

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020119\
 Data File : VN053573.D
 Acq On : 1 Feb 2019 13:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 01 22:49:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	762744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1125089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	990551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	486012	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	368471	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	7.59	113	354463	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.09	98	1325621	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.40	95	445235	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	422504	49.140	ug/l	99
3) Chloromethane	2.06	50	411308	45.422	ug/l	100
4) Vinyl Chloride	2.19	62	420035	47.784	ug/l	100
5) Bromomethane	2.57	94	264084	45.947	ug/l	99
6) Chloroethane	2.70	64	234669	46.716	ug/l	98
7) Trichlorofluoromethane	3.02	101	573632	48.122	ug/l	99
8) Diethyl Ether	3.41	74	203017	46.634	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	366141	49.665	ug/l	99
10) Methyl Iodide	3.95	142	528633	45.685	ug/l	100
11) Tert butyl alcohol	4.79	59	110928	244.954	ug/l	99
12) 1,1-Dichloroethene	3.74	96	333824	47.262	ug/l	99
13) Acrolein	3.61	56	36706	148.873	ug/l	98
14) Allyl chloride	4.32	41	530777	47.196	ug/l	99
15) Acrylonitrile	4.99	53	590443	241.517	ug/l	99
16) Acetone	3.82	43	502454	256.001	ug/l	98
17) Carbon Disulfide	4.05	76	1019310	46.346	ug/l	100
18) Methyl Acetate	4.32	43	264707	45.540	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	864724	48.294	ug/l	99
20) Methylene Chloride	4.55	84	370478	44.992	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	360957	47.368	ug/l	98
22) Diisopropyl ether	5.95	45	1030975	49.475	ug/l	97
23) Vinyl Acetate	5.89	43	3585756	248.743	ug/l	99
24) 1,1-Dichloroethane	5.85	63	645780	46.463	ug/l	100
25) 2-Butanone	6.84	43	697883	249.311	ug/l	100
26) 2,2-Dichloropropane	6.82	77	496674	46.812	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	401051	47.331	ug/l	98
28) Bromochloromethane	7.19	49	293721	48.698	ug/l	97
29) Tetrahydrofuran	7.21	42	441319	245.521	ug/l	99
30) Chloroform	7.37	83	643118	46.678	ug/l	100
31) Cyclohexane	7.65	56	613131	47.372	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	539554	47.057	ug/l	100
36) 1,1-Dichloropropene	7.79	75	503307	49.626	ug/l	99
37) Ethyl Acetate	6.93	43	287953	50.836	ug/l	100
38) Carbon Tetrachloride	7.77	117	488571	47.820	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	627637	52.162	ug/l	100
40) Benzene	8.04	78	1510826	48.307	ug/l	99
41) Methacrylonitrile	7.17	41	165892	52.402	ug/l	95
42) 1,2-Dichloroethane	8.12	62	446384	48.069	ug/l	100
43) Isopropyl Acetate	8.16	43	507653	46.407	ug/l #	88
44) Trichloroethene	8.83	130	430821	48.386	ug/l	98
45) 1,2-Dichloropropane	9.12	63	389560	48.699	ug/l	99
46) Dibromomethane	9.21	93	227408	47.159	ug/l	97
47) Bromodichloromethane	9.40	83	491703	49.042	ug/l	100
48) Methyl methacrylate	9.20	41	247450	47.389	ug/l	94
49) 1,4-Dioxane	9.20	88	71531	947.537	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1359809	252.966	ug/l	100
52) Toluene	10.16	92	922099	49.678	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	490405	48.846	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	582119	48.930	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	327925	49.028	ug/l	99
56) Ethyl methacrylate	10.43	69	398464	50.359	ug/l	99
57) 1,3-Dichloropropane	10.71	76	555141	48.564	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1030972	211.374	ug/l	99
59) 2-Hexanone	10.75	43	918687	251.747	ug/l	99
60) Dibromochloromethane	10.90	129	373508	49.520	ug/l	99
61) 1,2-Dibromoethane	11.00	107	315601	47.673	ug/l	100
64) Tetrachloroethene	10.63	164	412123	48.535	ug/l	99
65) Chlorobenzene	11.43	112	1011507	48.075	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	357802	48.693	ug/l	99
67) Ethyl Benzene	11.51	91	1694833	49.036	ug/l	100
68) m/p-Xylenes	11.62	106	1318290	99.936	ug/l	100
69) o-Xylene	11.95	106	630233	49.453	ug/l	100
70) Styrene	11.96	104	1042564	50.473	ug/l	100
71) Bromoform	12.13	173	252679	50.158	ug/l #	99
73) Isopropylbenzene	12.25	105	1644906	48.145	ug/l	100
74) N-amyl acetate	12.07	43	382781	46.591	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	373314	45.655	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	467027	74.814	ug/l #	100
77) Bromobenzene	12.53	156	440238	47.810	ug/l	97
78) n-propylbenzene	12.59	91	1965583	49.766	ug/l	100
79) 2-Chlorotoluene	12.67	91	1137635	48.550	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1426968	50.366	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	104615	47.123	ug/l	98
82) 4-Chlorotoluene	12.77	91	1170121	48.664	ug/l	100
83) tert-Butylbenzene	12.99	119	1223937	48.879	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1454043	50.374	ug/l	100
85) sec-Butylbenzene	13.17	105	1696313	49.782	ug/l	100
86) p-Isopropyltoluene	13.29	119	1516760	50.895	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	793823	47.957	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	776370	47.415	ug/l	100
89) n-Butylbenzene	13.62	91	1326329	51.418	ug/l	100
90) Hexachloroethane	13.87	117	236375	48.086	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	746652	47.117	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	55366	47.511	ug/l	98

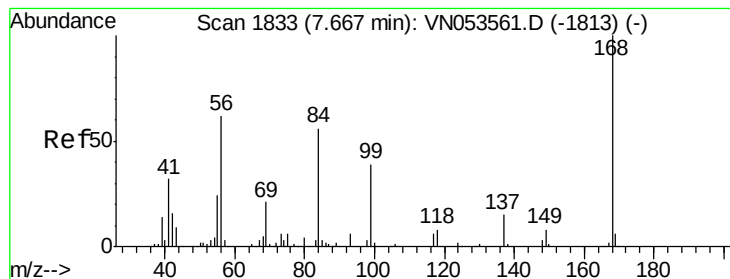
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	475593	52.329	ug/l	100
94) Hexachlorobutadiene	15.01	225	285528	50.447	ug/l	99
95) Naphthalene	15.13	128	981957	46.133	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	443479	52.588	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

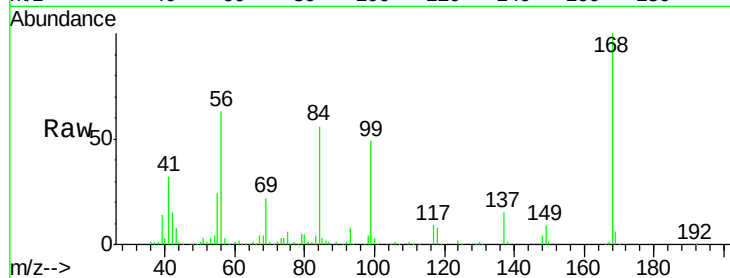
VSTDCCC050

Tot Ion:168 Resp: 762744

Ion Ratio Lower Upper

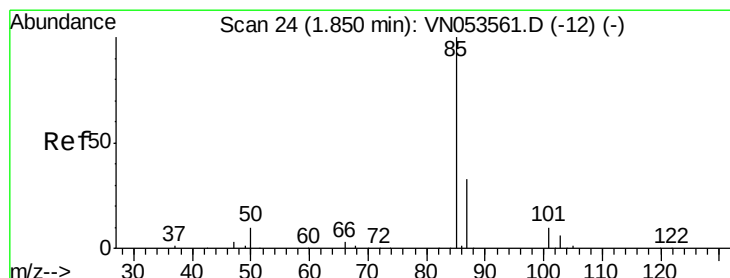
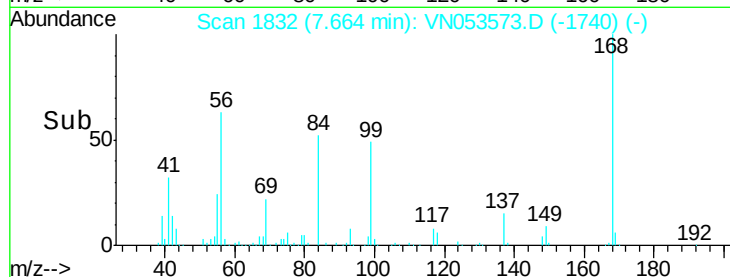
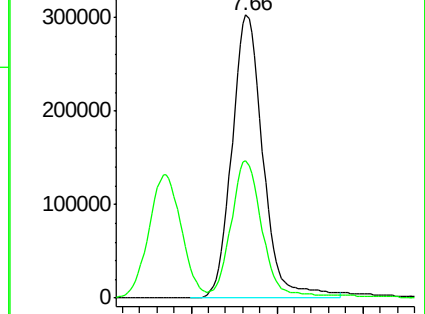
168 100

99 47.6 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: 49.140 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053573.D

