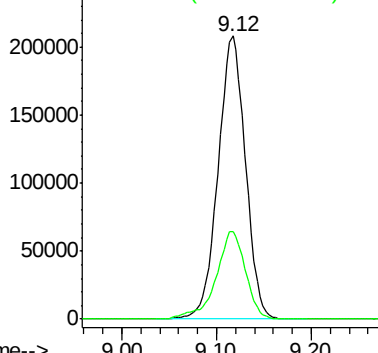
63 100

65 30.9 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.971 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.01 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

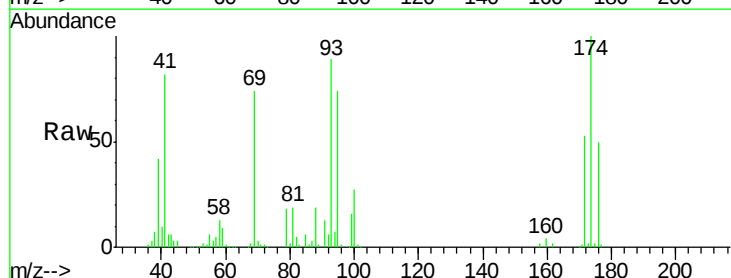
Tgt Ion: 93 Resp: 228076

Ion Ratio Lower Upper

93 100

95 82.8 67.3 100.9

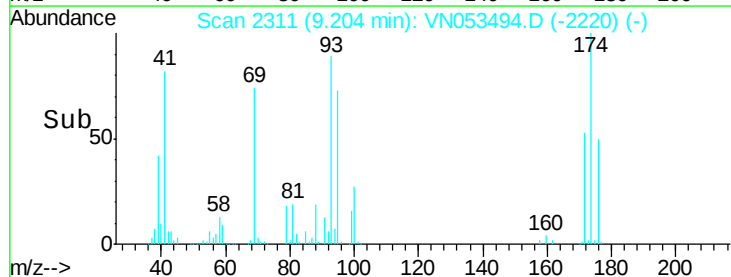
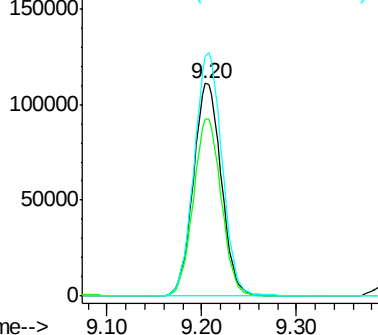
174 113.9 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.483 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

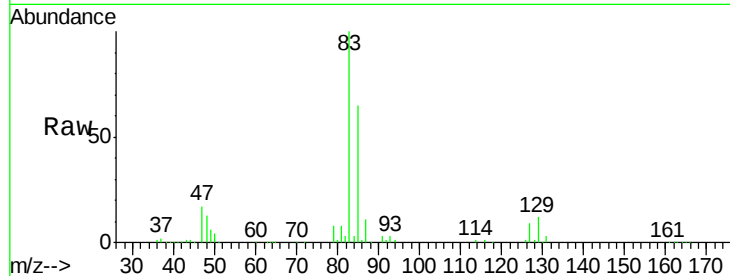
Tot Ion: 83 Resp: 514038

Ion Ratio Lower Upper

83 100

85 64.7 51.0 76.6

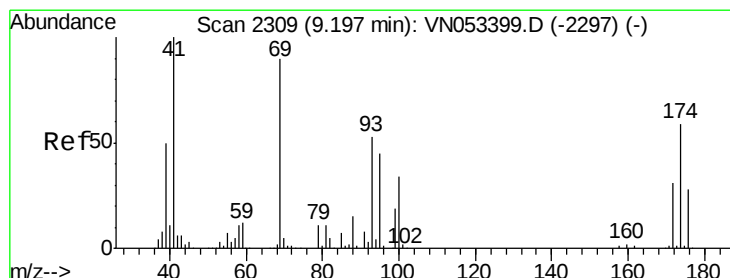
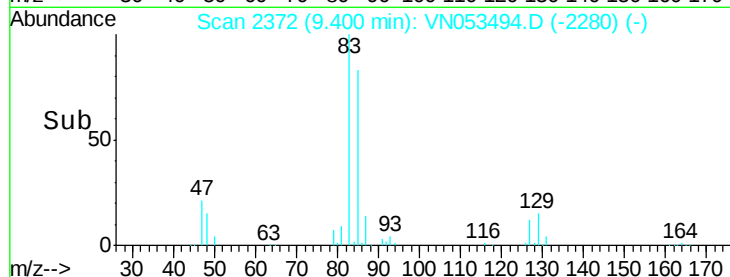
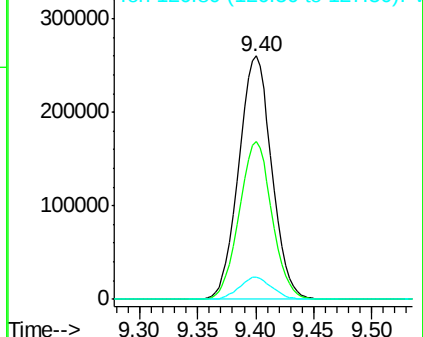
127 9.3 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN053399.D (-2355) (-)



#48

Methyl methacrylate

Concen: 42.705 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

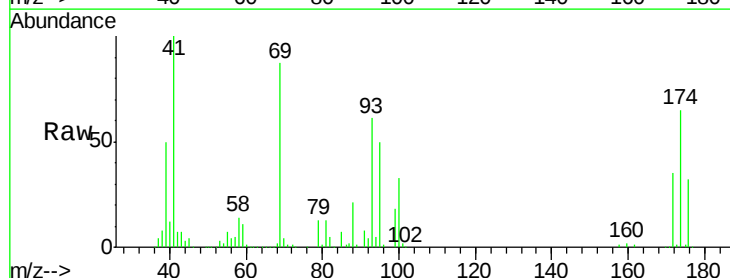
Tgt Ion: 41 Resp: 229732

Ion Ratio Lower Upper

41 100

69 93.1 73.8 110.6

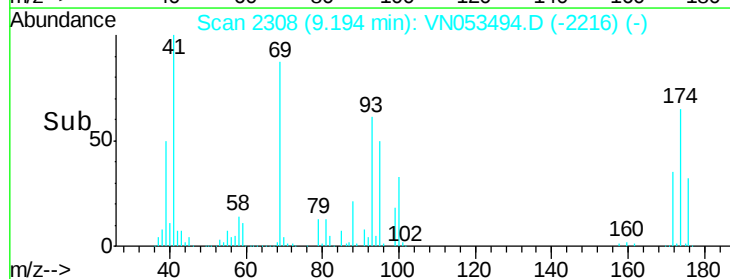
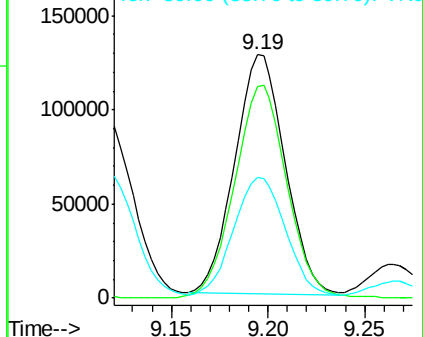
39 50.7 40.0 60.0

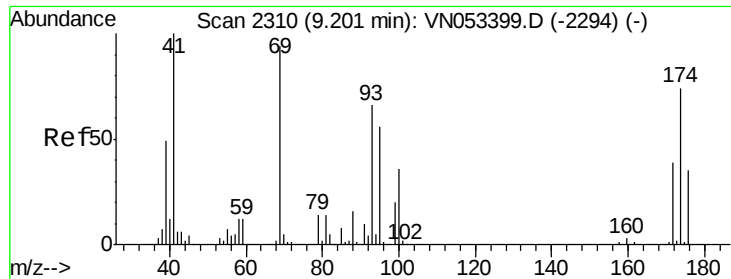


Abundance Ion 41.00 (40.70 to 41.70): VN053399.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN053399.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN053399.D (-2297) (-)





#49

1,4-Dioxane

Concen: 1079.817 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

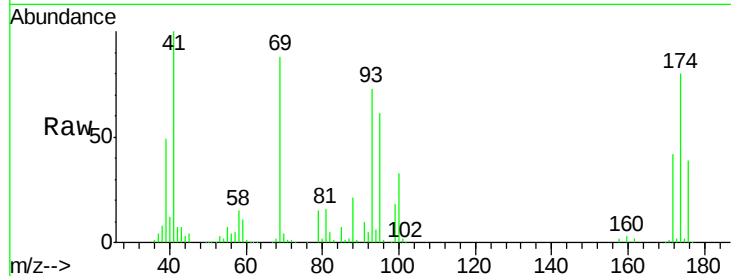
Tot Ion: 88 Resp: 56731

Ion Ratio Lower Upper

88 100

43 30.9 27.8 41.6

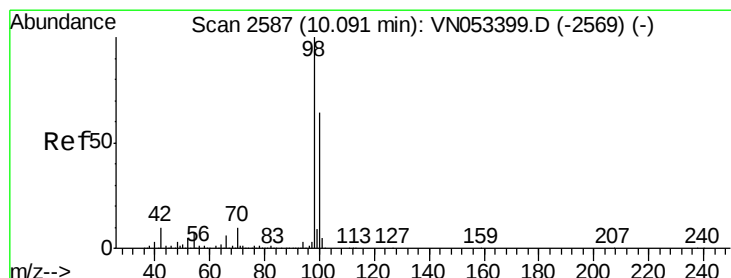
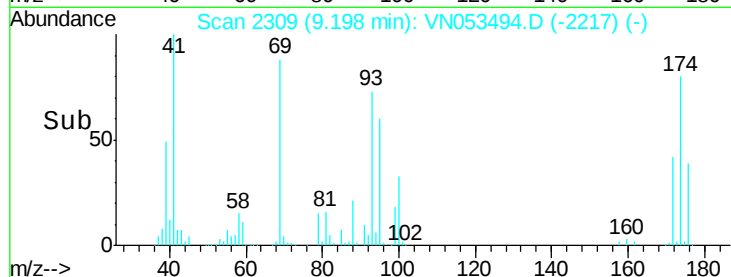
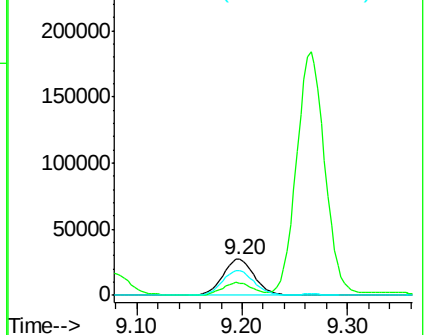
58 69.5 56.5 84.7



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: 1079.817 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053494.D

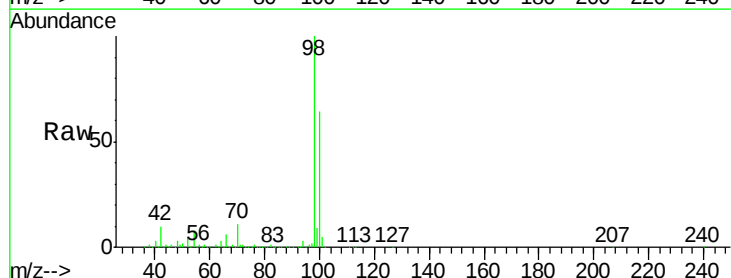
Acq: 21 Jan 2019 9:27

Tgt Ion: 98 Resp: 1349119

Ion Ratio Lower Upper

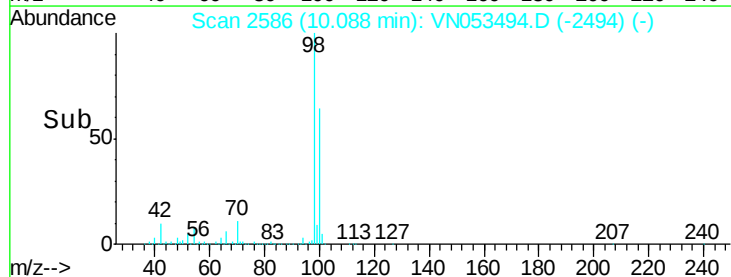
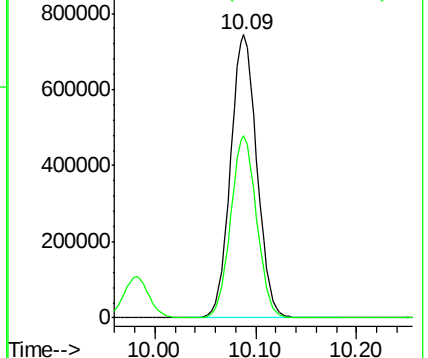
98 100

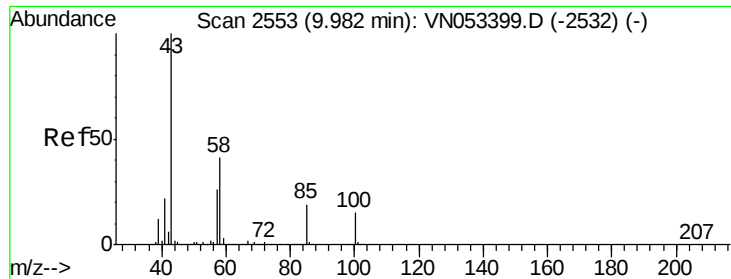
100 63.5 51.4 77.0



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

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

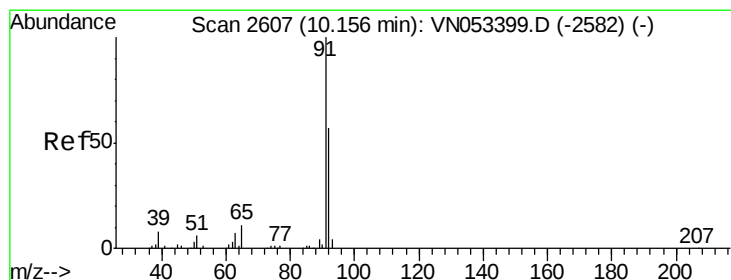
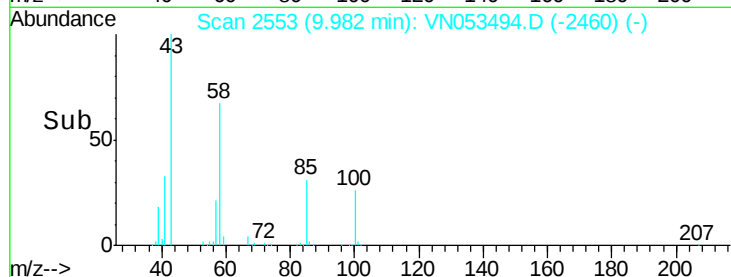
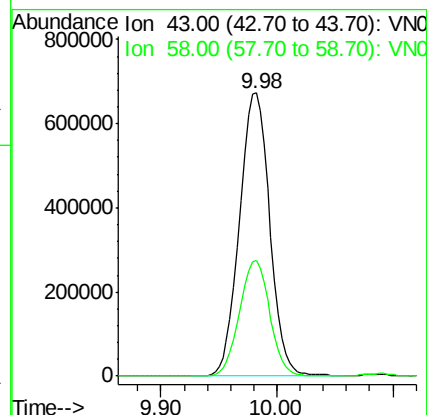
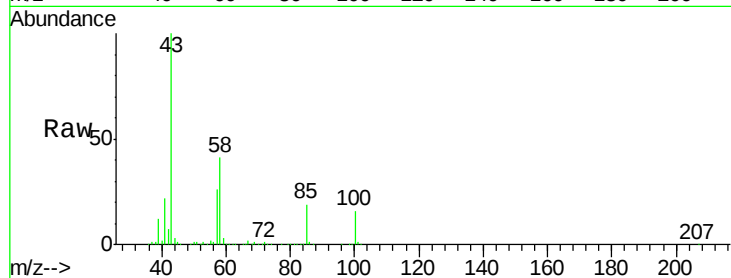




#51
 4-Methyl-2-Pentanone
 Concen: 213.548 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