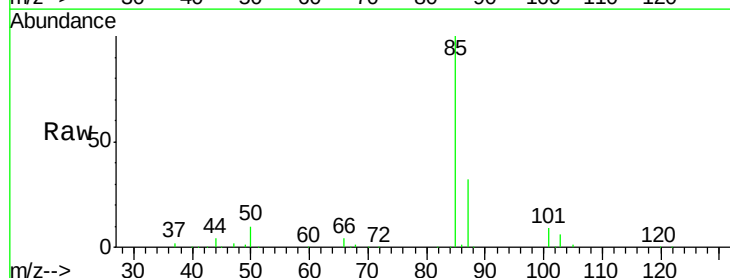
Acq: 1 Feb 2019 13:27

Tgt Ion: 85 Resp: 422504

Ion Ratio Lower Upper

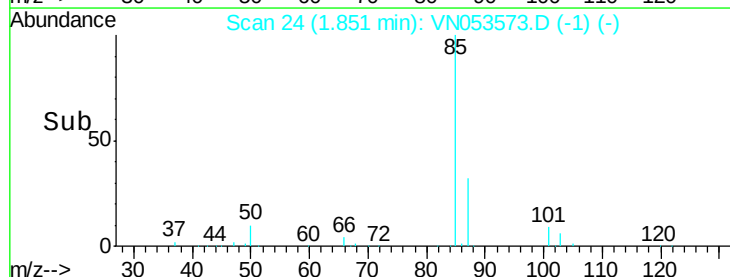
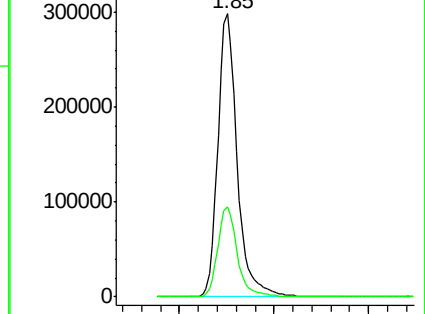
85 100

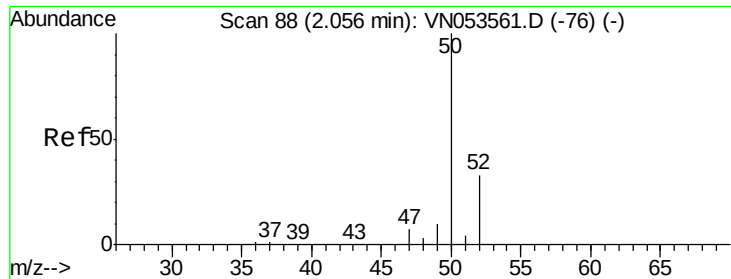
87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.422 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

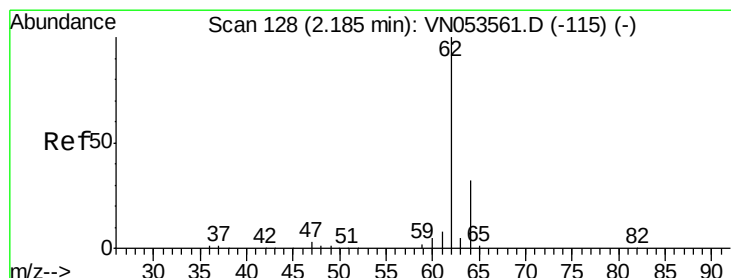
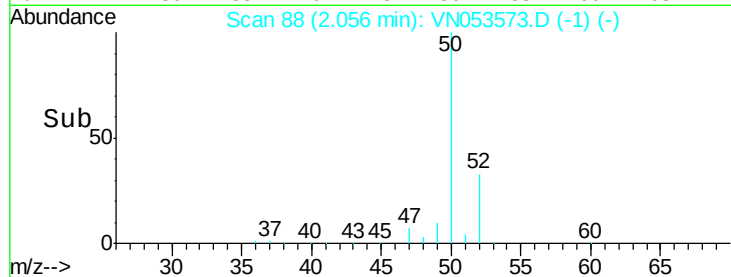
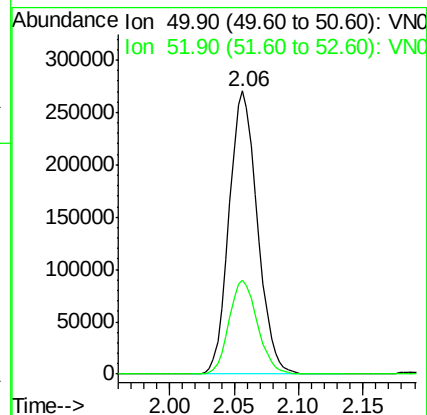
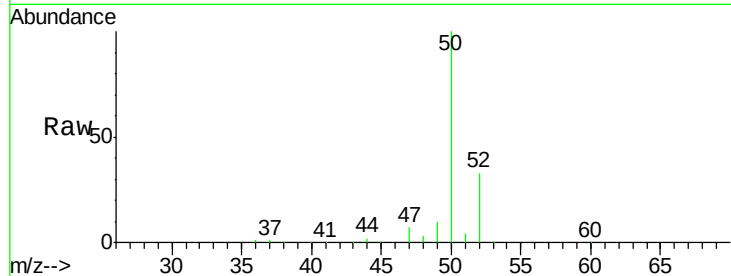
VSTDCCC050

Tot Ion: 50 Resp: 411308

Ion Ratio Lower Upper

50 100

52 33.3 26.6 40.0



#4

Vinyl Chloride

Concen: 47.784 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN053573.D

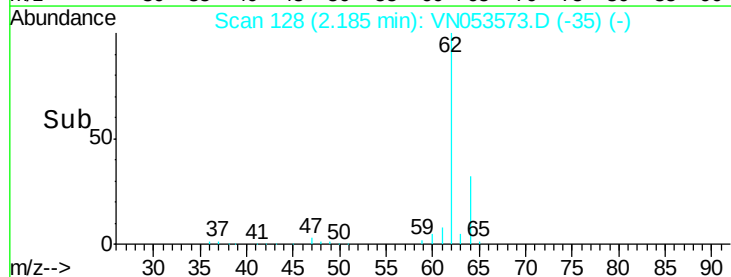
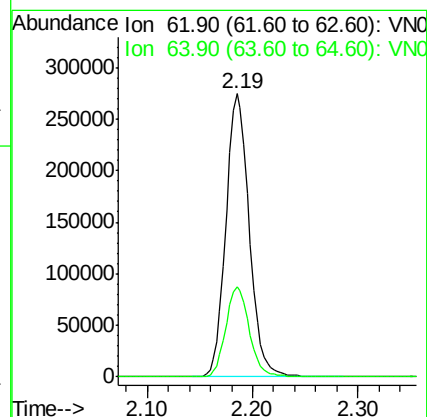
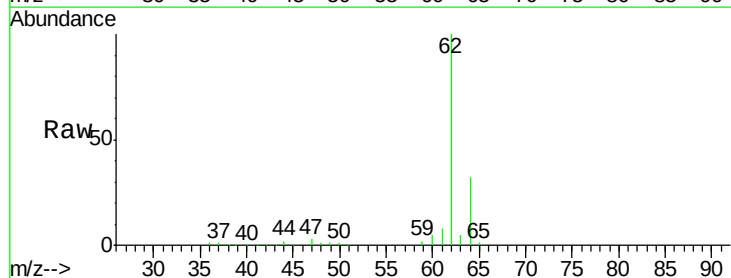
Acq: 1 Feb 2019 13:27

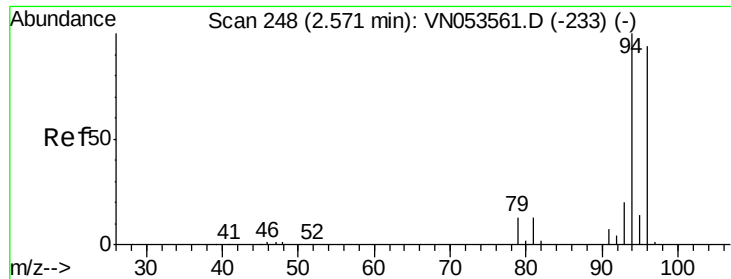
Tgt Ion: 62 Resp: 420035

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2

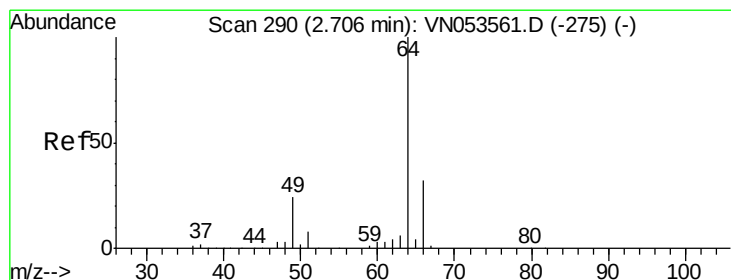
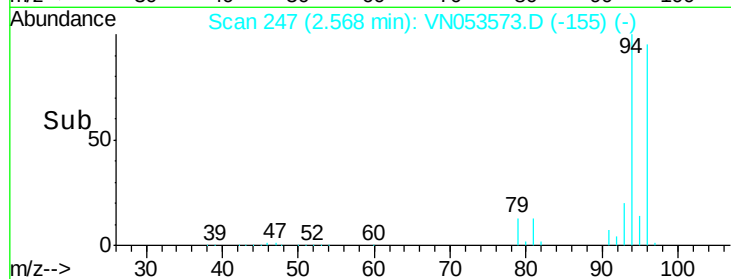
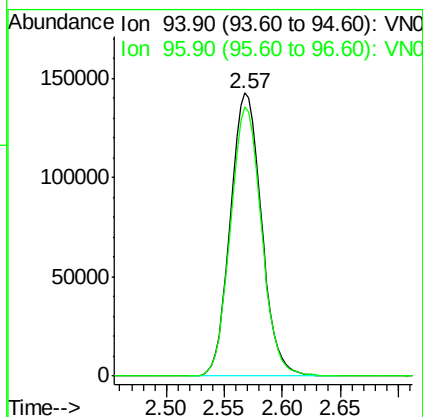
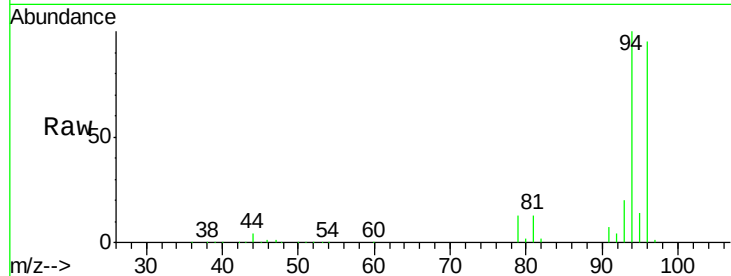