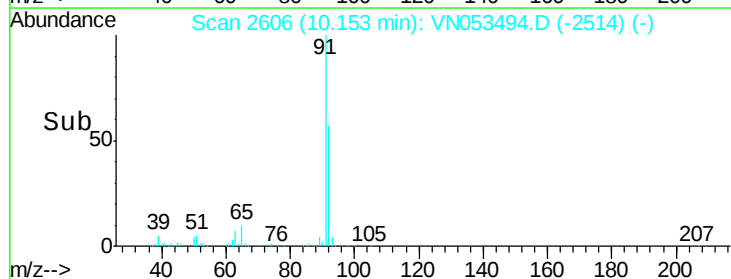
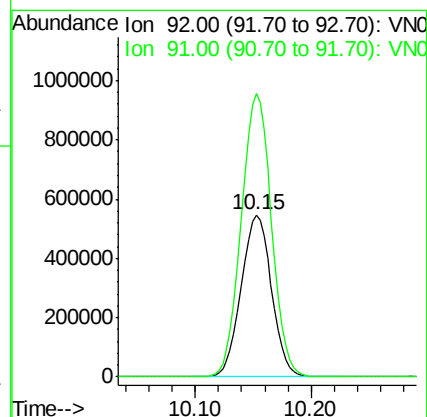
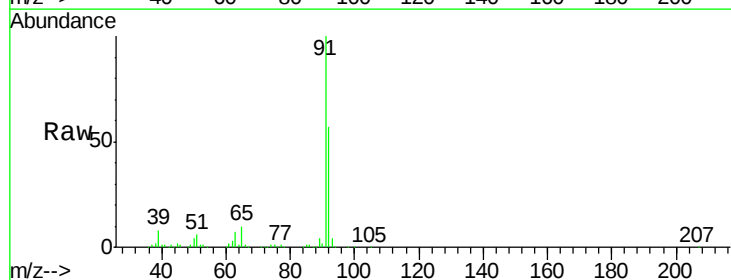
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

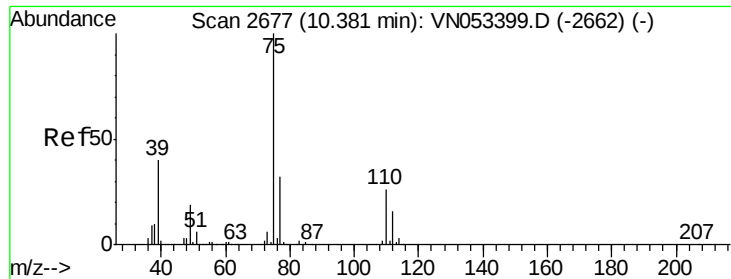
Tot Ion: 43 Resp: 1214578
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.8 49.2



#52
 Toluene
 Concen: 52.024 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion: 92 Resp: 988467
 Ion Ratio Lower Upper
 92 100
 91 174.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 51.163 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

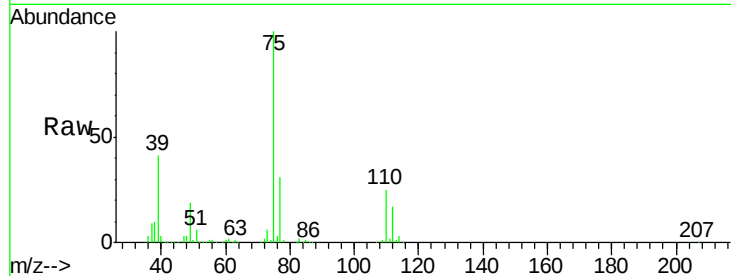
VSTDCCC050

Tot Ion: 75 Resp: 507928

Ion Ratio Lower Upper

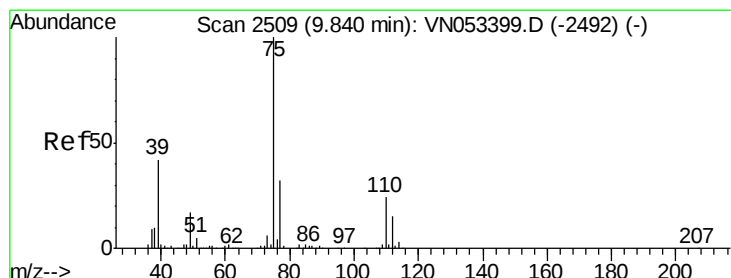
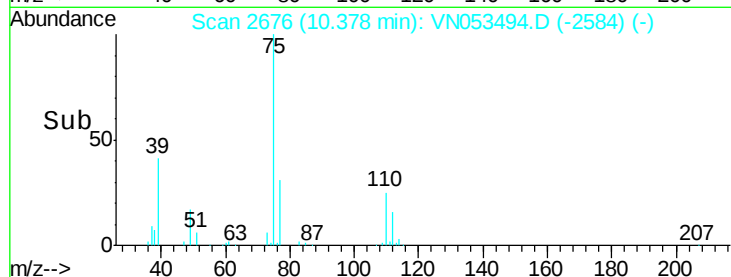
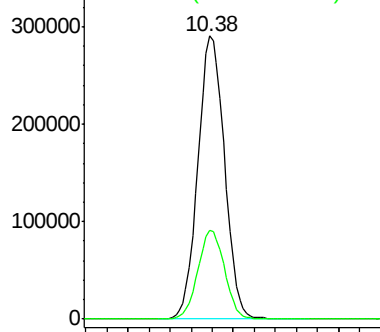
75 100

77 31.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 52.201 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

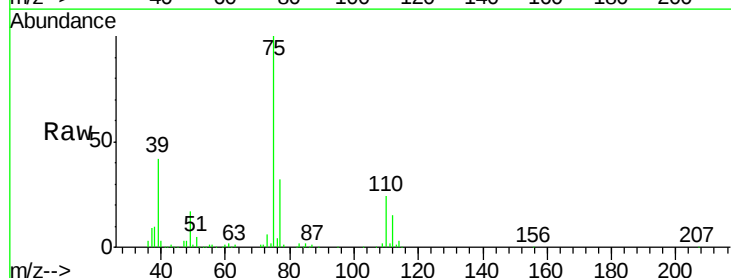
Tgt Ion: 75 Resp: 607495

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6

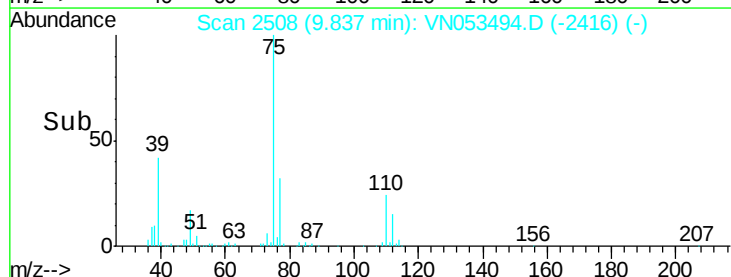
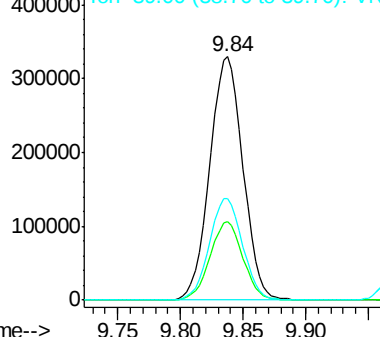
39 41.9 33.4 50.0

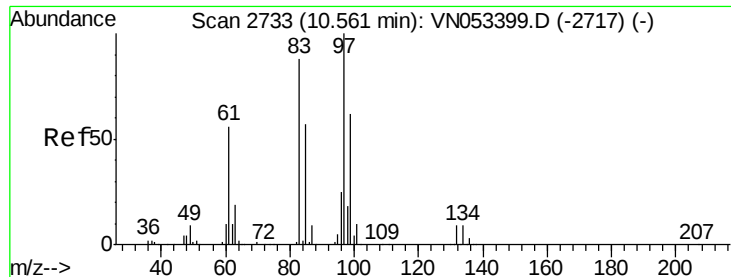


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



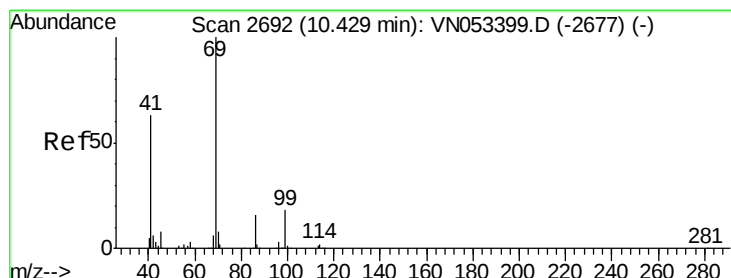
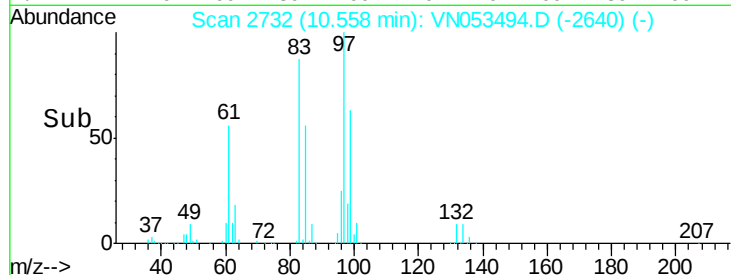
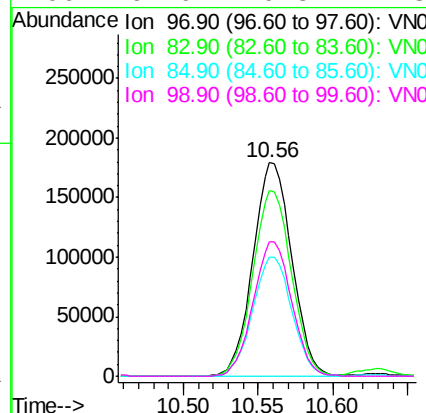
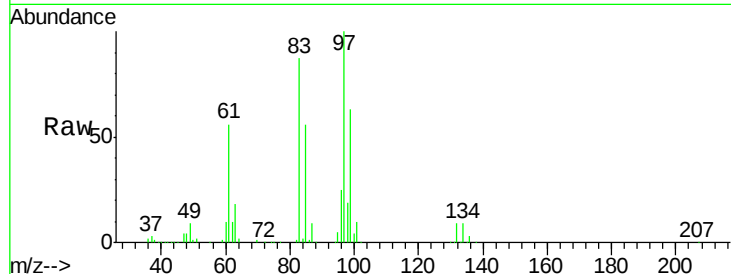


#55
 1,1,2-Trichloroethane
 Concen: 49.487 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 324165

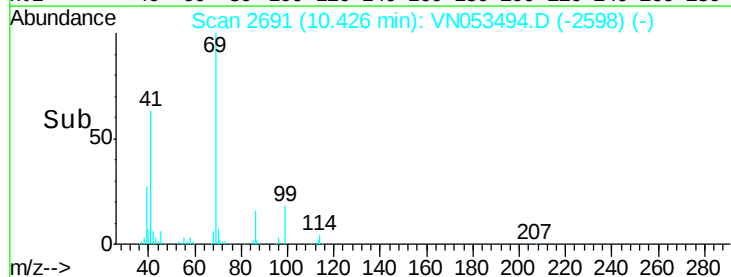
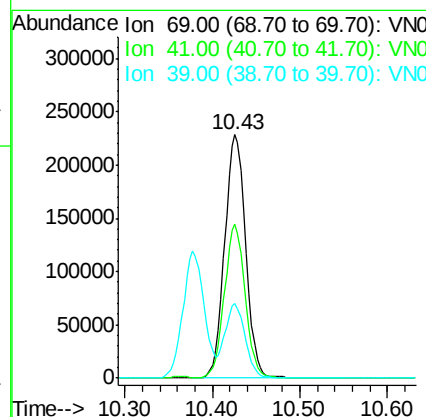
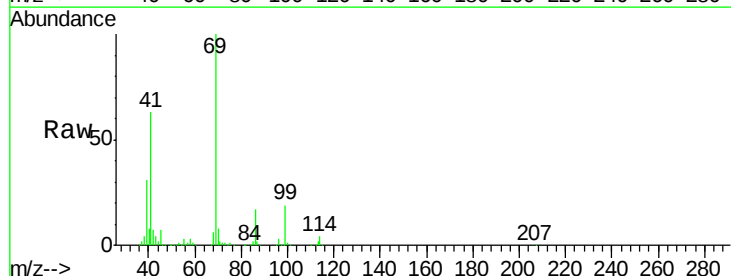
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.1	105.1
85	55.9	45.4	68.0
99	62.9	49.8	74.8

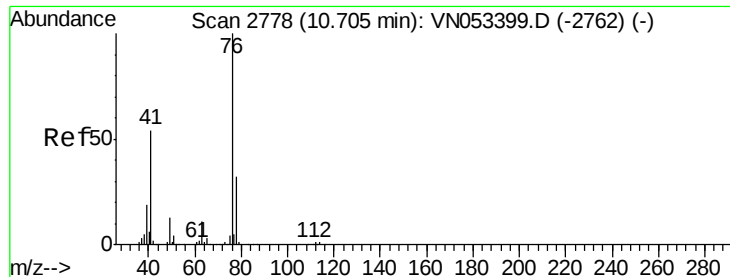


#56
 Ethyl methacrylate
 Concen: 41.330 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion: 69 Resp: 380763

Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.4	74.0
39	30.0	23.3	34.9

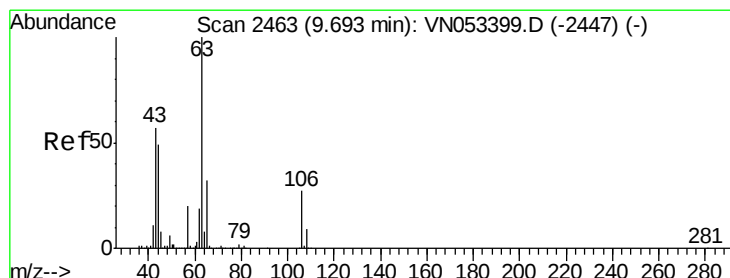
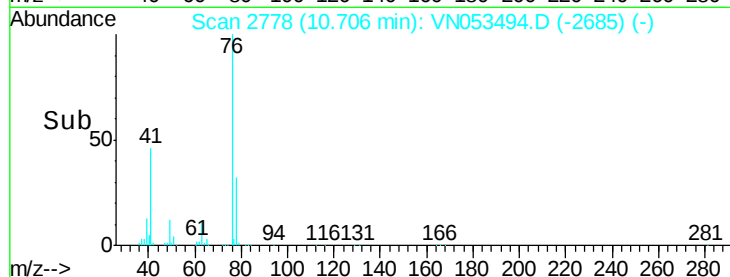
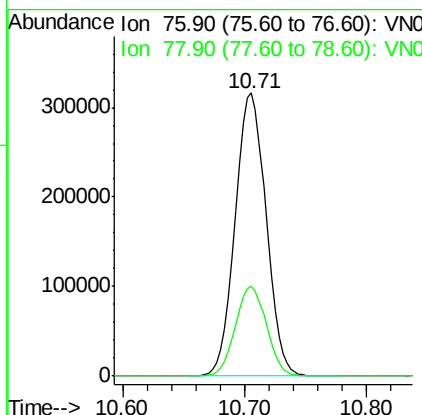
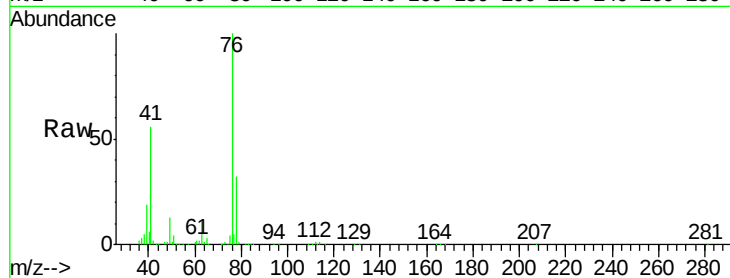




#57
 1,3-Dichloropropane
 Concen: 49.069 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

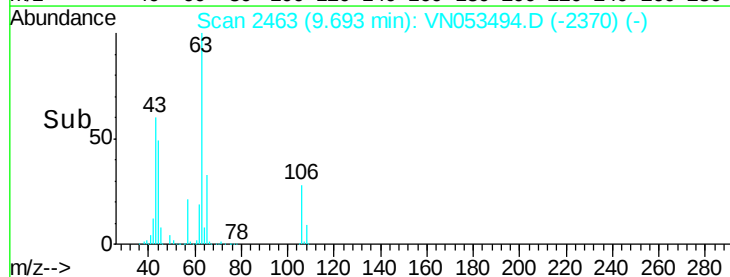
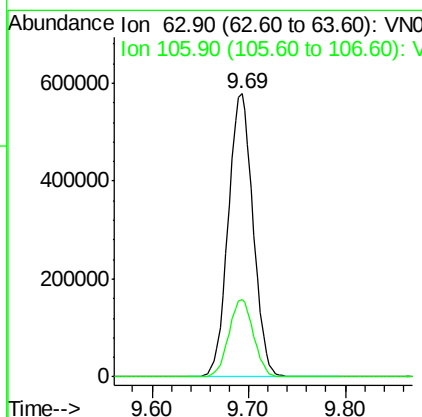
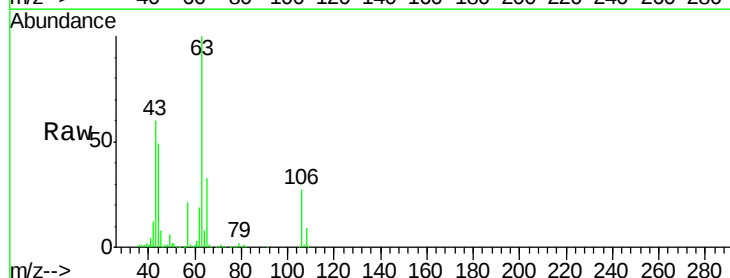
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