#5
Bromomethane
Concen: 45.947 ug/l
RT: 2.57 min Scan# 247
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

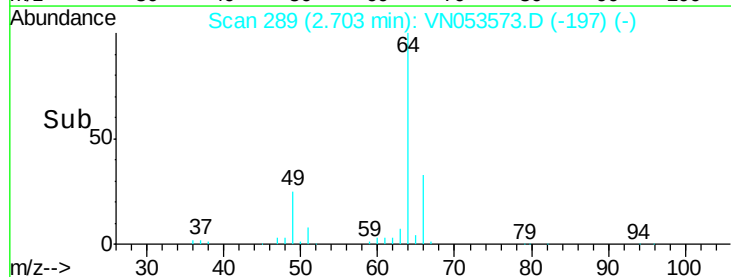
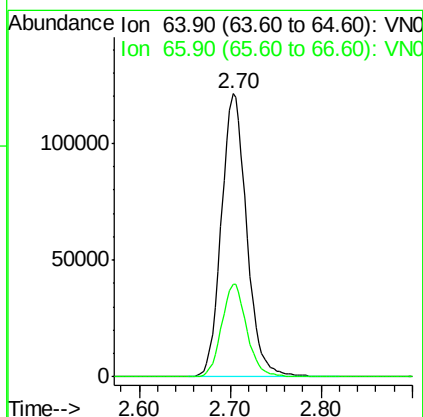
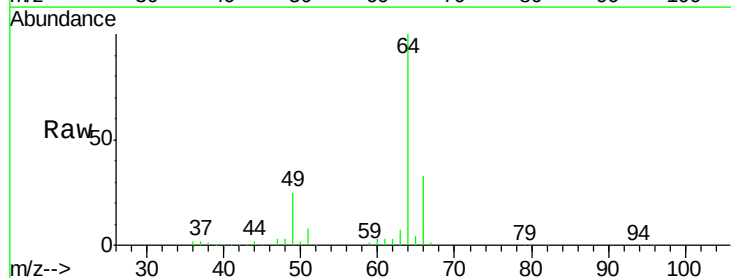
Instrument :
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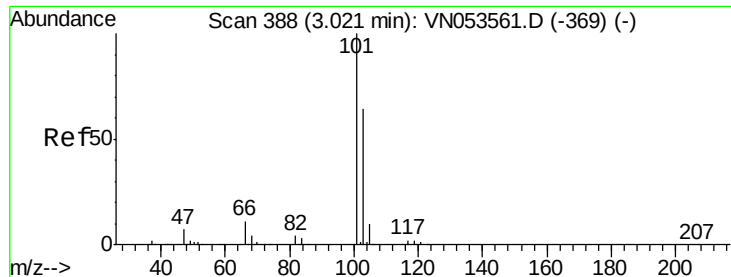
Tot Ion: 94 Resp: 264084
Ion Ratio Lower Upper
94 100
96 95.1 76.8 115.2



#6
Chloroethane
Concen: 46.716 ug/l
RT: 2.70 min Scan# 289
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 64 Resp: 234669
Ion Ratio Lower Upper
64 100
66 32.8 25.1 37.7



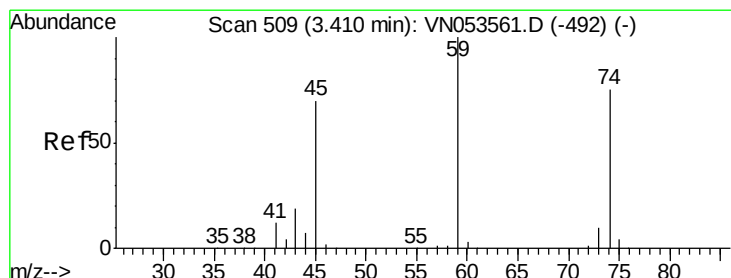
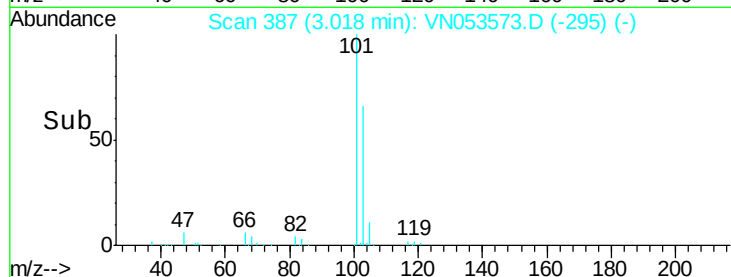
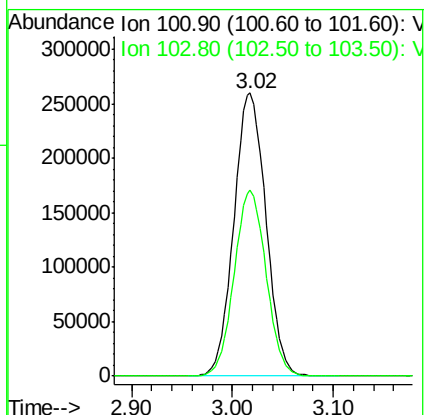
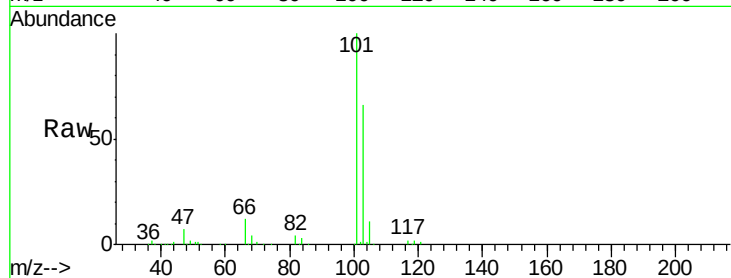


#7

Trichlorofluoromethane
Concen: 48.122 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

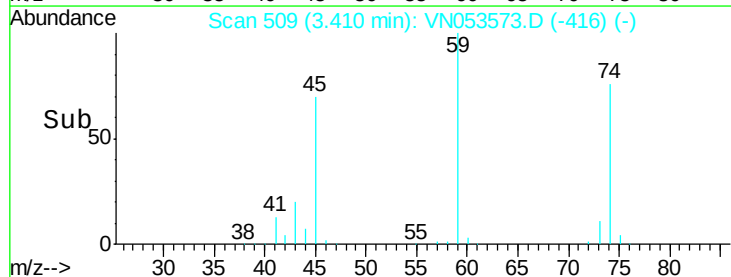
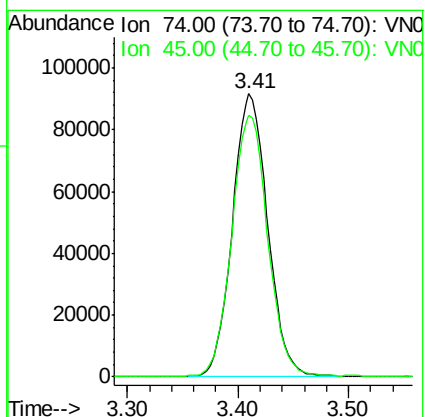
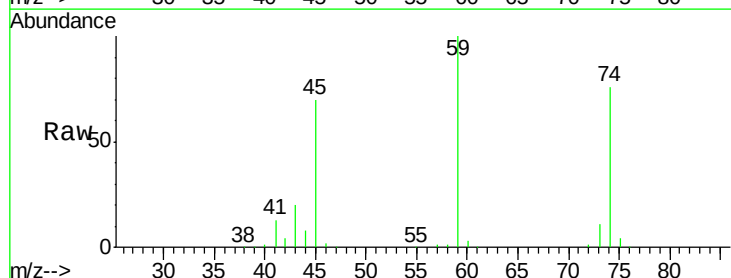
Tot Ion:101 Resp: 573632
Ion Ratio Lower Upper
101 100
103 65.7 51.6 77.4

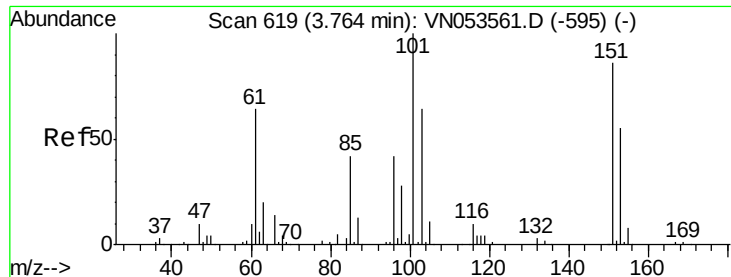


#8

Diethyl Ether
Concen: 46.634 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 74 Resp: 203017
Ion Ratio Lower Upper
74 100
45 93.9 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.665 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