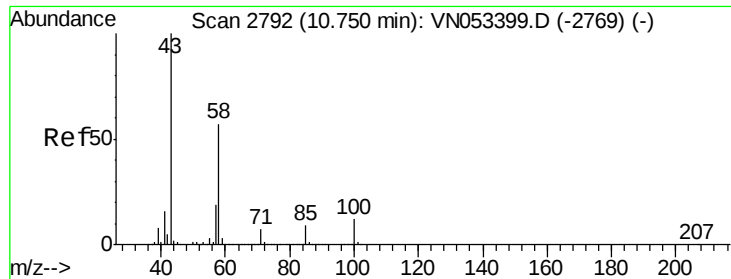
Tot Ion: 76 Resp: 556038
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.556 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion: 63 Resp: 1029072
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.5 32.3

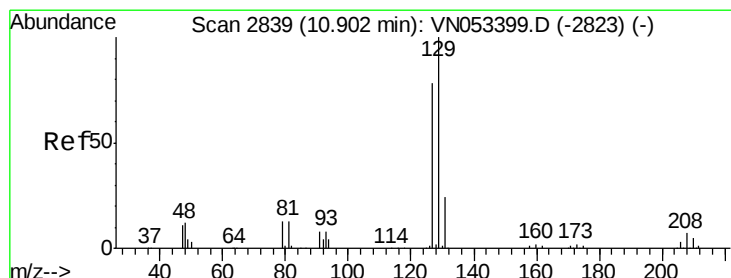
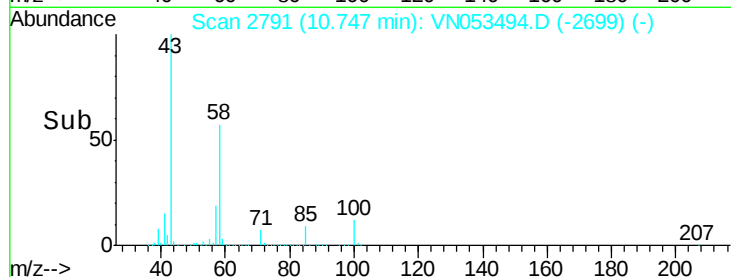
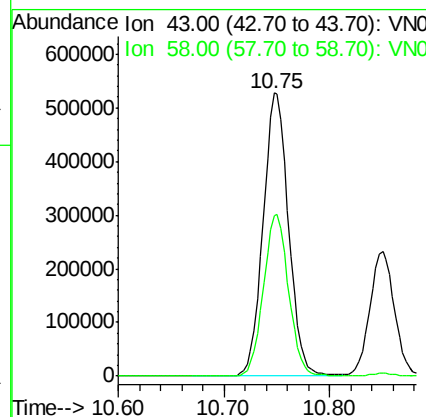
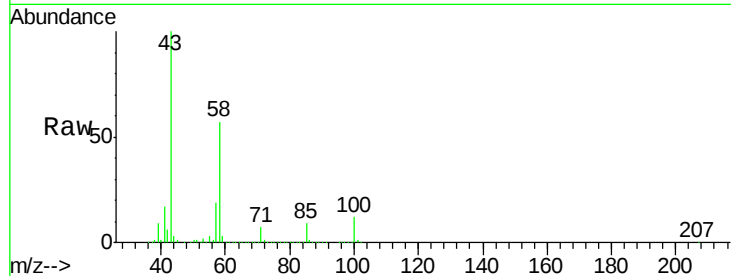




#59
2-Hexanone
Concen: 222.525 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

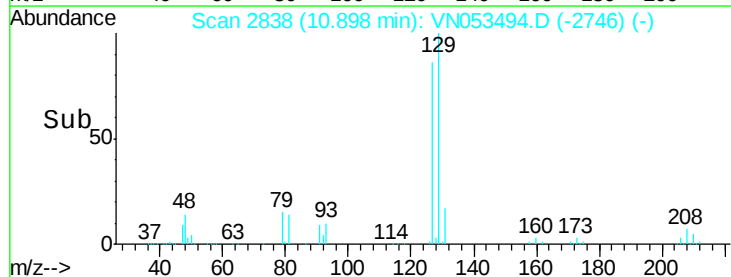
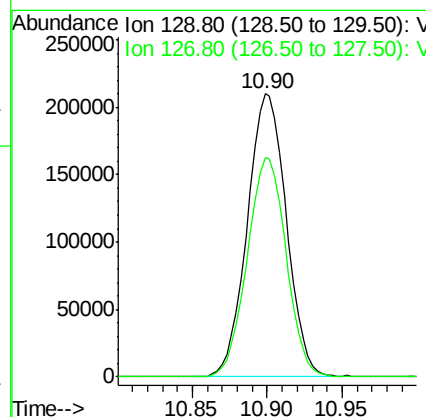
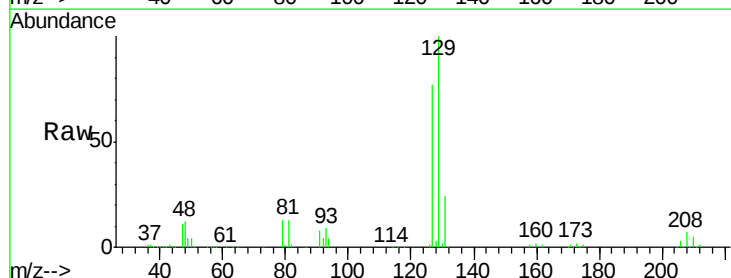
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

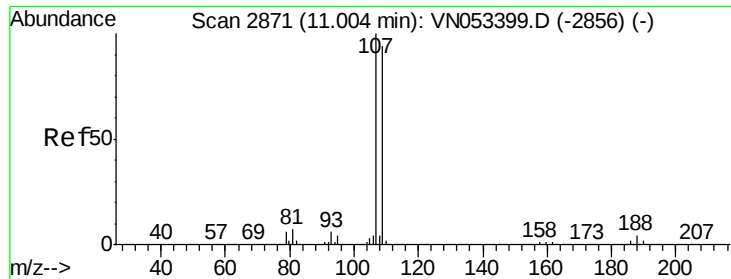
Tot Ion: 43 Resp: 888462
Ion Ratio Lower Upper
43 100
58 56.5 28.6 85.8



#60
Dibromochloromethane
Concen: 51.330 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion:129 Resp: 381372
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 47.354 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

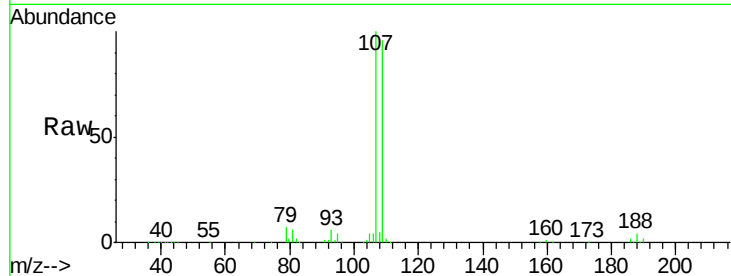
VSTDCCC050

Tot Ion:107 Resp: 313721

Ion Ratio Lower Upper

107 100

109 95.7 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

200000

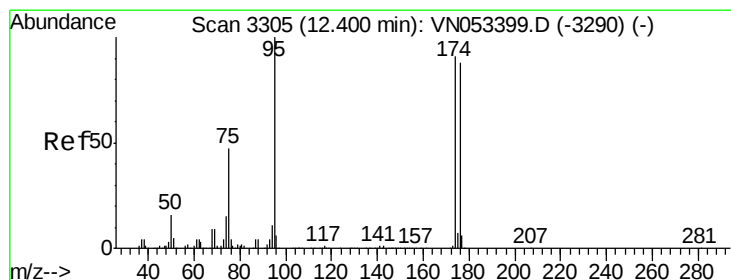
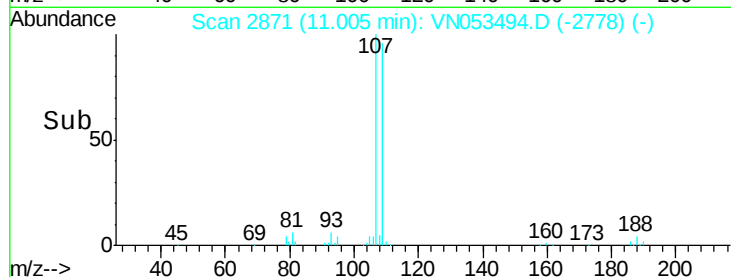
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 47.354 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

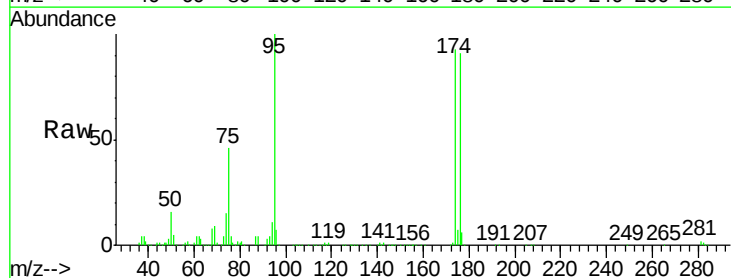
Tgt Ion: 95 Resp: 467901

Ion Ratio Lower Upper

95 100

174 93.4 0.0 183.2

176 90.9 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

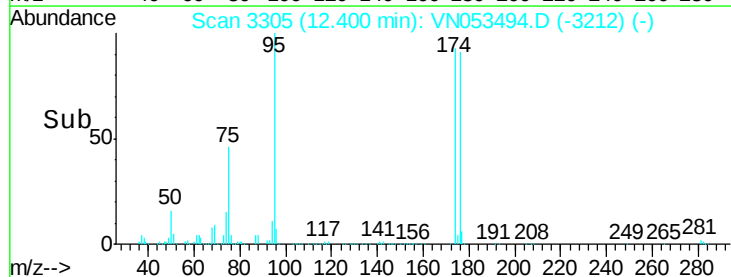
300000

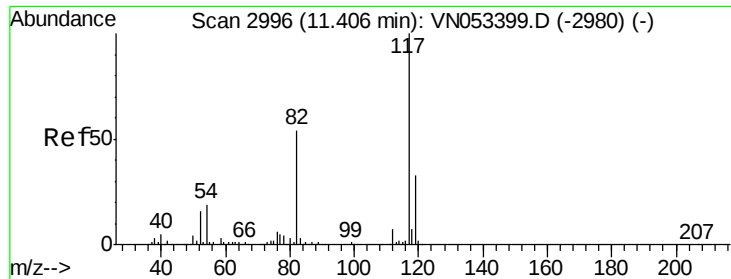
200000

100000

0

Time--> 12.30 12.35 12.40 12.45

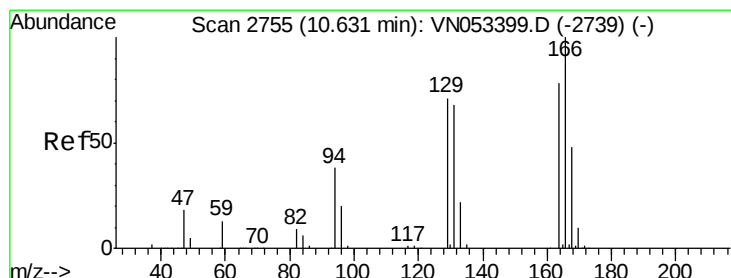
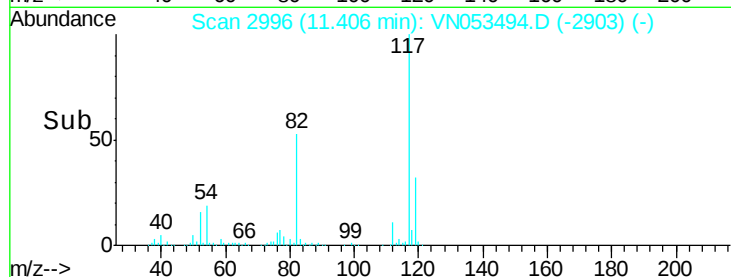
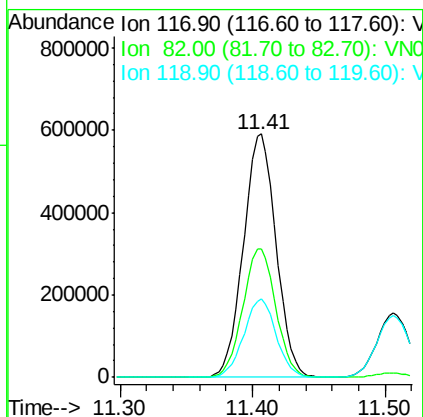
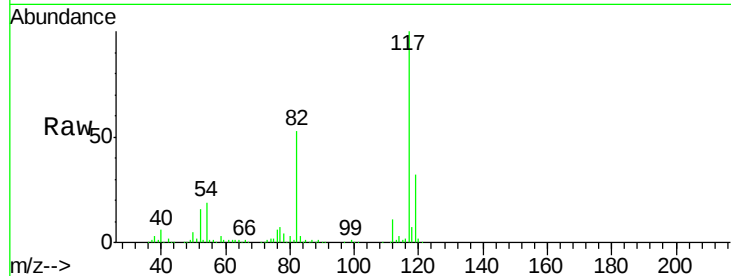




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

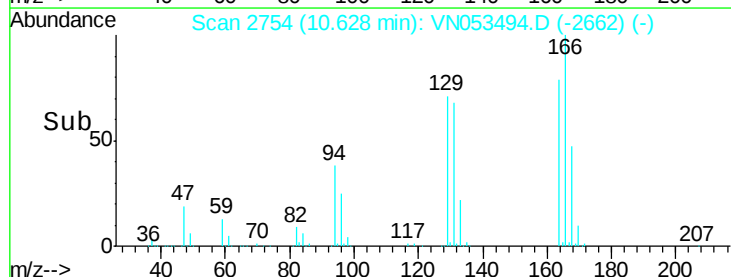
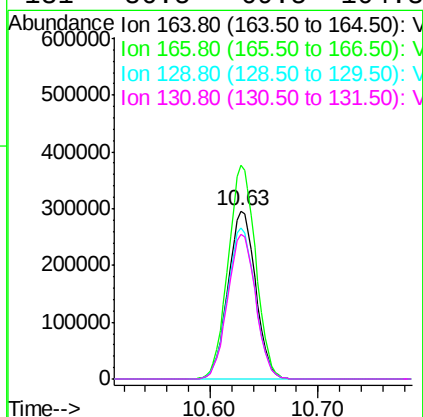
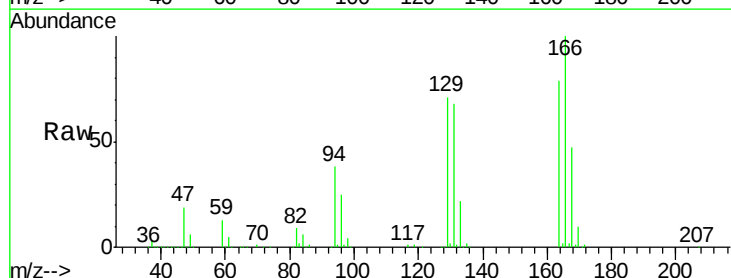
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

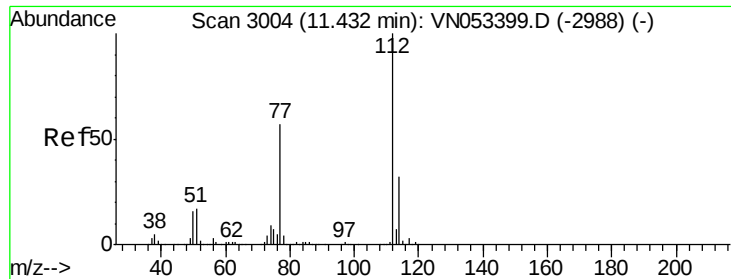
Tot Ion:117 Resp: 1009692
Ion Ratio Lower Upper
117 100
82 52.9 42.9 64.3
119 32.0 26.0 39.0