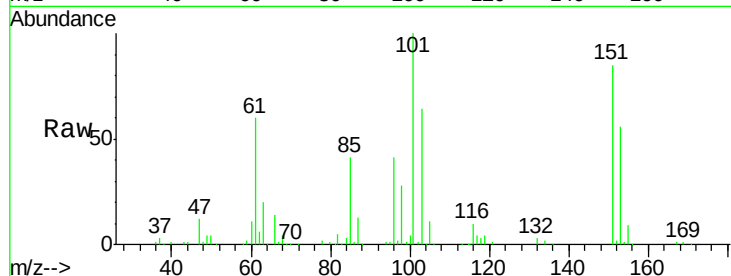
Tot Ion:101 Resp: 366141

Ion Ratio Lower Upper

101 100

85 41.2 32.8 49.2

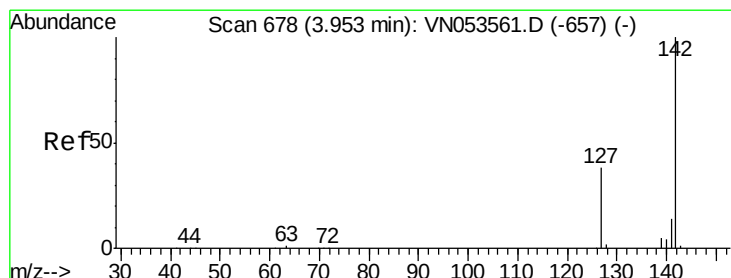
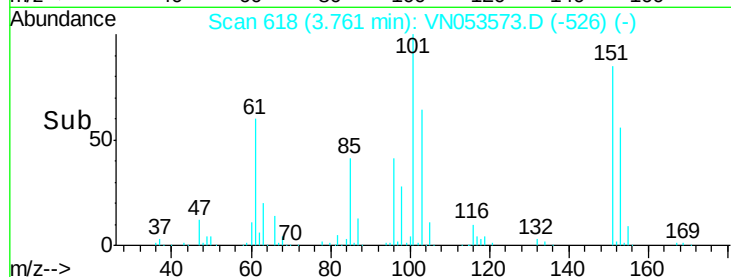
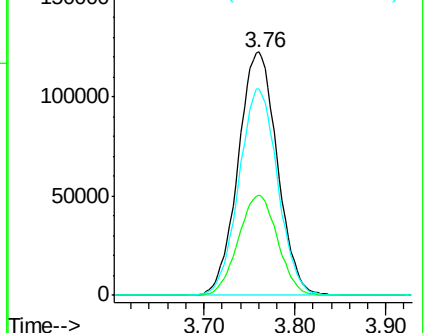
151 84.2 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.685 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

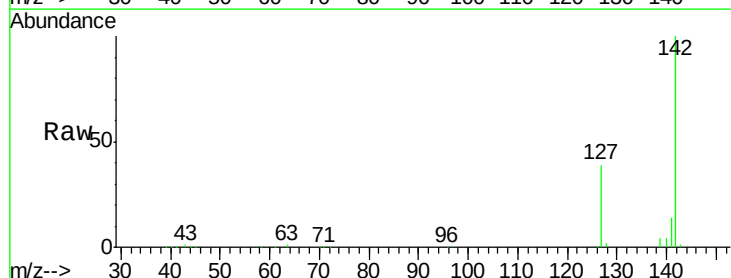
Tgt Ion:142 Resp: 528633

Ion Ratio Lower Upper

142 100

127 38.9 31.0 46.4

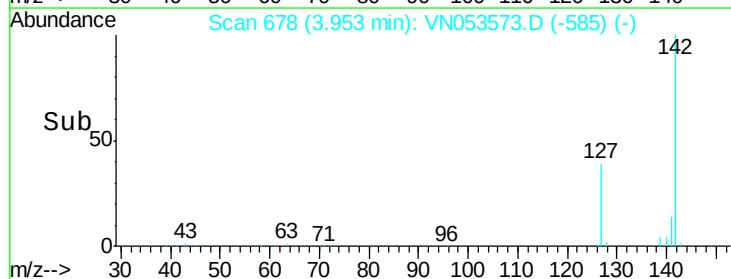
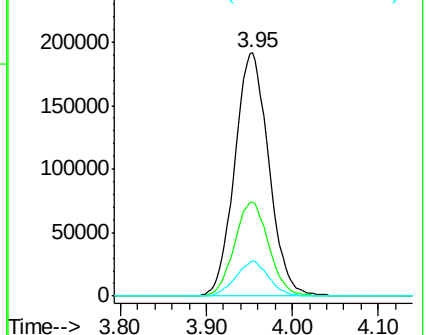
141 14.0 11.1 16.7

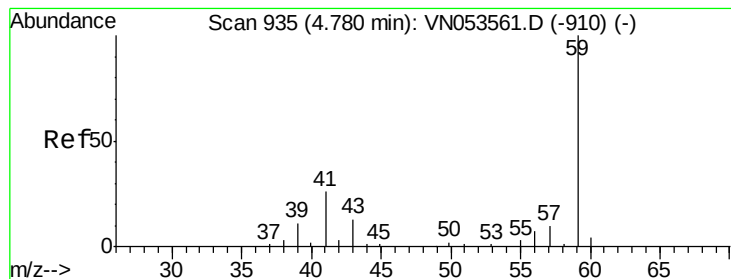


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



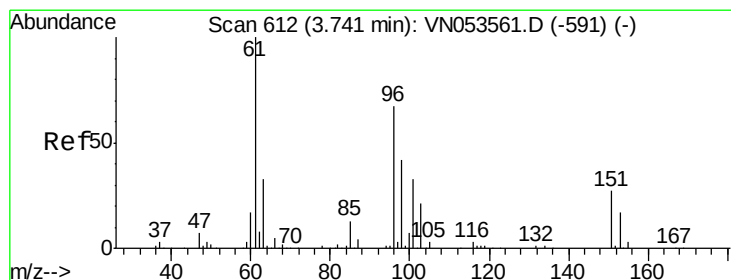
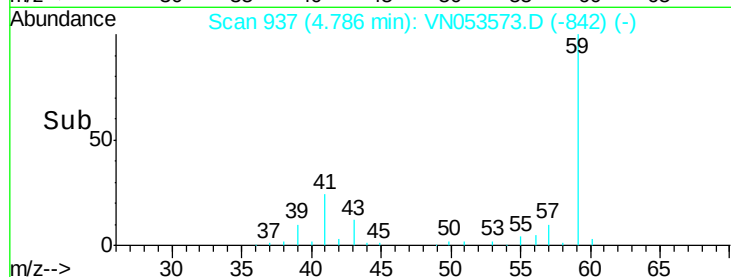
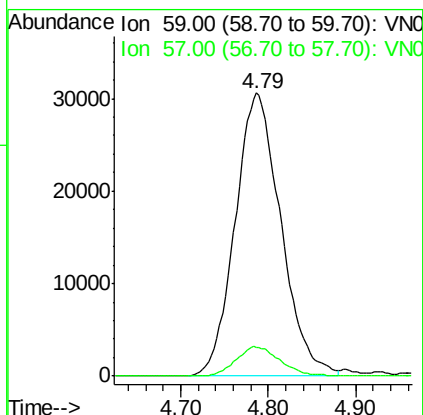
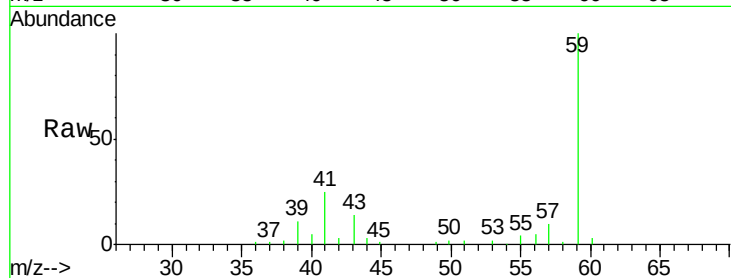


#11

Tert butyl alcohol
Concen: 244.954 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

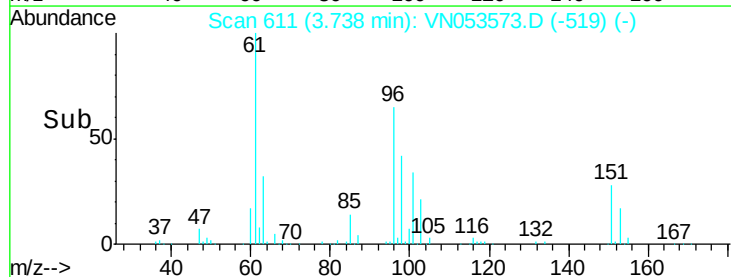
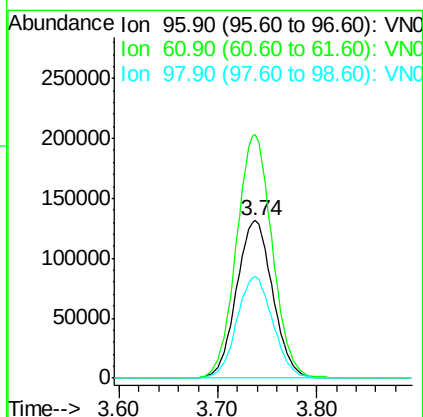
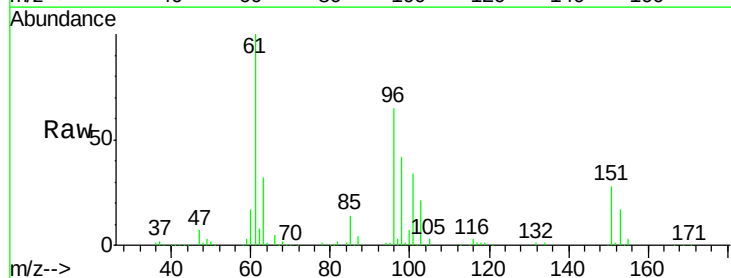
Tot Ion: 59 Resp: 110928
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.4

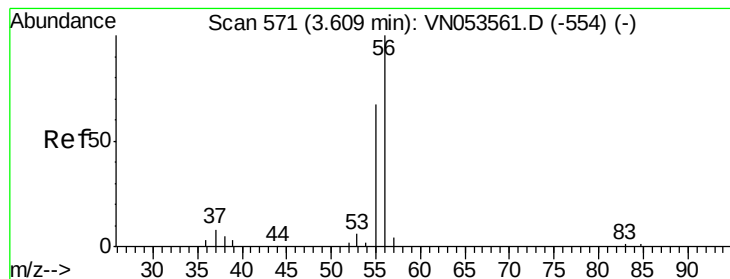


#12

1,1-Dichloroethene
Concen: 47.262 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 96 Resp: 333824
Ion Ratio Lower Upper
96 100
61 154.3 122.9 184.3
98 64.5 49.4 74.0