#64
Tetrachloroethene
Concen: 55.438 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion:164 Resp: 527507
Ion Ratio Lower Upper
164 100
166 127.4 102.2 153.4
129 90.1 72.6 109.0
131 86.5 69.5 104.3

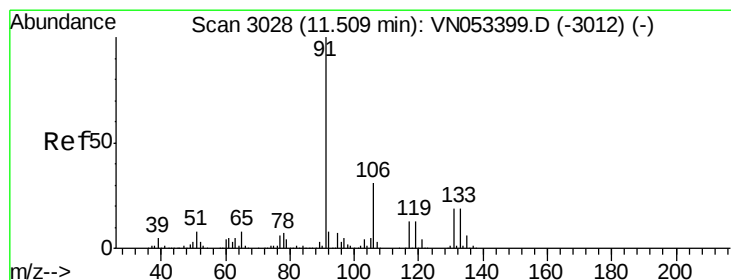
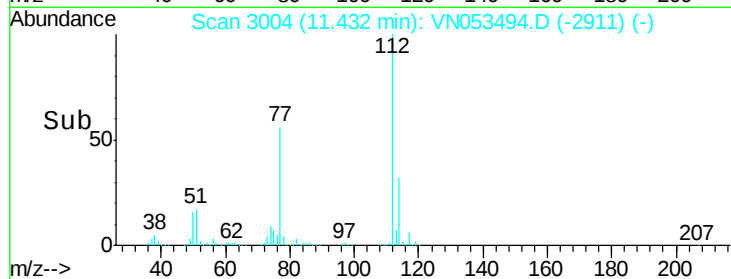
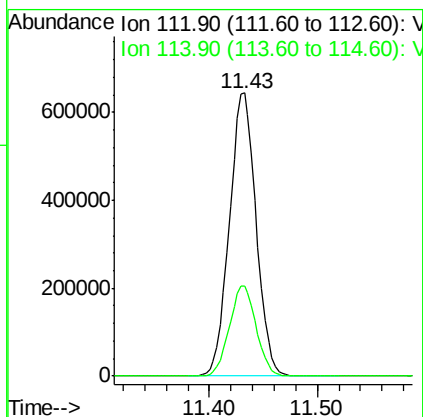
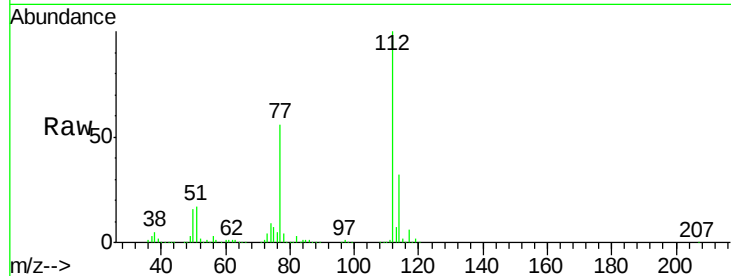




#65
Chlorobenzene
Concen: 52.018 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

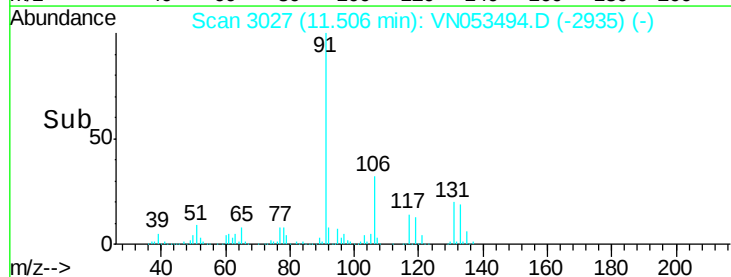
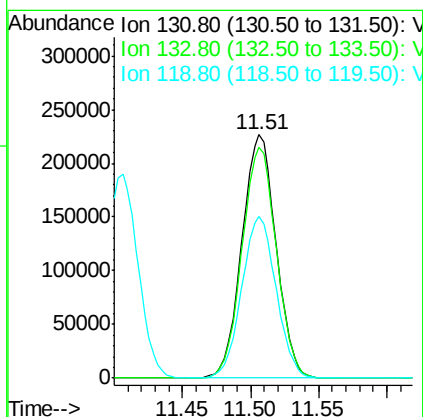
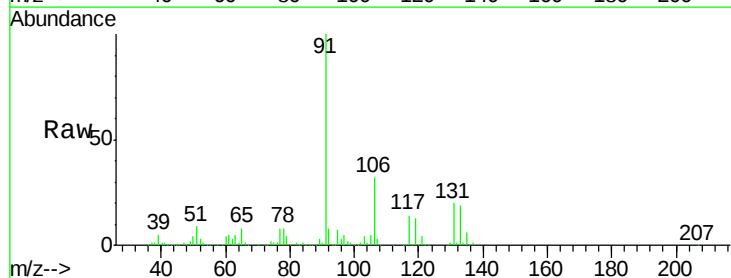
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

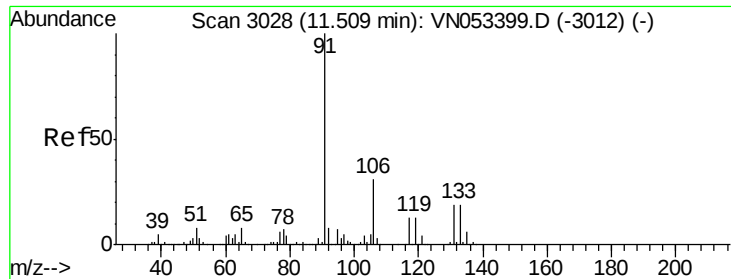
Tot Ion:112 Resp: 1111712
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.003 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion:131 Resp: 394074
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 66.8 33.5 100.5





#67

Ethyl Benzene

Concen: 52.475 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

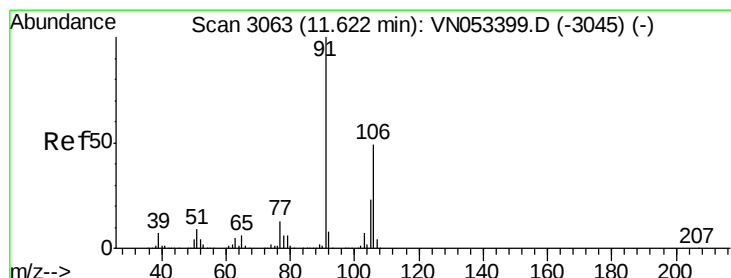
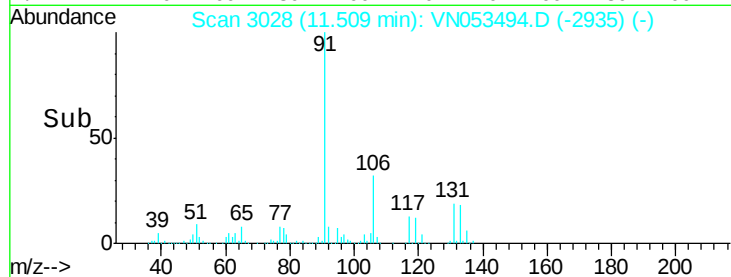
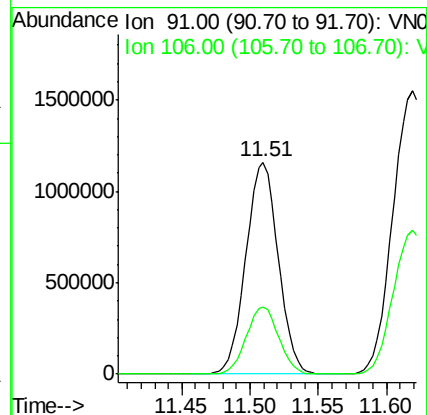
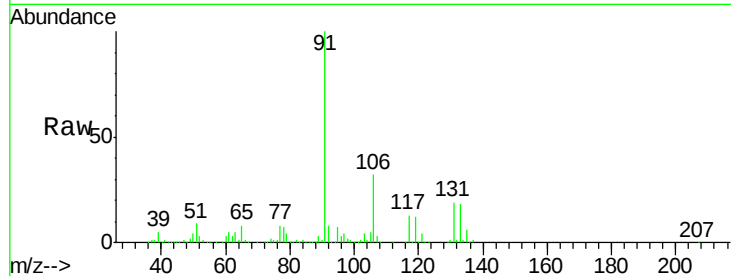
VSTDCCC050

Tot Ion: 91 Resp: 1911287

Ion Ratio Lower Upper

91 100

106 31.8 25.0 37.6



#68

m/p-Xylenes

Concen: 108.613 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053494.D

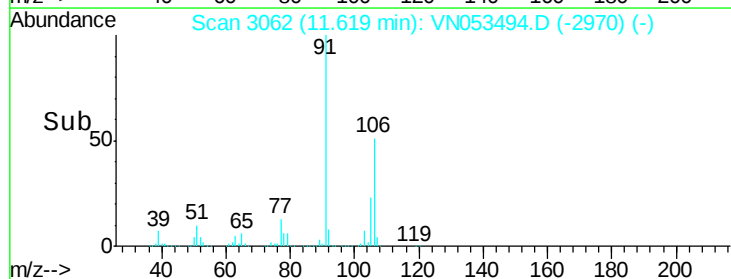
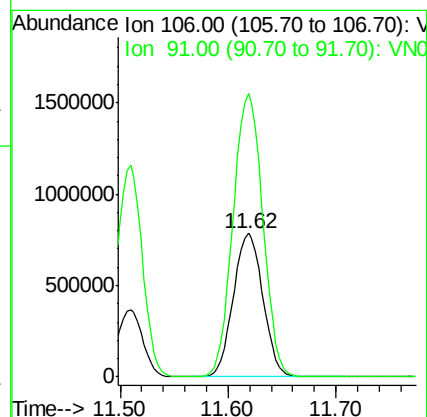
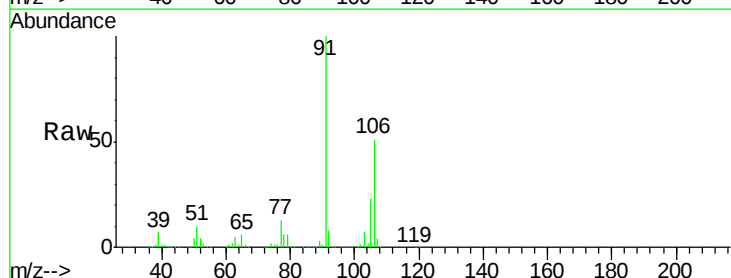
Acq: 21 Jan 2019 9:27

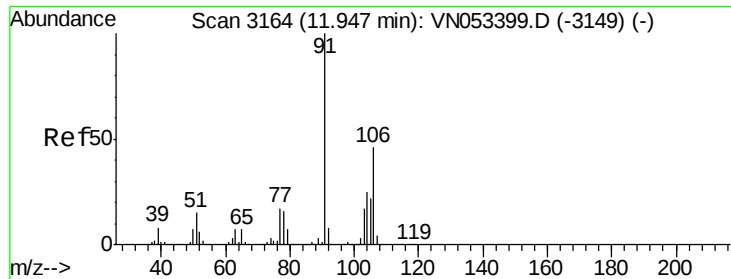
Tgt Ion: 106 Resp: 1493610

Ion Ratio Lower Upper

106 100

91 198.8 161.4 242.2

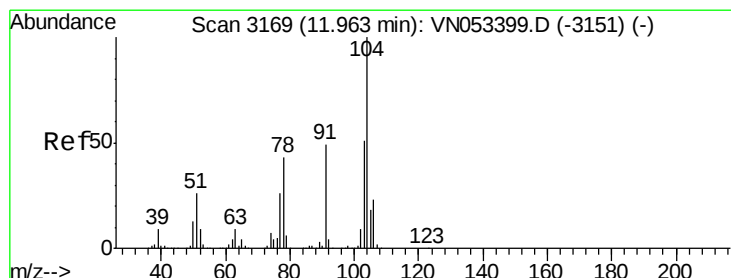
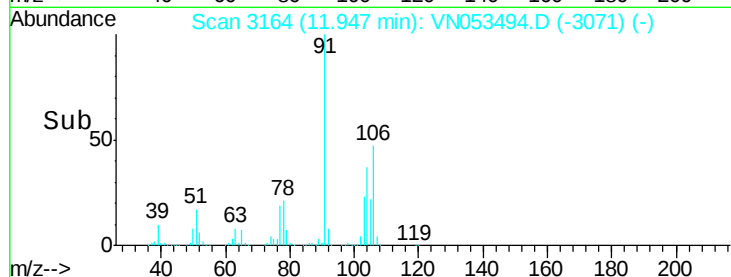
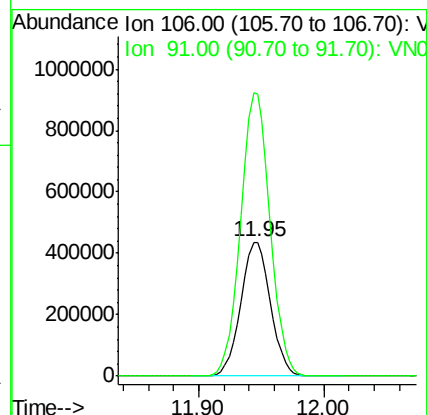
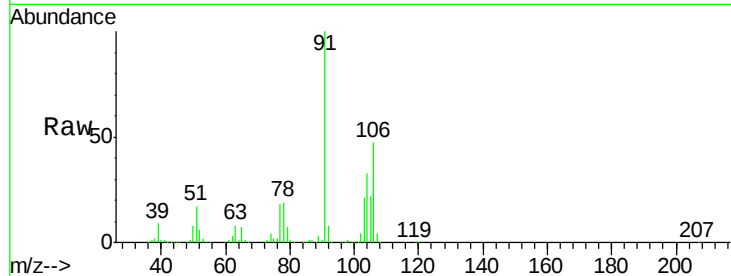




#69
o-Xylene
Concen: 53.506 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

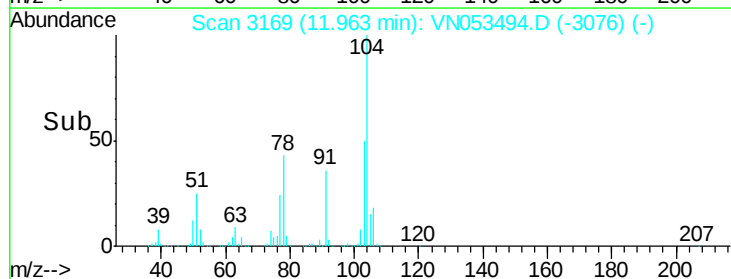
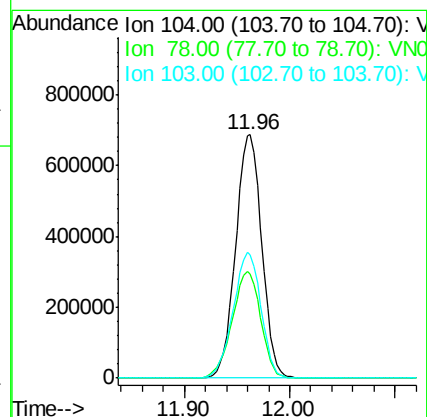
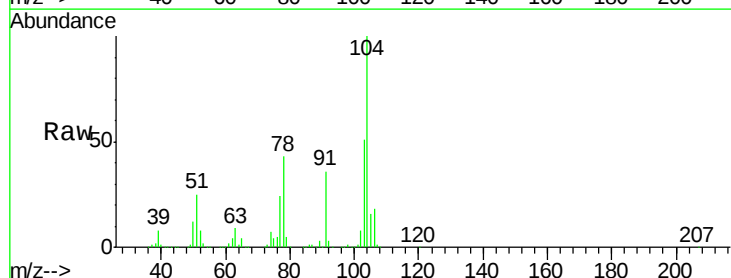
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

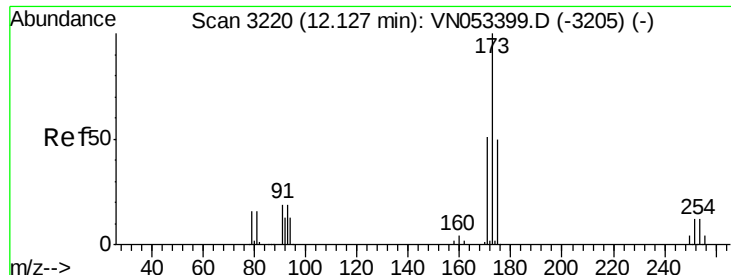
Tot Ion:106 Resp: 714969
Ion Ratio Lower Upper
106 100
91 210.2 106.9 320.8



#70
Styrene
Concen: 54.209 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion:104 Resp: 1175617
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 55.3 44.4 66.6

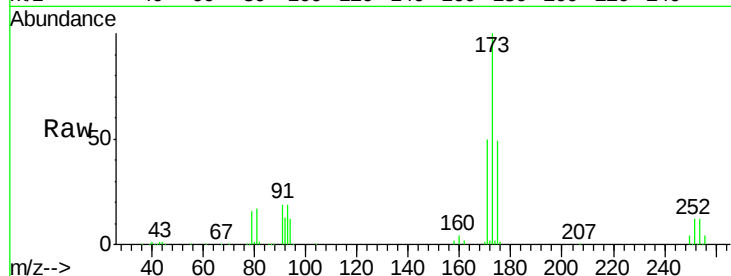




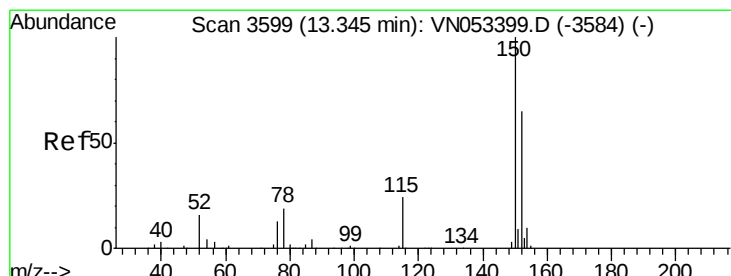
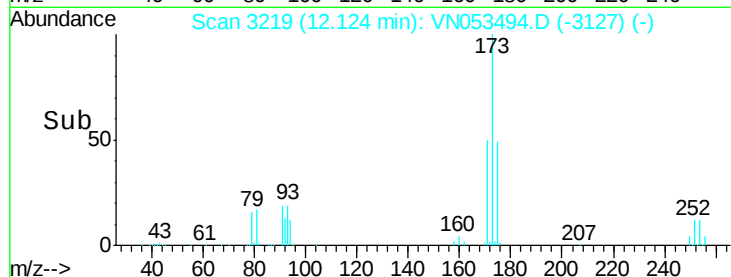
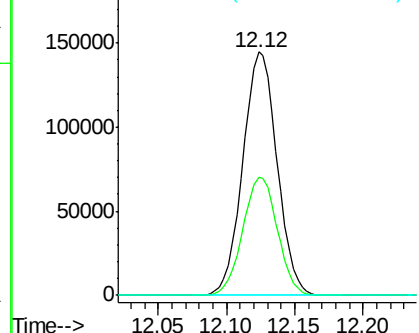
#71
Bromoform
Concen: 49.211 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 251888
Ion Ratio Lower Upper
173 100
175 49.1 24.6 74.0
254 0.1 0.2 0.2#

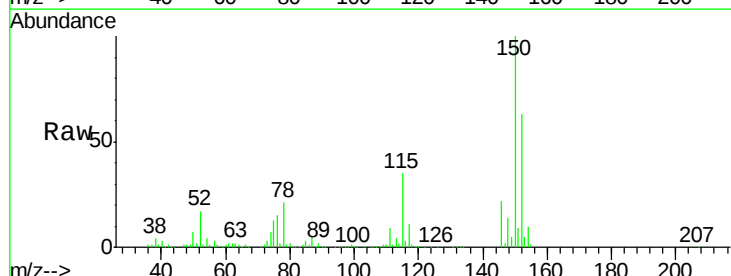


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

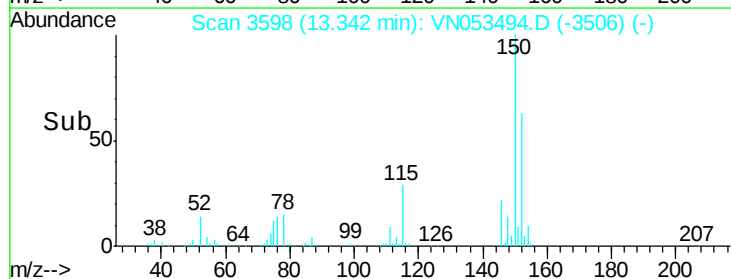
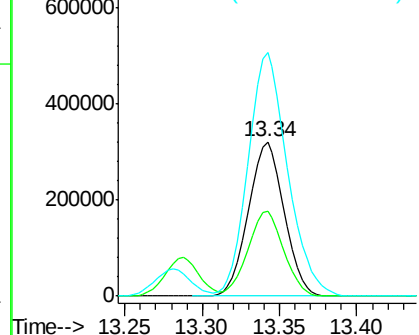


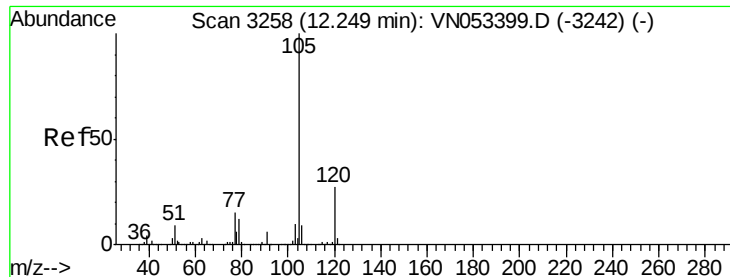
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion:152 Resp: 514946
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.4
150 174.1 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: 51.125 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampled :

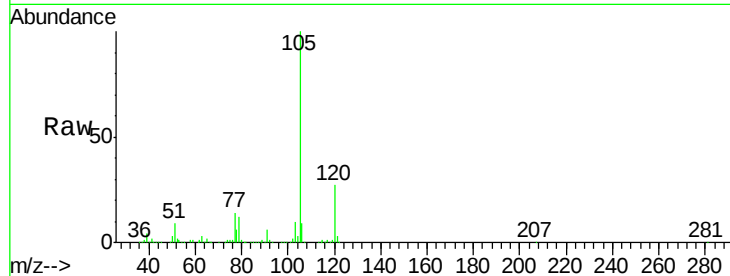
VSTDCCC050

Tot Ion:105 Resp: 1927915

Ion Ratio Lower Upper

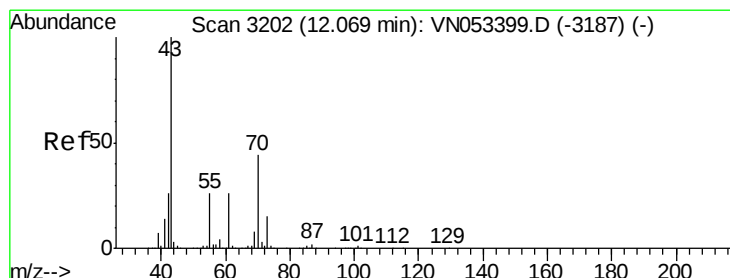
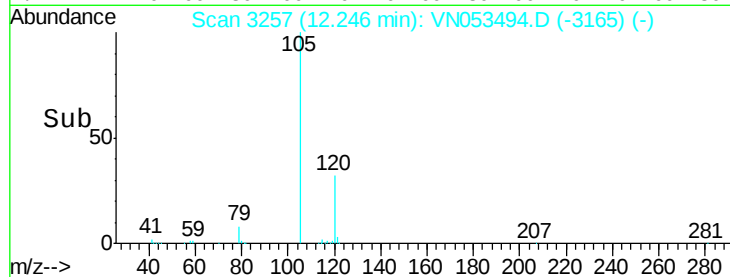
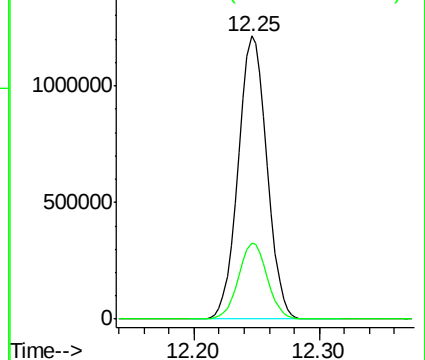
105 100

120 26.9 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: 41.192 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Tgt Ion: 43 Resp: 414088

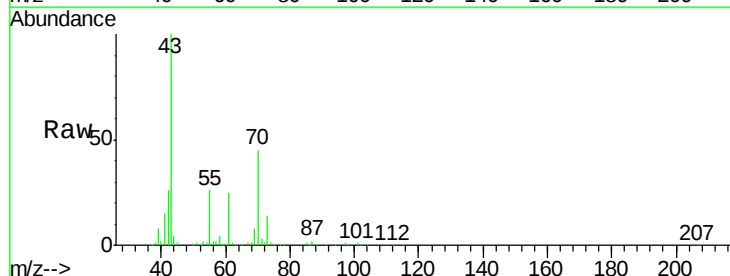
Ion Ratio Lower Upper

43 100

70 45.8 35.4 53.2

55 26.9 20.9 31.3

61 25.6 20.5 30.7

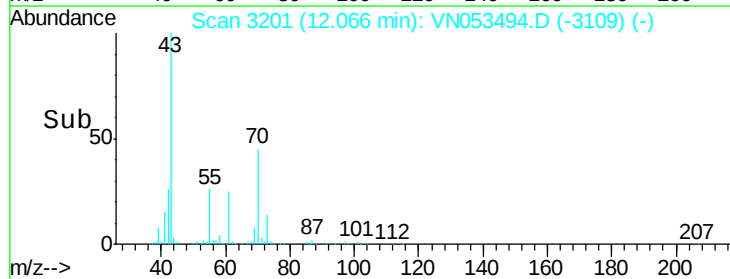
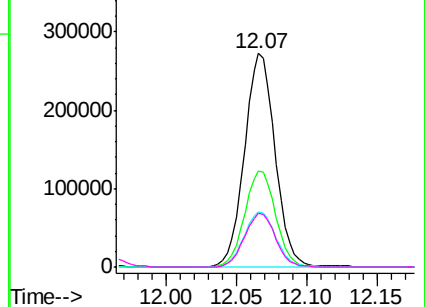


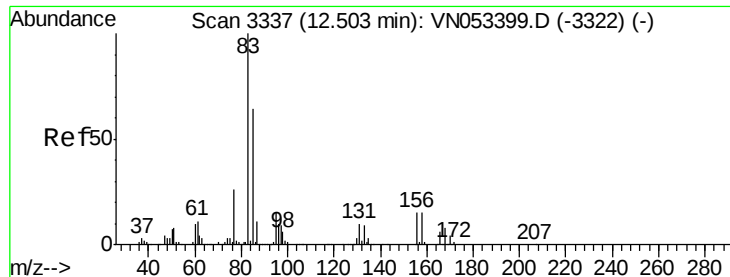
Abundance Ion 43.00 (42.70 to 43.70): V

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: 39.621 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

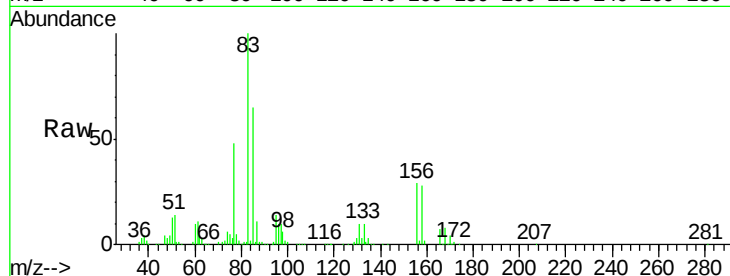
Tot Ion: 83 Resp: 313354

Ion Ratio Lower Upper

83 100

131 10.8 5.3 15.8

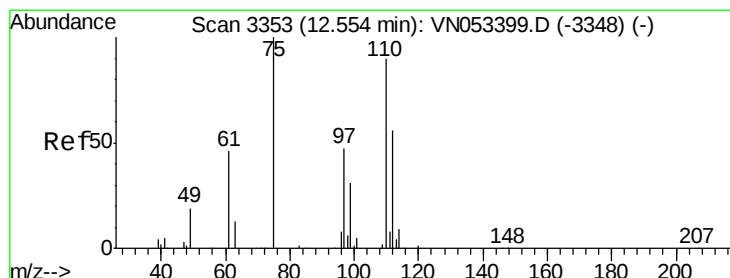
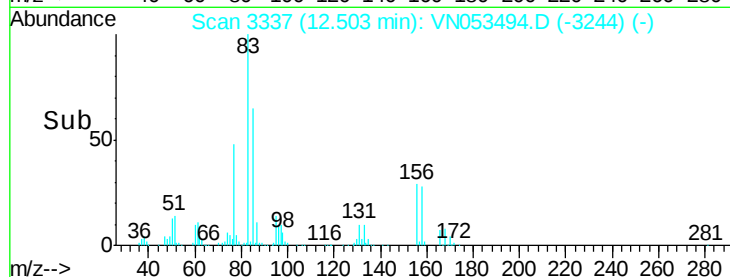
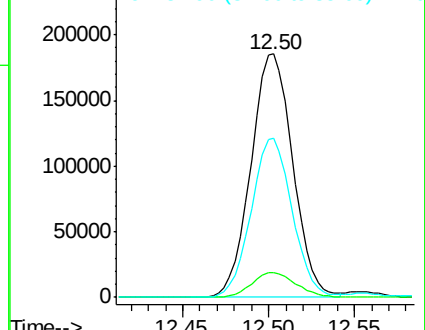
85 63.7 32.1 96.3



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: 68.137 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN053494.D

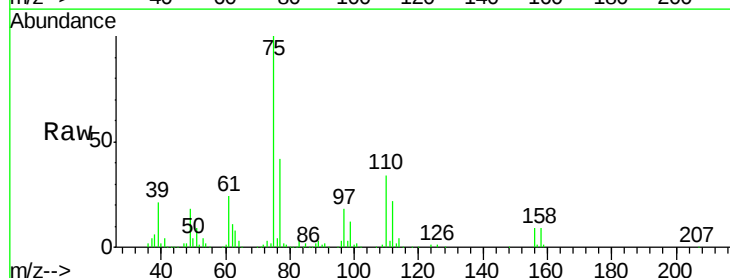
Acq: 21 Jan 2019 9:27

Tgt Ion: 75 Resp: 462375

Ion Ratio Lower Upper

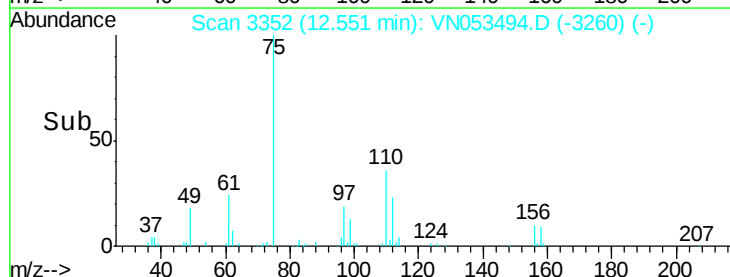
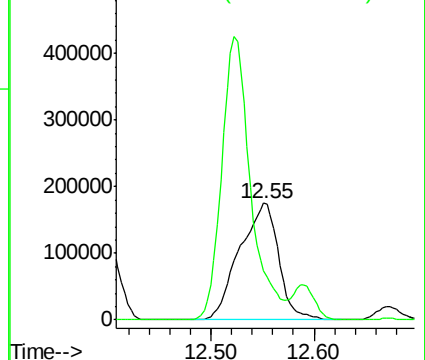
75 100

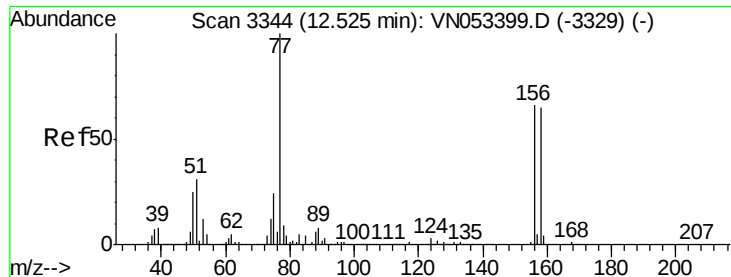
77 0.0 0.0 0.0



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: 49.032 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