#13

Acrolein

Concen: 148.873 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

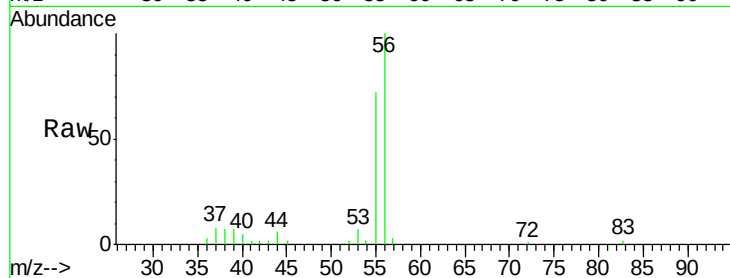
VSTDCCC050

Tot Ion: 56 Resp: 36706

Ion Ratio Lower Upper

56 100

55 69.8 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

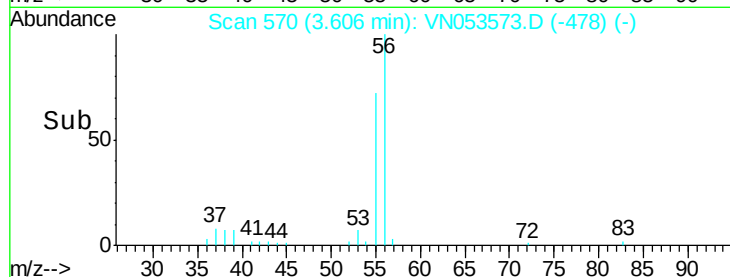
15000

10000

5000

0

Time-->

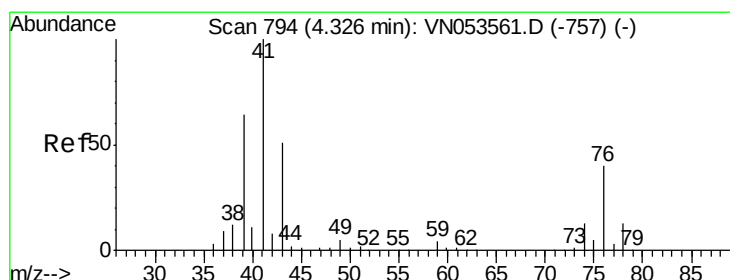


3.61

3.60

3.65

3.70



#14

Allyl chloride

Concen: 47.196 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

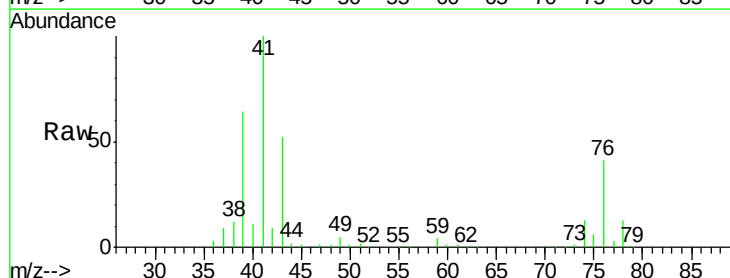
Tgt Ion: 41 Resp: 530777

Ion Ratio Lower Upper

41 100

39 61.1 48.9 73.3

76 38.1 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

200000

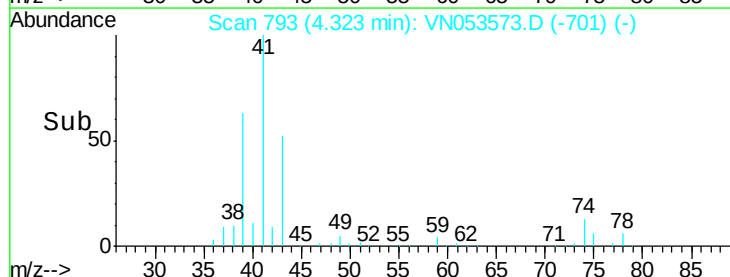
150000

100000

50000

0

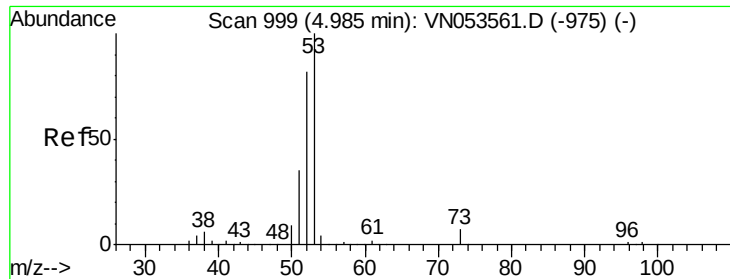
Time-->



4.32

4.30

4.40



#15

Acrylonitrile

Concen: 241.517 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

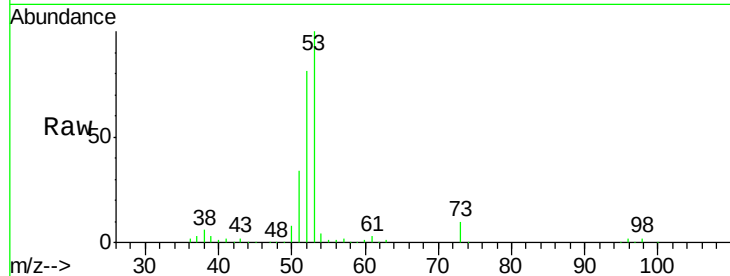
Tot Ion: 53 Resp: 590443

Ion Ratio Lower Upper

53 100

52 82.0 66.0 99.0

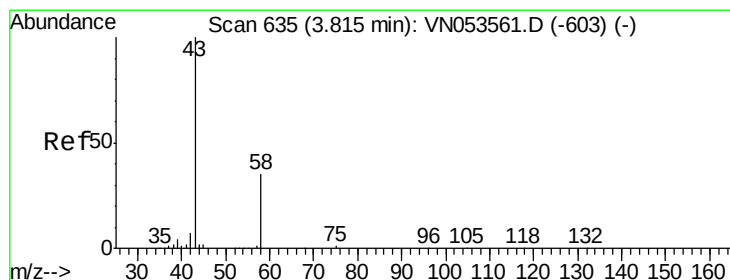
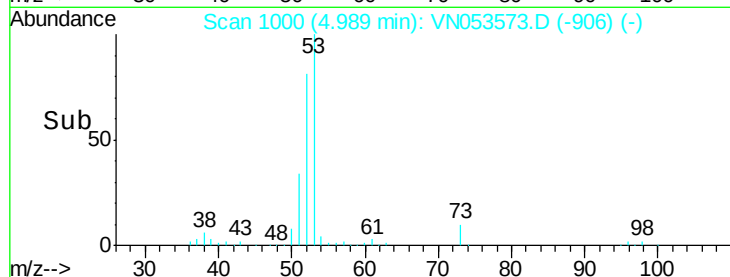
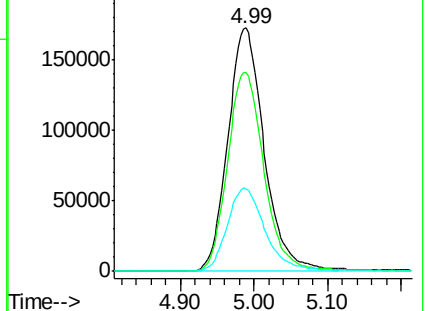
51 35.8 28.3 42.5



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: 256.001 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053573.D

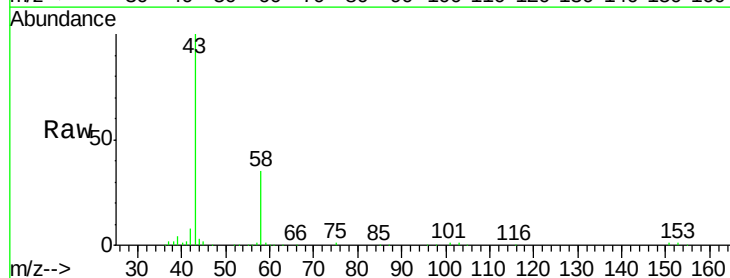
Acq: 1 Feb 2019 13:27

Tgt Ion: 43 Resp: 502454

Ion Ratio Lower Upper

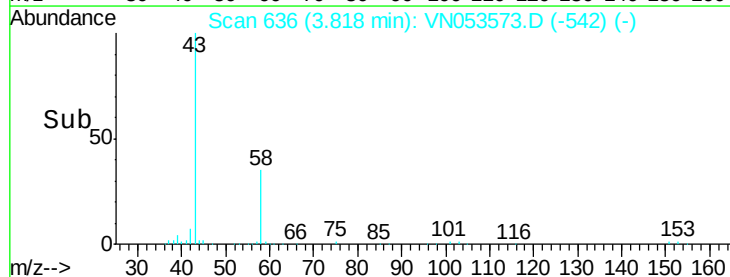
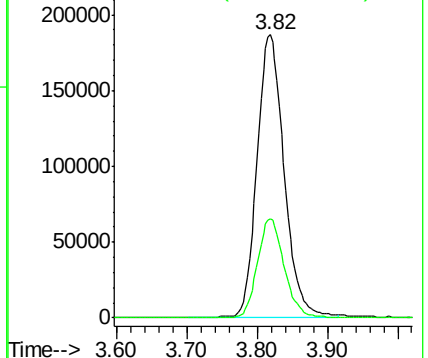
43 100

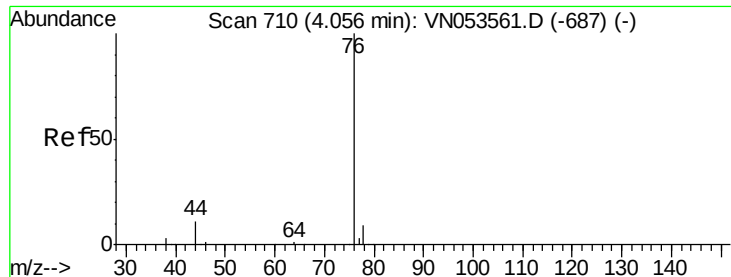
58 35.1 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 46.346 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

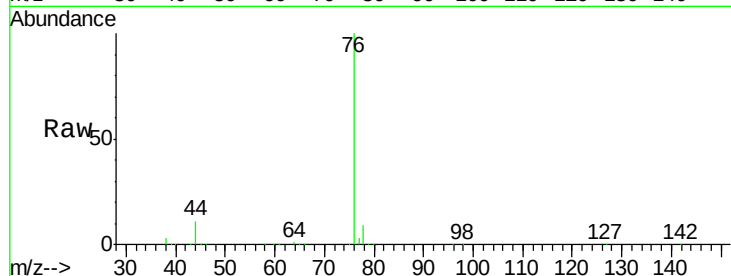
VSTDCCC050

Tot Ion: 76 Resp: 1019310

Ion Ratio Lower Upper

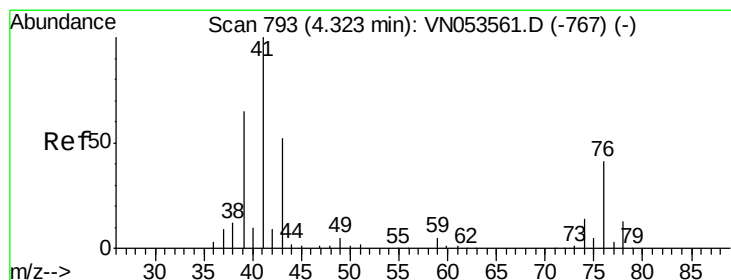
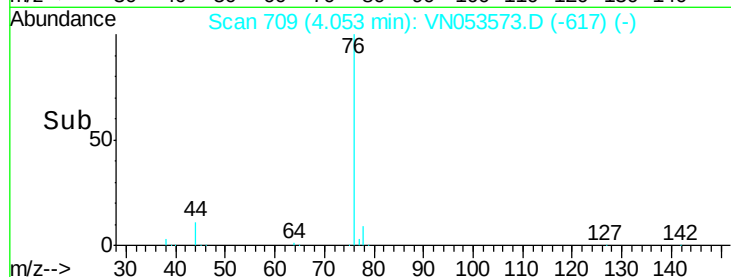
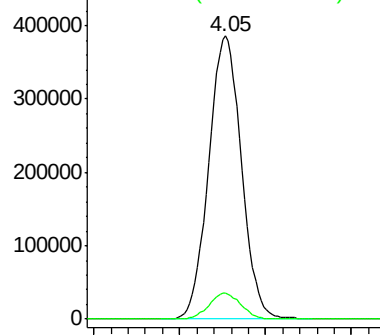
76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 45.540 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053573.D

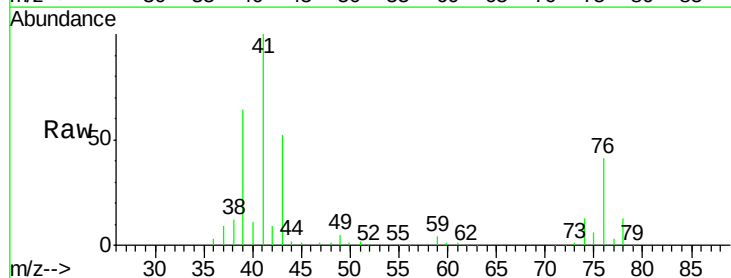
Acq: 1 Feb 2019 13:27

Tgt Ion: 43 Resp: 264707

Ion Ratio Lower Upper

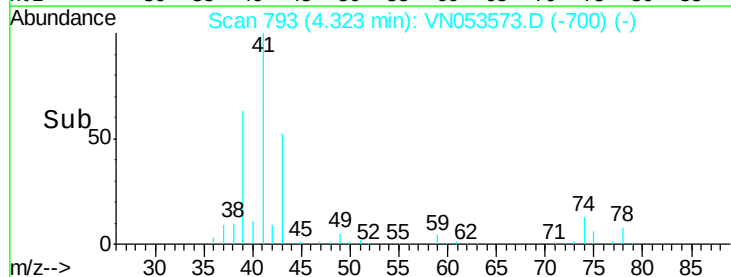
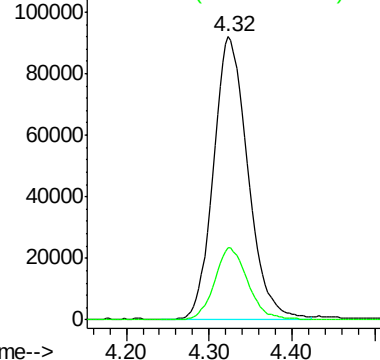
43 100

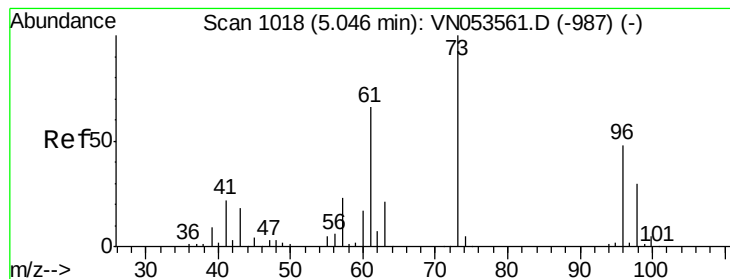
74 24.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#19

Methyl tert-butyl Ether

Concen: 48.294 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampled :

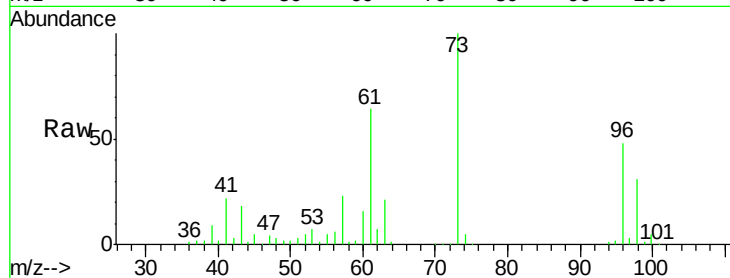
VSTDCCC050

Tot Ion: 73 Resp: 864724

Ion Ratio Lower Upper

73 100

57 22.5 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VN053561.D (-987) (-)

Ion 57.00 (56.70 to 57.70): VN053561.D (-987) (-)

5.04

250000

200000

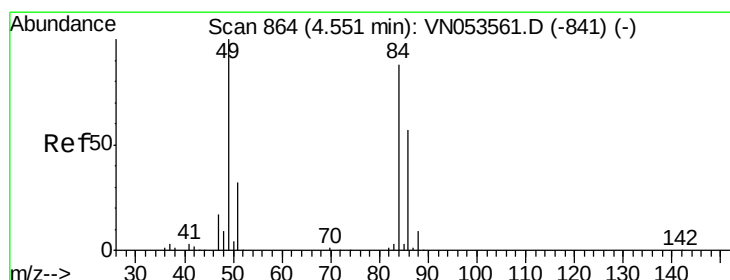
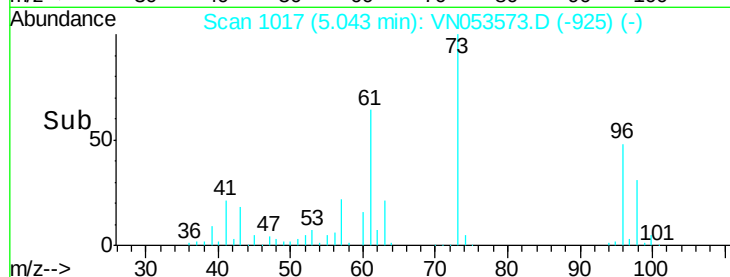
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 44.992 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Tgt Ion: 84 Resp: 370478

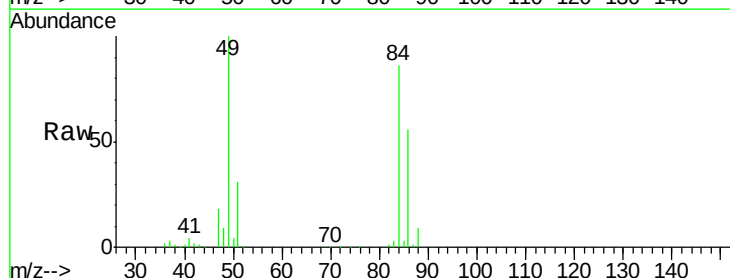
Ion Ratio Lower Upper

84 100

49 116.0 94.3 141.5

51 36.3 29.4 44.2

86 65.4 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VN053561.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN053561.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN053561.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN053561.D (-841) (-)

200000

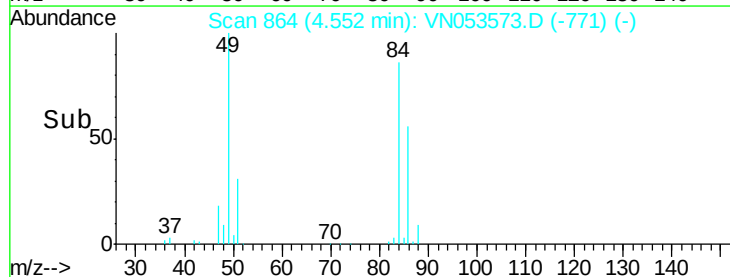
150000

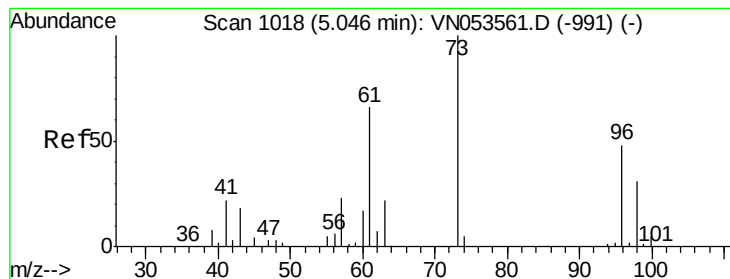
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 47.368 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