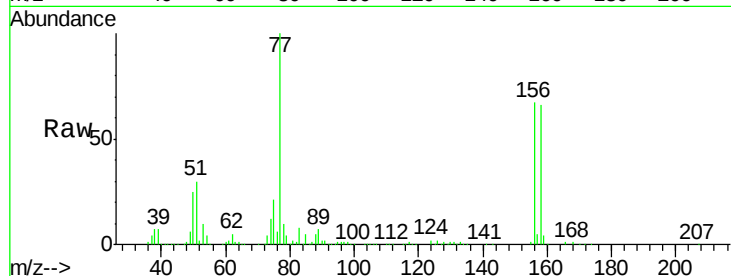
Tot Ion:156 Resp: 487216

Ion Ratio Lower Upper

156 100

77 169.1 87.9 263.8

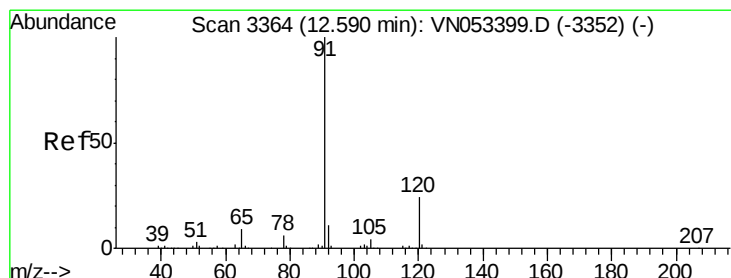
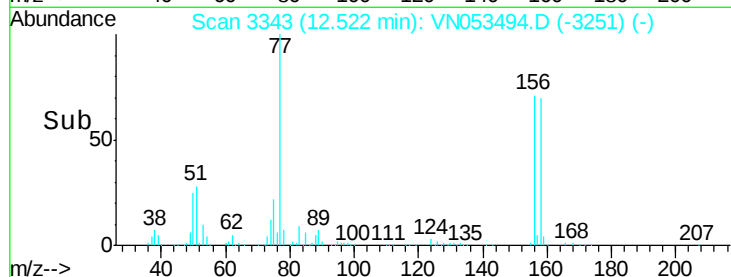
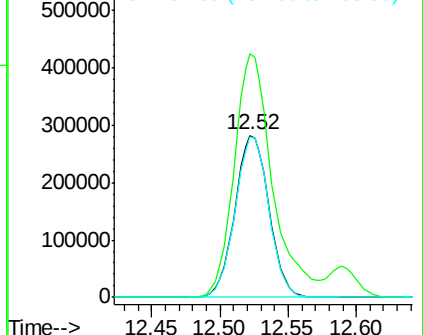
158 98.2 48.8 146.4



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: 52.371 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053494.D

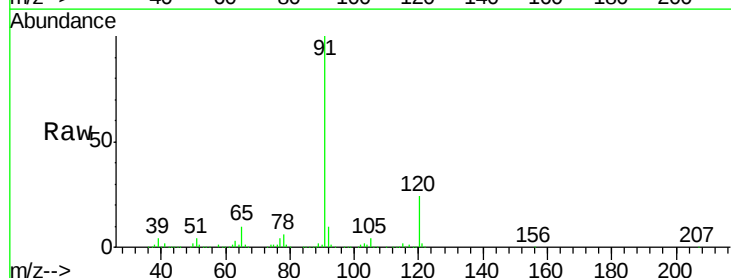
Acq: 21 Jan 2019 9:27

Tgt Ion: 91 Resp: 2266949

Ion Ratio Lower Upper

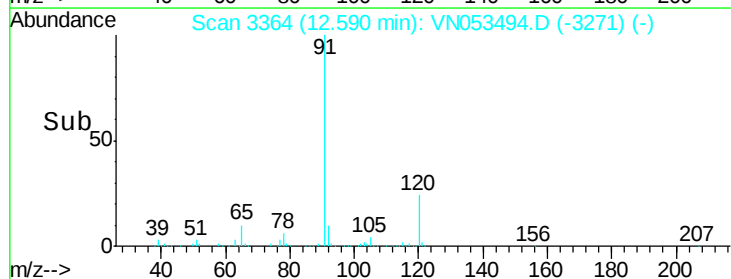
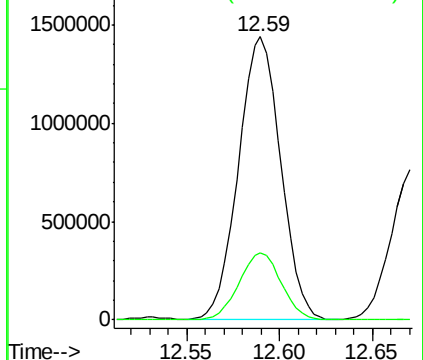
91 100

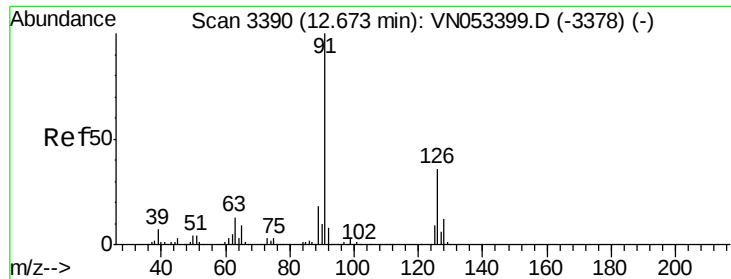
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.115 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

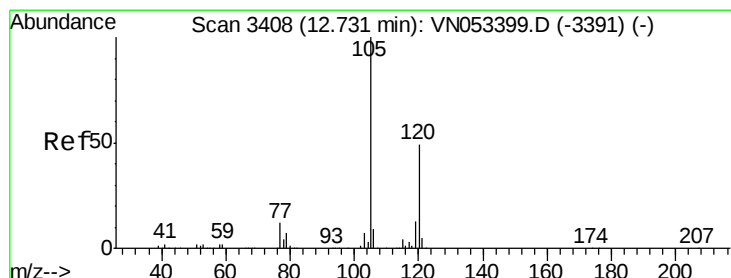
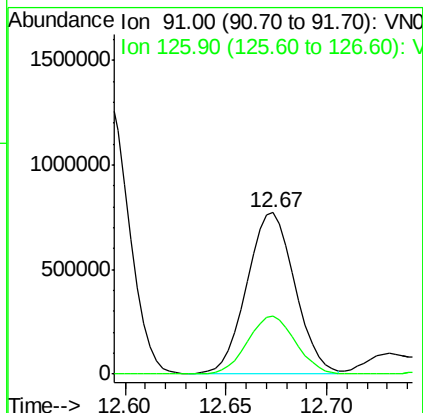
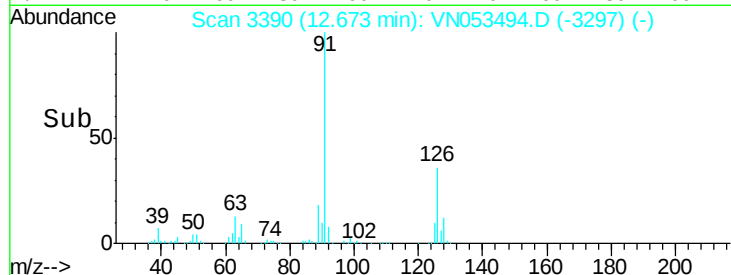
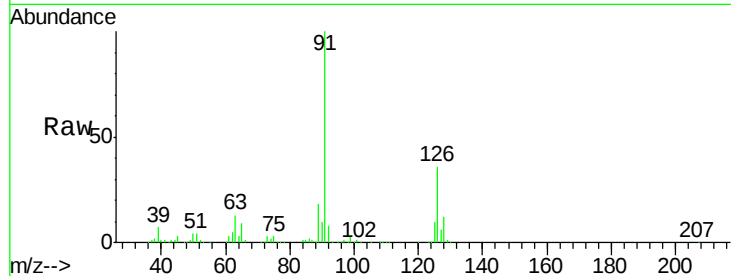
VSTDCCC050

Tot Ion: 91 Resp: 1285835

Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 52.364 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053494.D

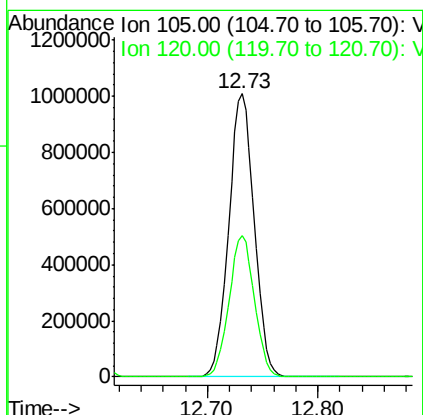
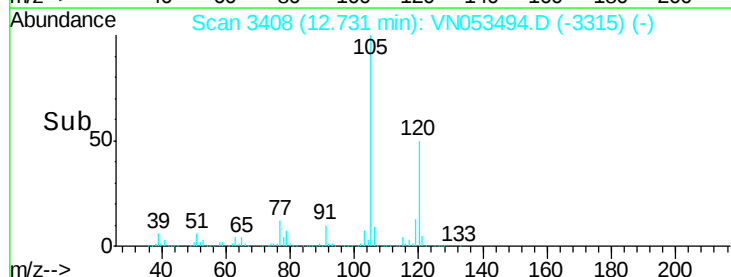
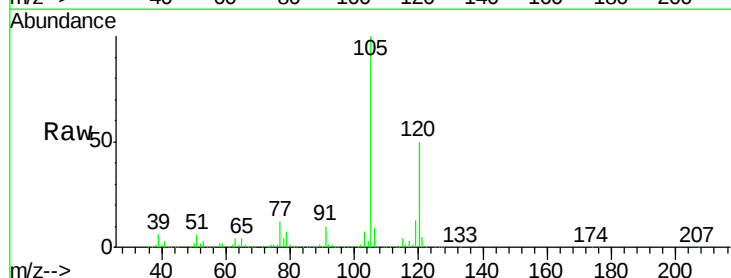
Acq: 21 Jan 2019 9:27

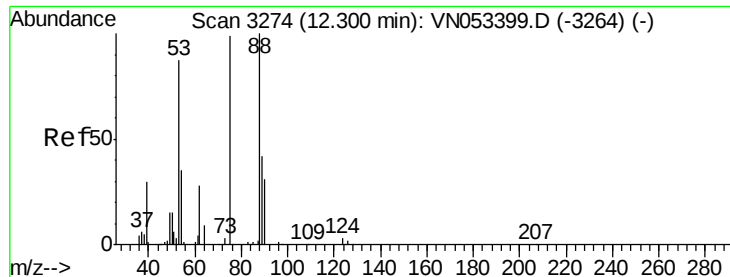
Tgt Ion: 105 Resp: 1606619

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 39.804 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

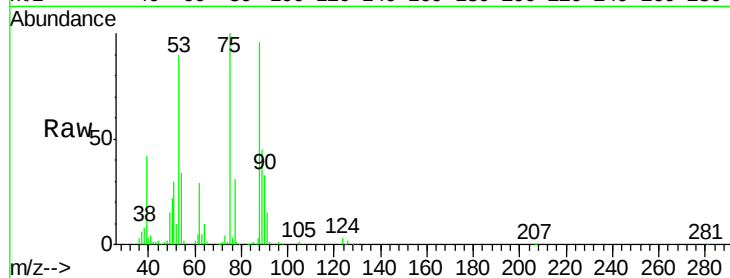
Tot Ion: 75 Resp: 105272

Ion Ratio Lower Upper

75 100

53 90.1 69.8 104.6

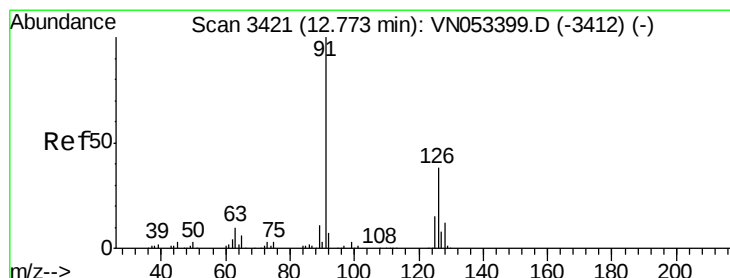
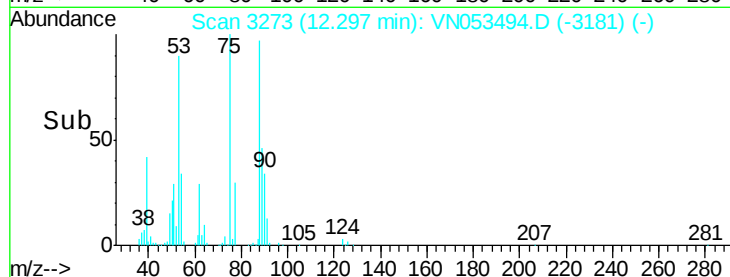
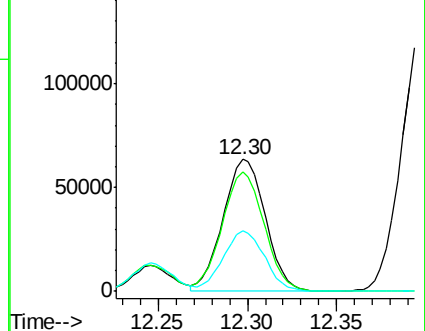
89 44.7 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 51.574 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN053494.D

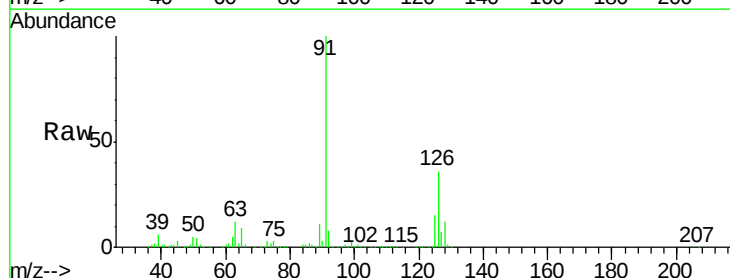
Acq: 21 Jan 2019 9:27

Tgt Ion: 91 Resp: 1349438

Ion Ratio Lower Upper

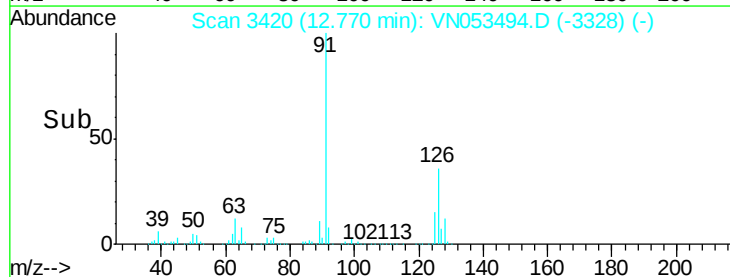
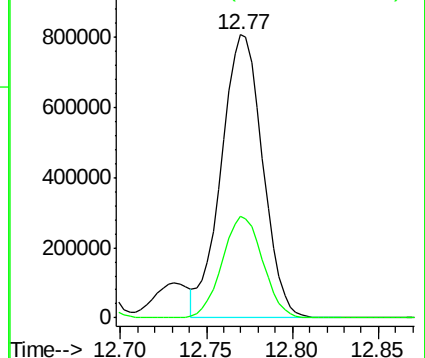
91 100

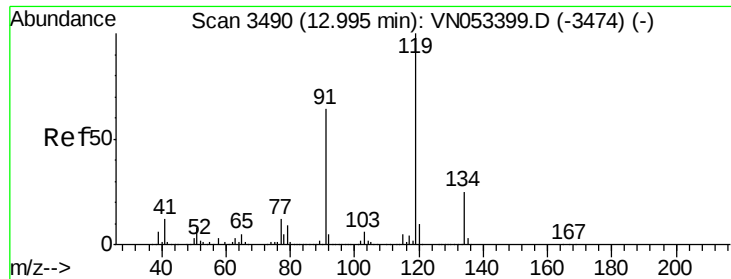
126 35.2 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): VN0

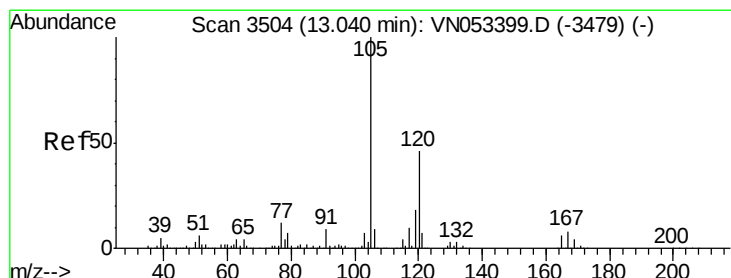
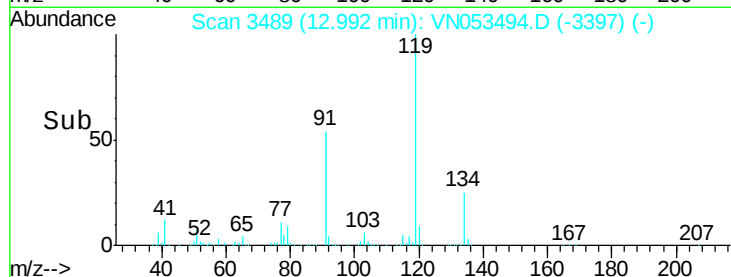
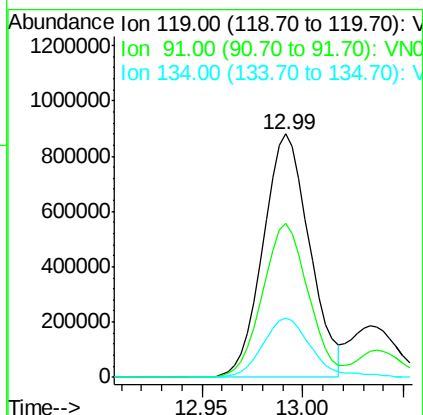
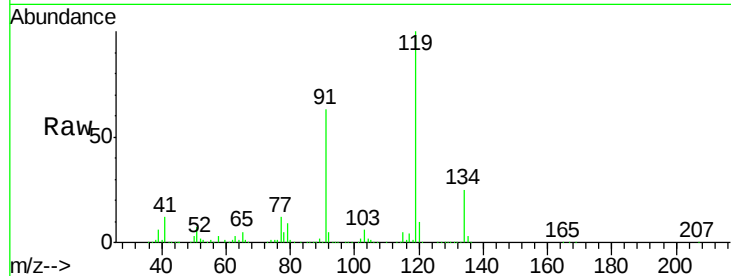