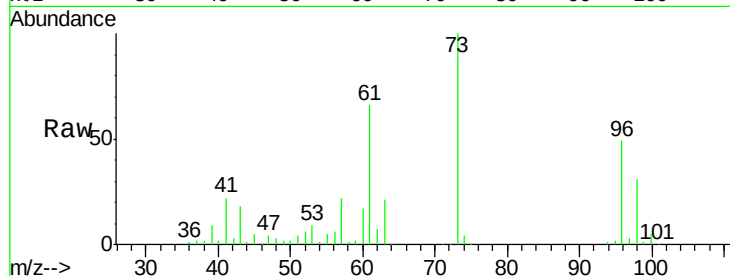
Tot Ion: 96 Resp: 360957

Ion Ratio Lower Upper

96 100

61 134.9 110.1 165.1

98 62.6 50.0 75.0

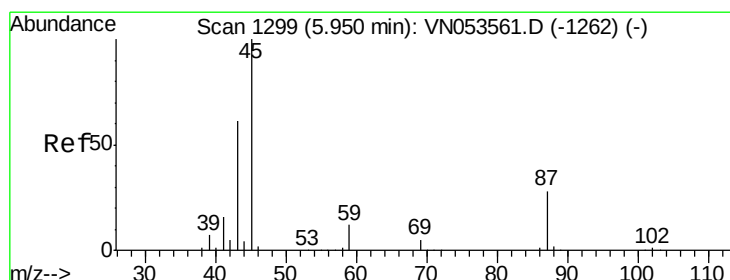
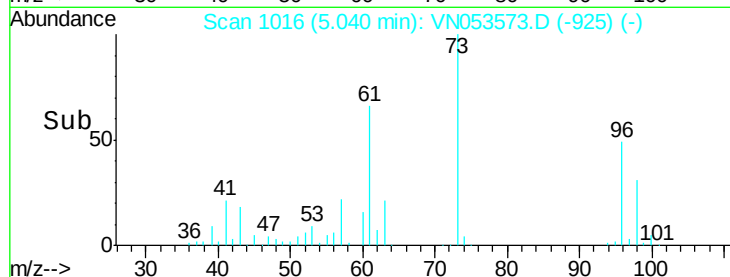
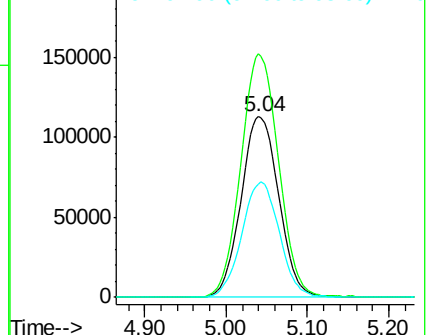


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.475 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Tgt Ion: 45 Resp: 1030975

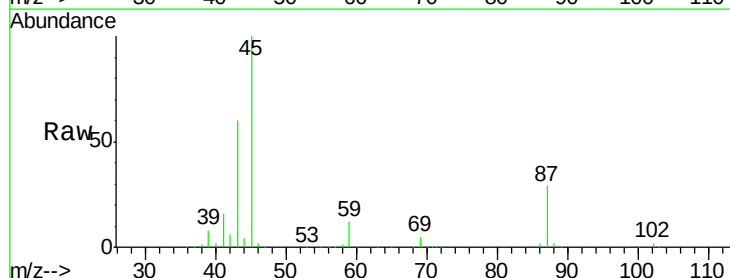
Ion Ratio Lower Upper

45 100

43 58.9 44.2 66.4

87 28.7 22.7 34.1

59 12.1 9.4 14.2



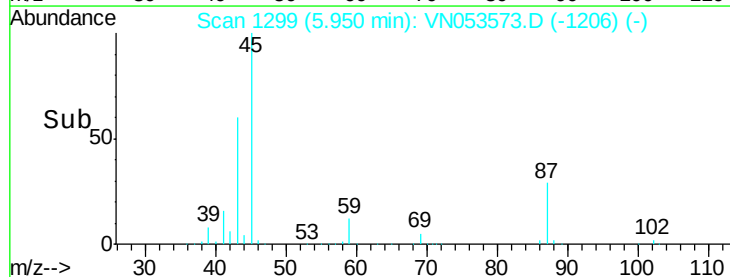
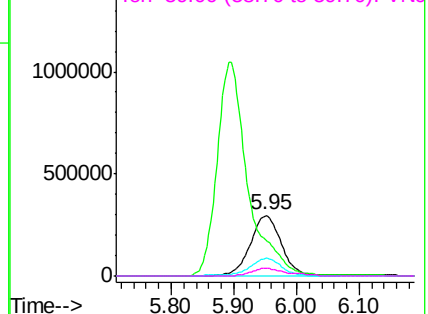
Abundance

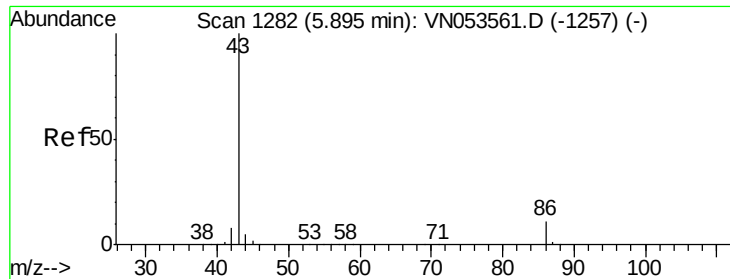
Ion 45.00 (44.70 to 45.70): VN0

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: 248.743 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

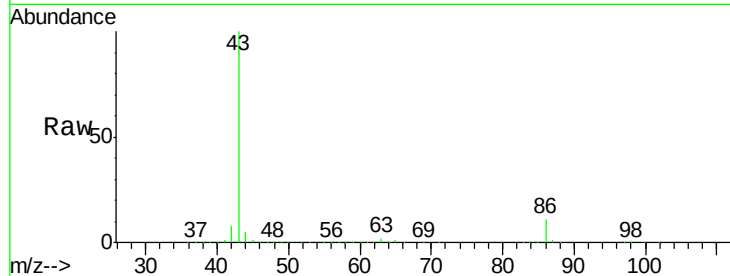
VSTDCCC050

Tot Ion: 43 Resp: 3585756

Ion Ratio Lower Upper

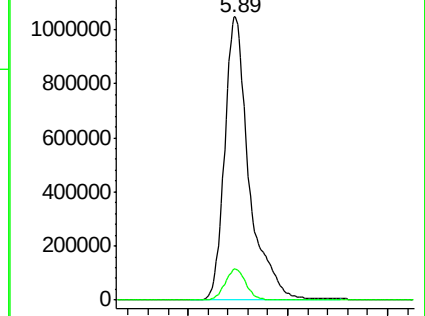
43 100

86 10.9 8.4 12.6

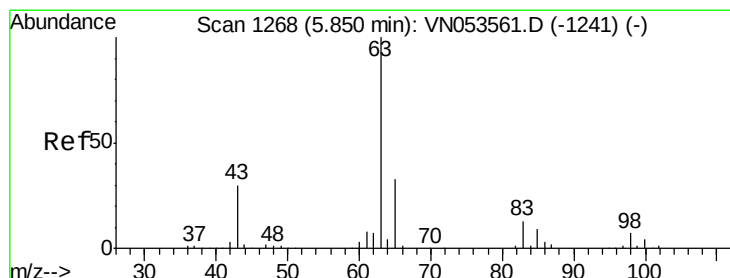
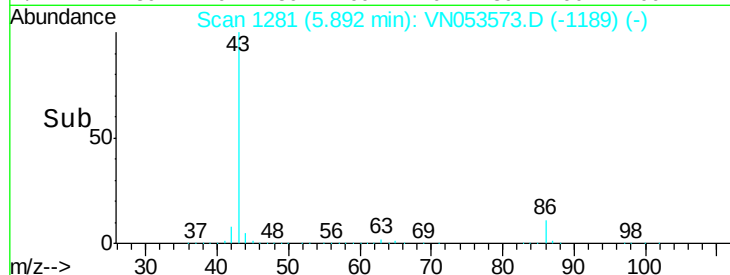


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 46.463 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

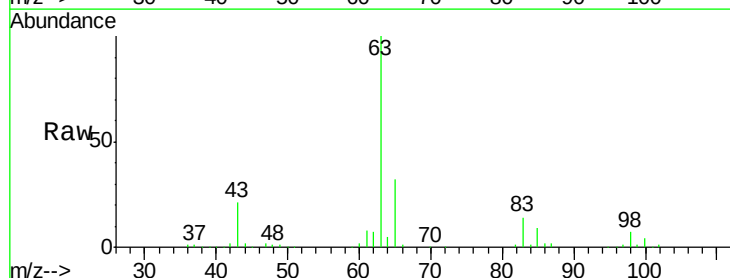
Tgt Ion: 63 Resp: 645780

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

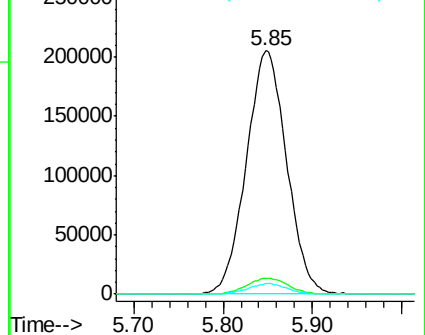
100 4.2 2.1 6.5



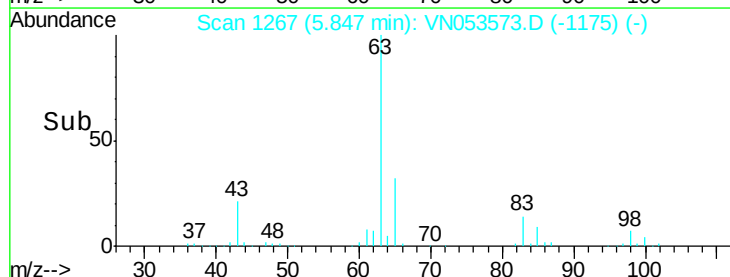
Abundance Ion 62.90 (62.60 to 63.60): VN0