#83
tert-Butylbenzene
Concen: 52.012 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

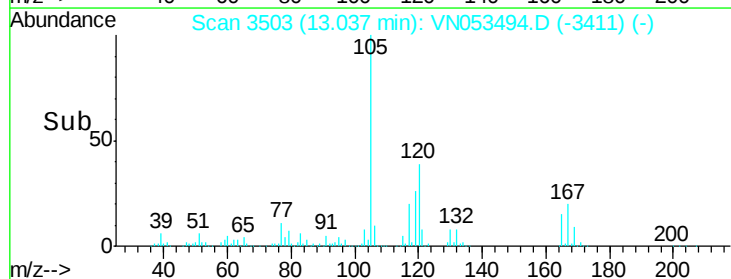
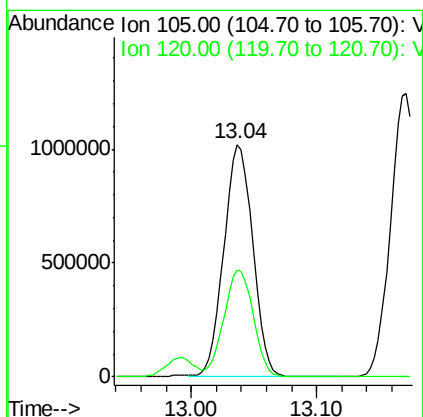
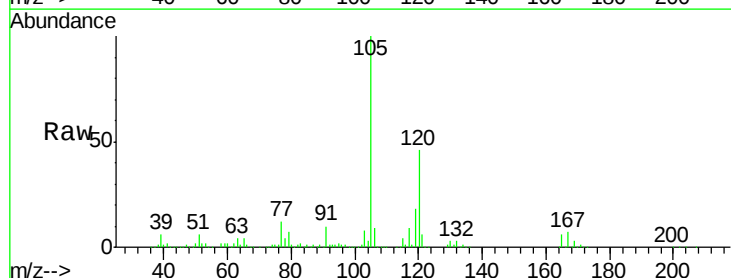
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

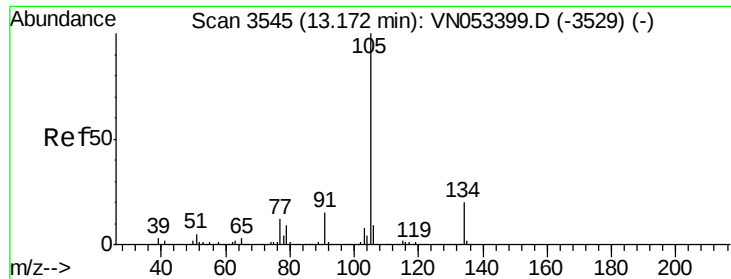
Tot Ion:119 Resp: 1409474
Ion Ratio Lower Upper
119 100
91 62.6 31.3 93.8
134 25.7 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 52.789 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion:105 Resp: 1633121
Ion Ratio Lower Upper
105 100
120 46.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 53.146 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampled :

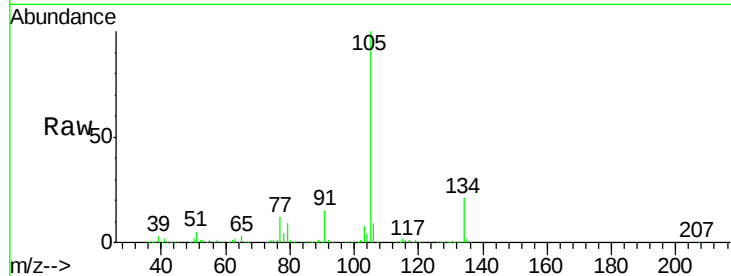
VSTDCCC050

Tot Ion:105 Resp: 1975146

Ion Ratio Lower Upper

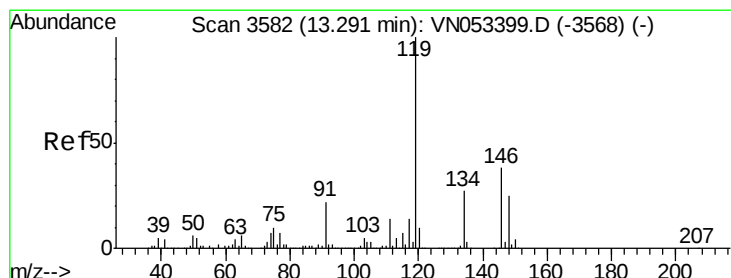
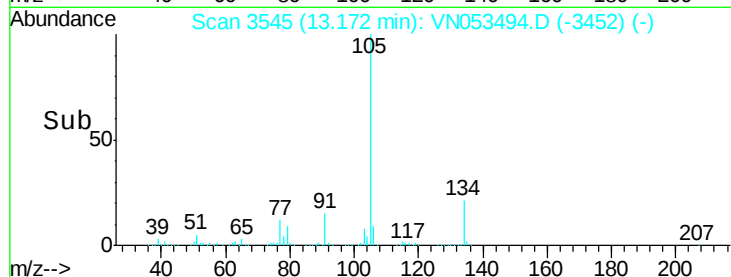
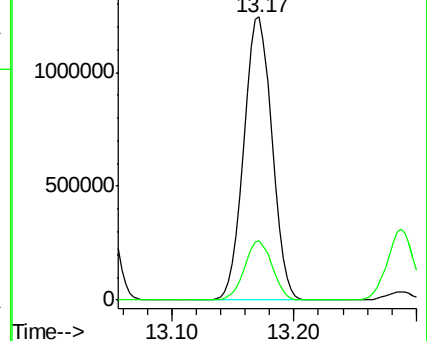
105 100

134 20.7 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.702 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

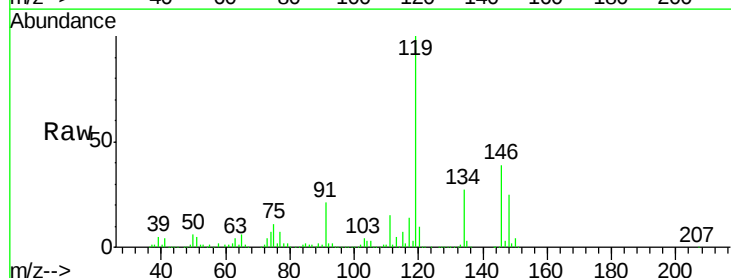
Tgt Ion:119 Resp: 1765221

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

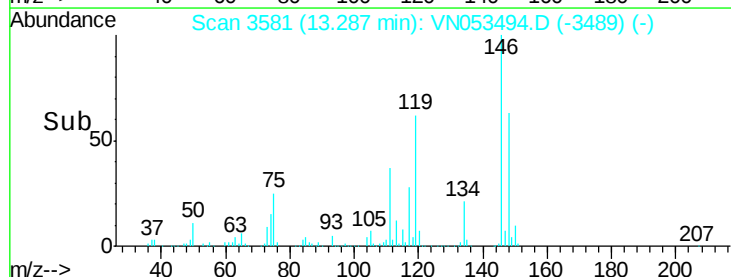
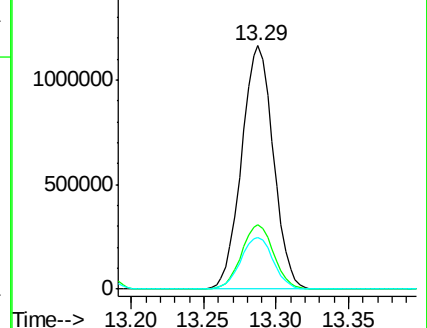
91 21.6 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.858 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

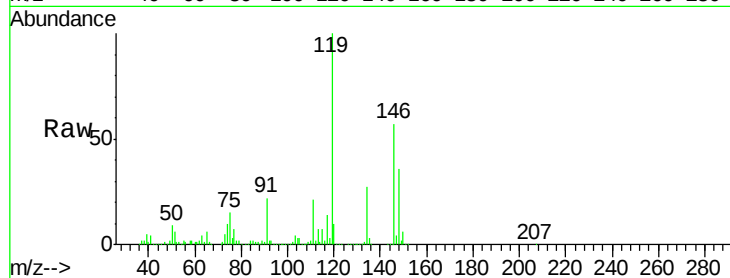
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 906427

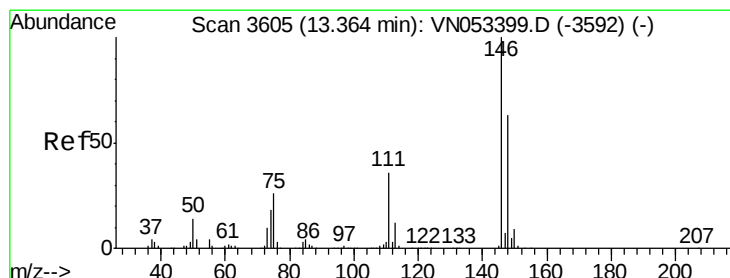
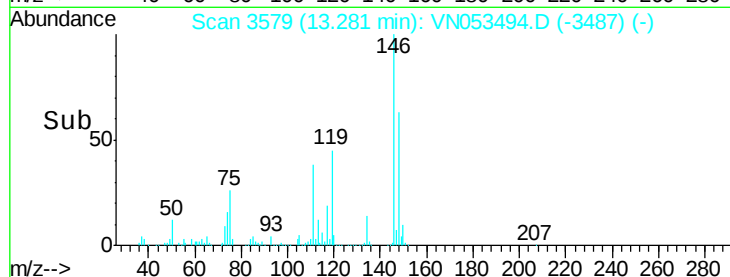
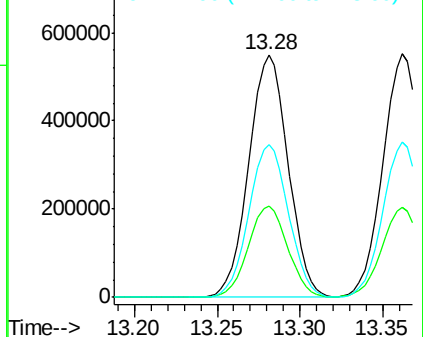
Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	63.6	32.0	96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.743 ug/l

RT: 13.36 min Scan# 3604

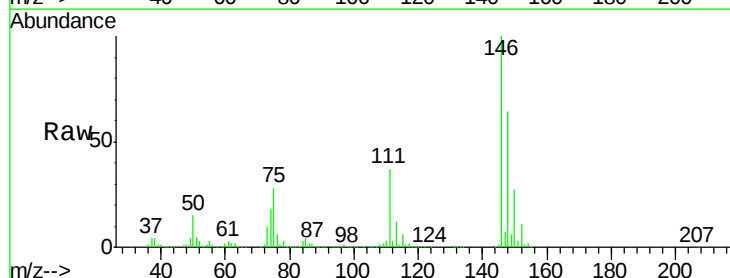
Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Tgt Ion:146 Resp: 889678

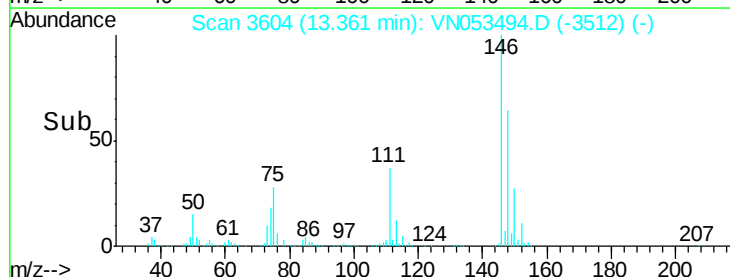
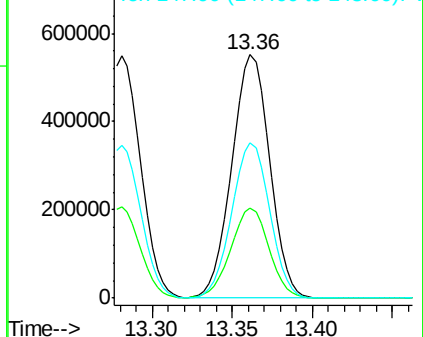
Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	64.1	32.4	97.0

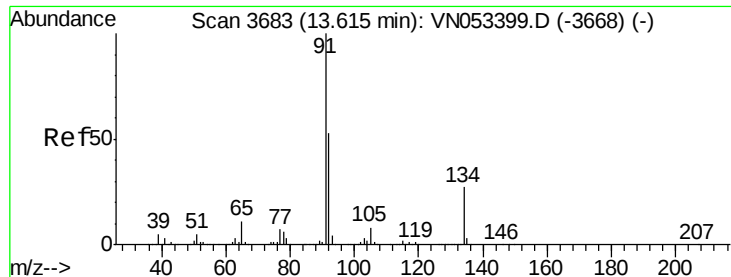


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 55.007 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

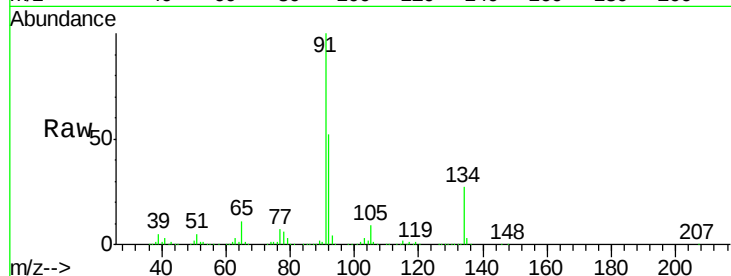
Tot Ion: 91 Resp: 1513071

Ion Ratio Lower Upper

91 100

92 52.1 26.3 78.8

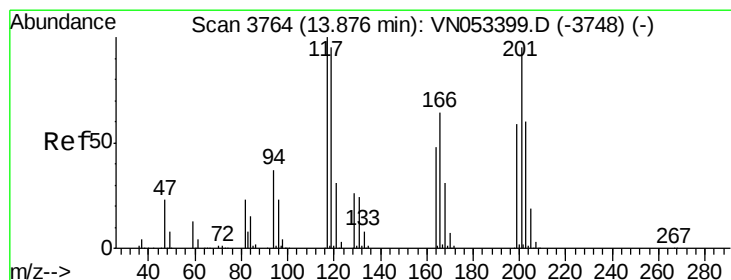
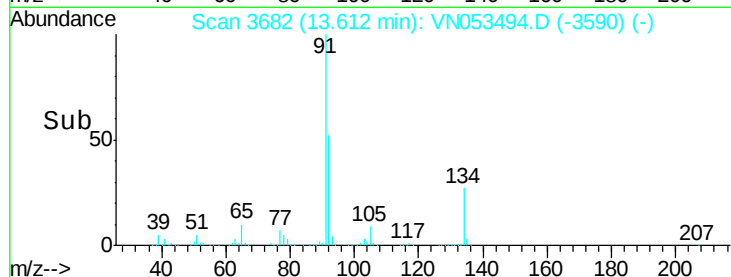
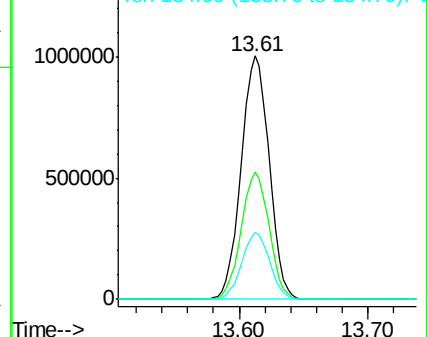
134 27.3 13.5 40.5



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: 54.432 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053494.D

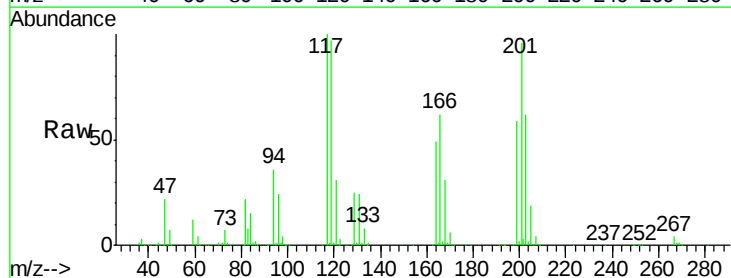
Acq: 21 Jan 2019 9:27

Tgt Ion: 117 Resp: 275480

Ion Ratio Lower Upper

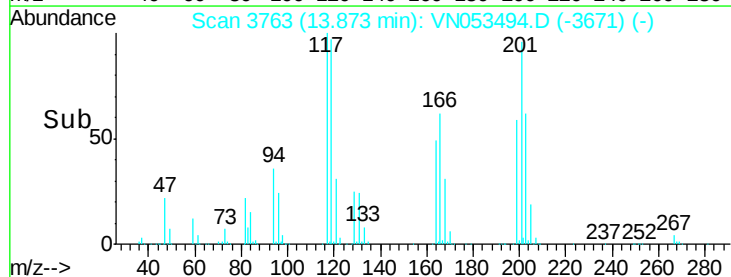
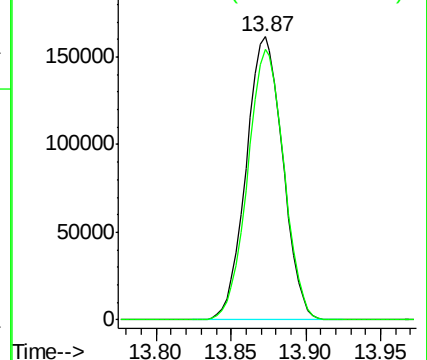
117 100

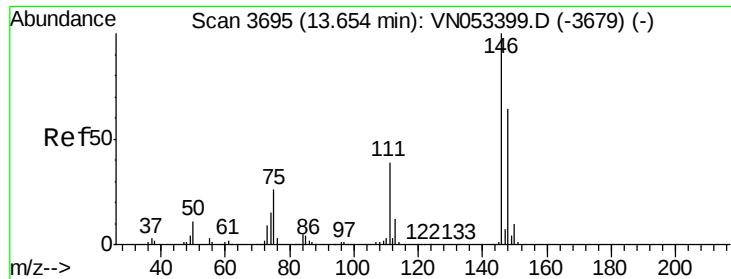
201 94.4 46.8 140.4



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: 51.896 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

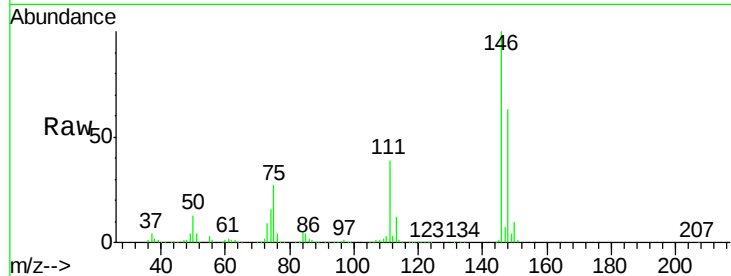
Tot Ion:146 Resp: 834516

Ion Ratio Lower Upper

146 100

111 39.1 19.5 58.5

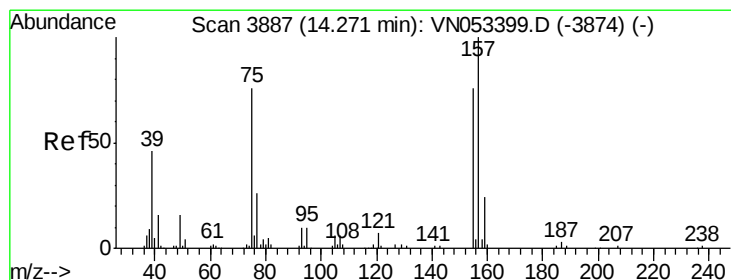
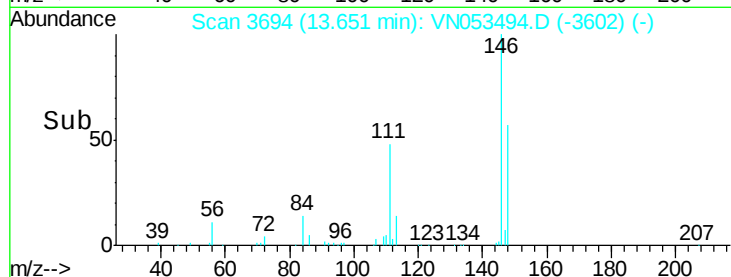
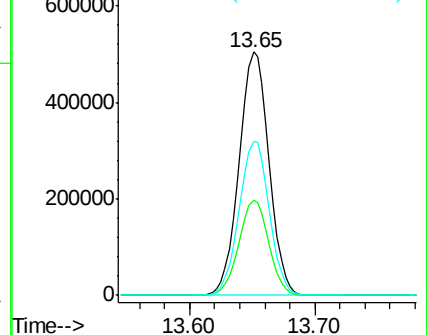
148 63.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.282 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

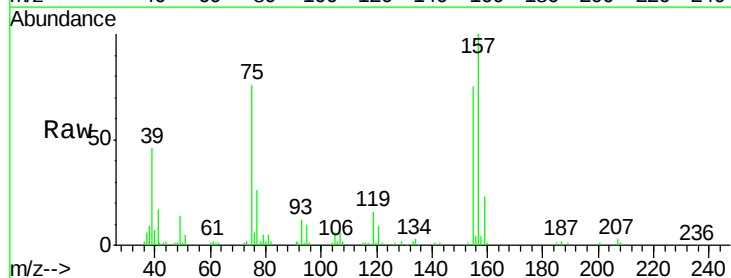
Tgt Ion: 75 Resp: 43403

Ion Ratio Lower Upper

75 100

155 99.3 48.9 146.7

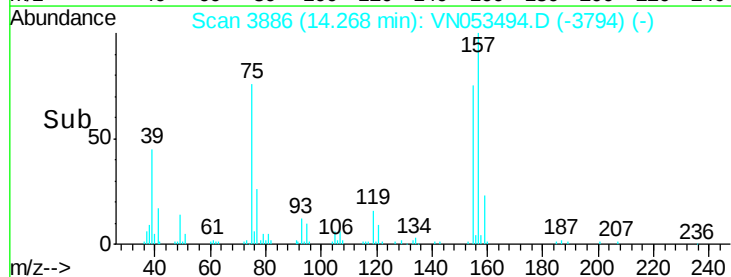
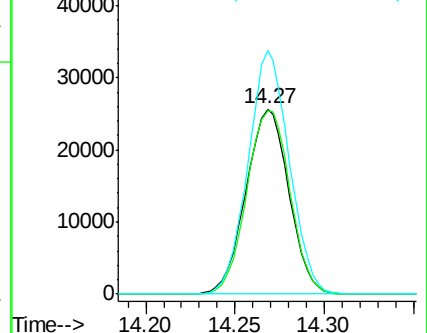
157 125.9 63.7 191.3

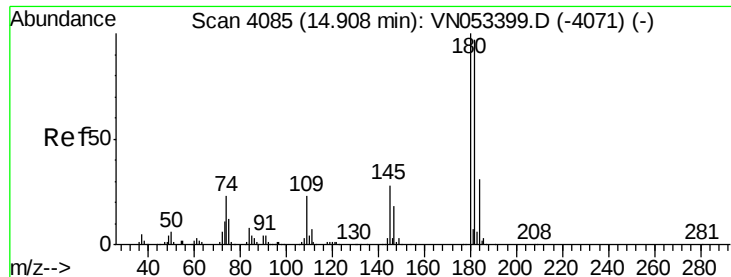


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

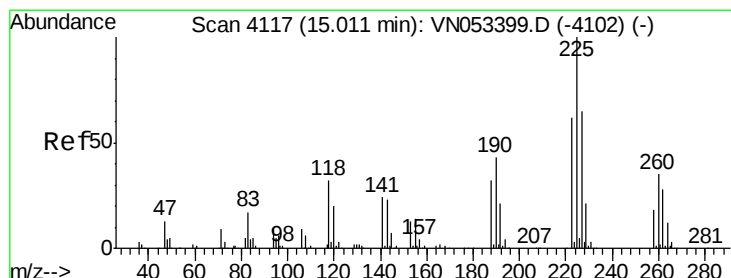
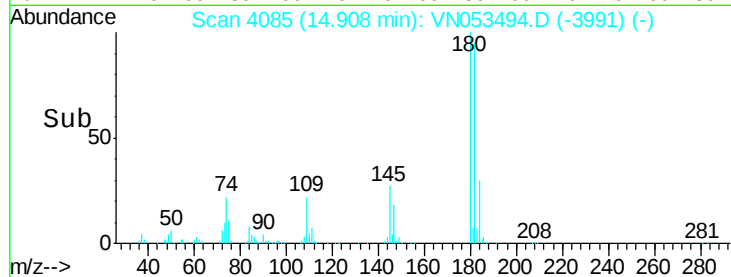
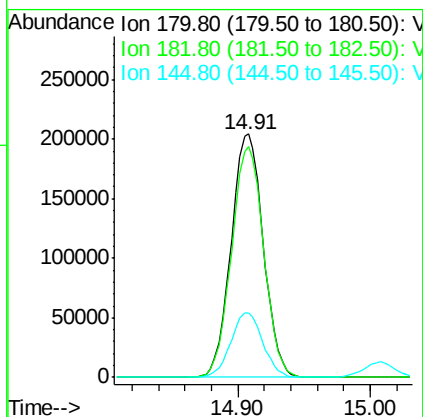
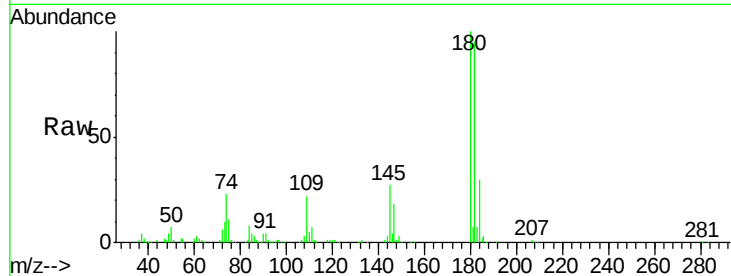




#93
 1,2,4-Trichlorobenzene
 Concen: 48.367 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

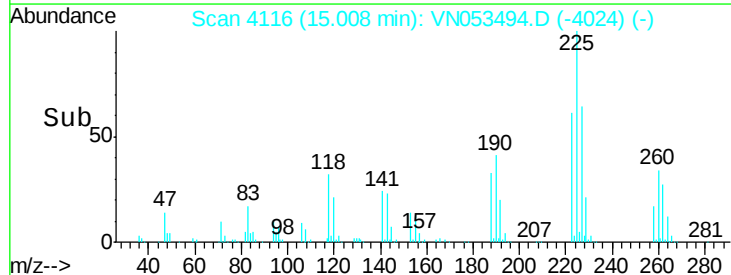
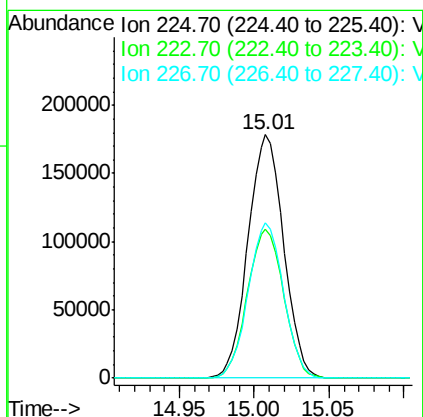
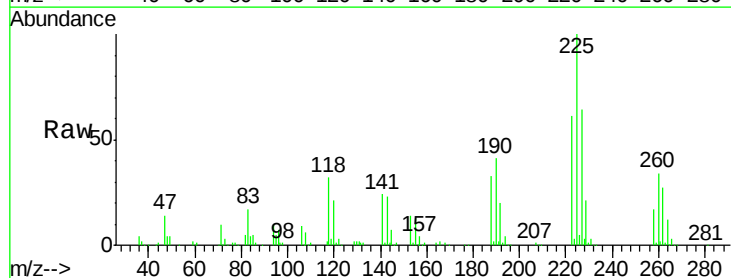
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

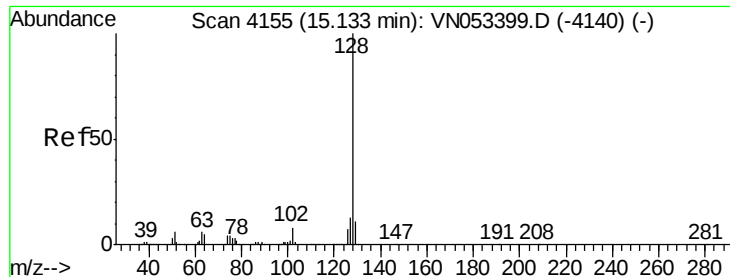
Tot Ion:180 Resp: 342492
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.1 144.3
 145 26.6 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 59.023 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion:225 Resp: 296076
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.1 93.2
 227 63.2 32.0 96.2





#95

Naphthalene

Concen: 38.006 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

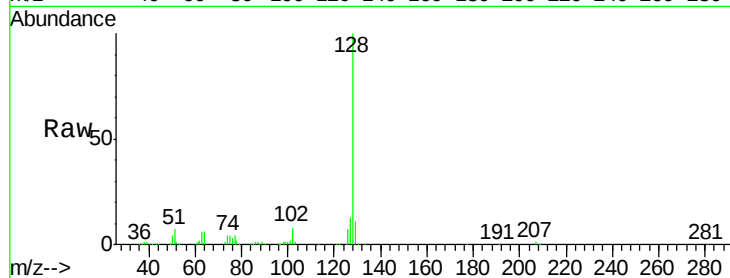
Tot Ion:128 Resp: 460347

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

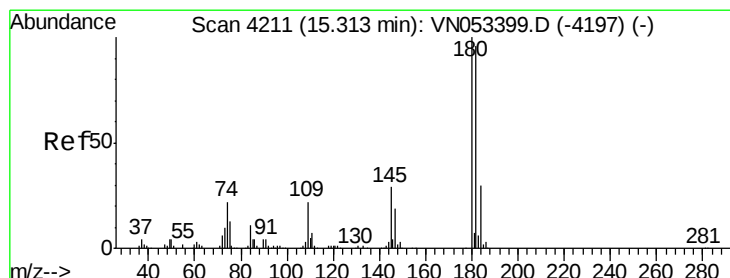
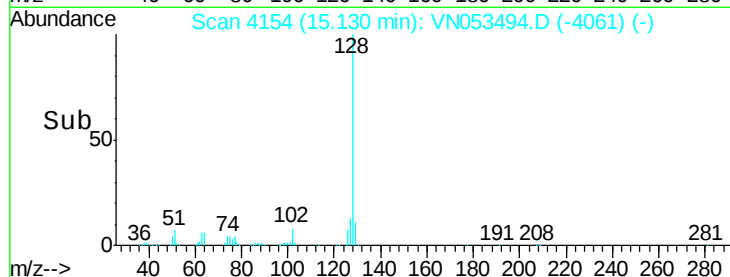
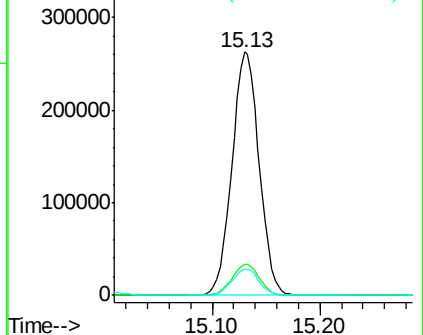
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 43.272 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

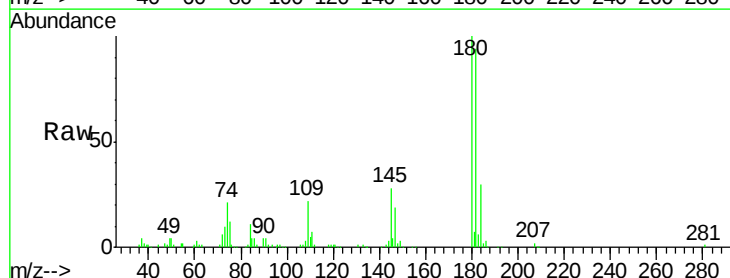
Tgt Ion:180 Resp: 221699

Ion Ratio Lower Upper

180 100

182 94.3 47.9 143.8

145 28.2 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