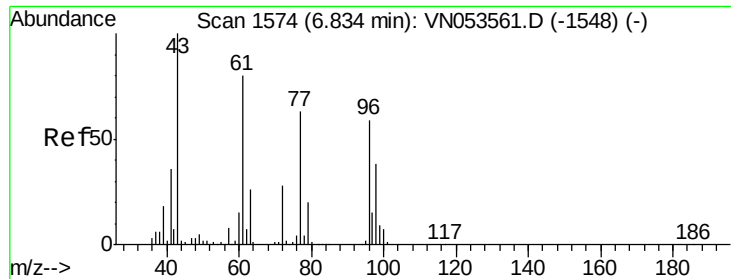
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 249.311 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

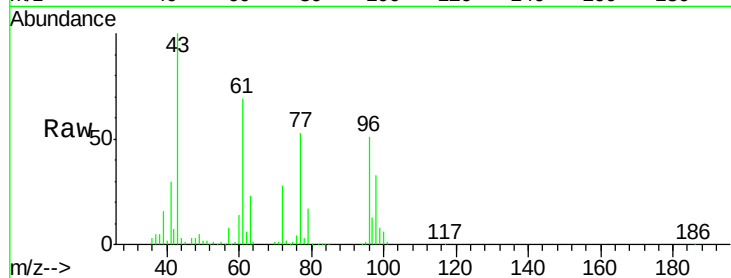
VSTDCCC050

Tot Ion: 43 Resp: 697883

Ion Ratio Lower Upper

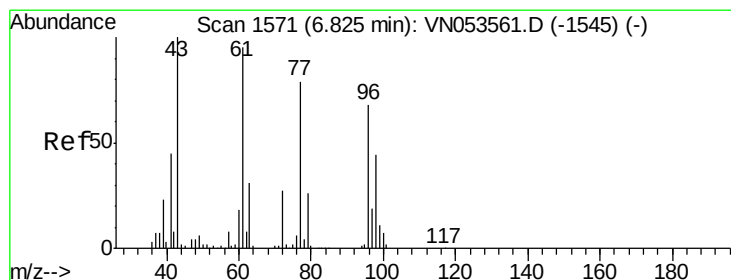
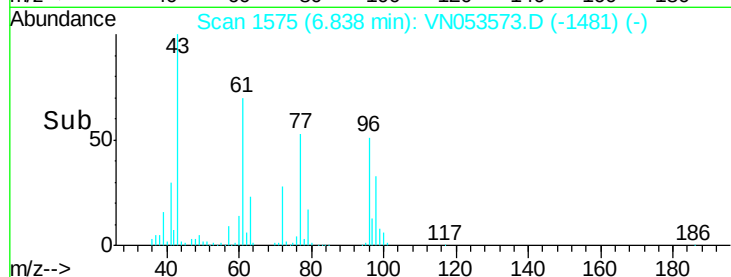
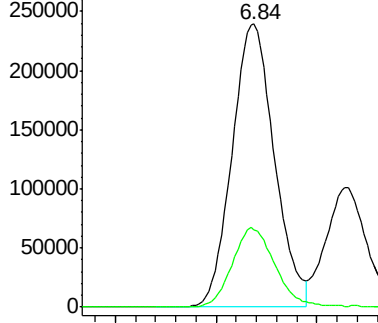
43 100

72 27.5 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 46.812 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053573.D

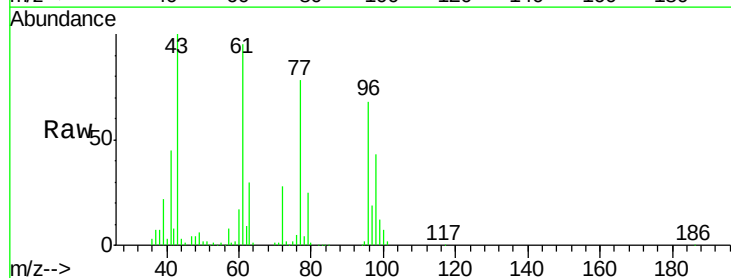
Acq: 1 Feb 2019 13:27

Tgt Ion: 77 Resp: 496674

Ion Ratio Lower Upper

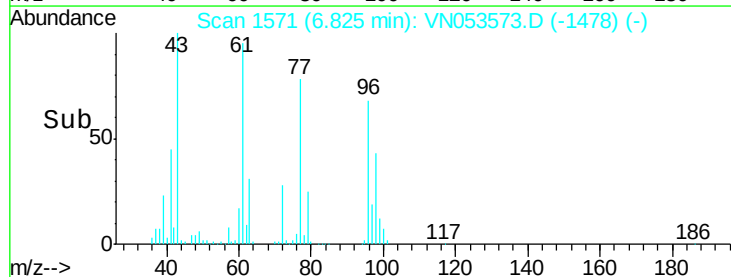
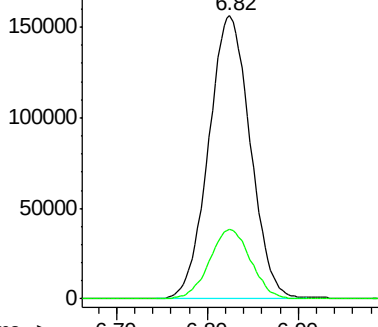
77 100

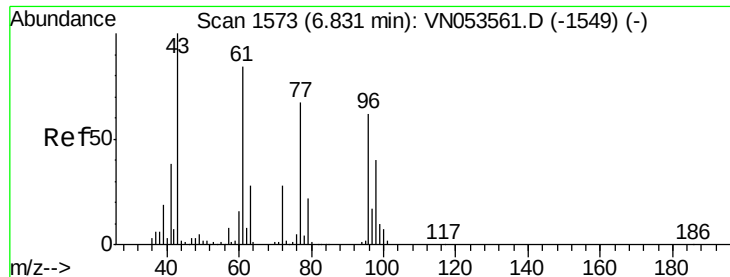
97 24.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 47.331 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

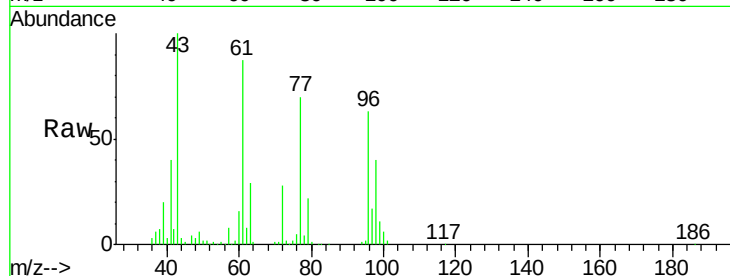
Tot Ion: 96 Resp: 401051

Ion Ratio Lower Upper

96 100

61 139.4 0.0 283.8

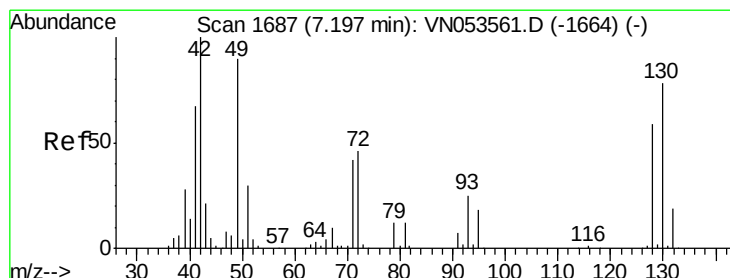
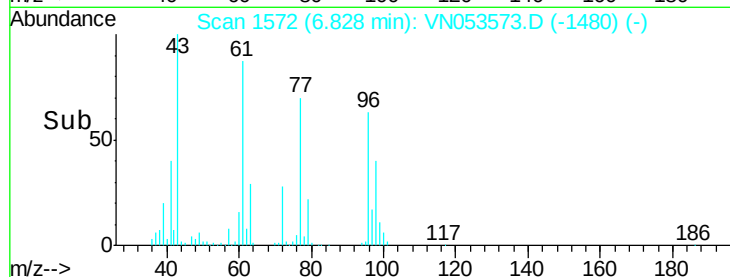
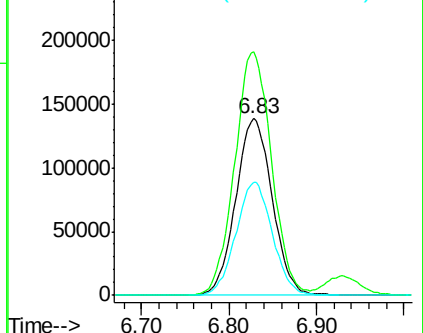
98 64.2 0.0 129.2



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



#28

Bromochloromethane

Concen: 48.698 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

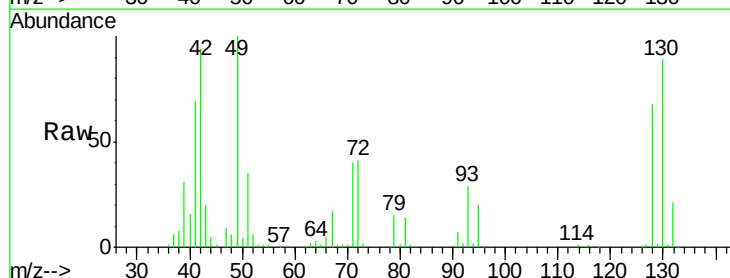
Tgt Ion: 49 Resp: 293721

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

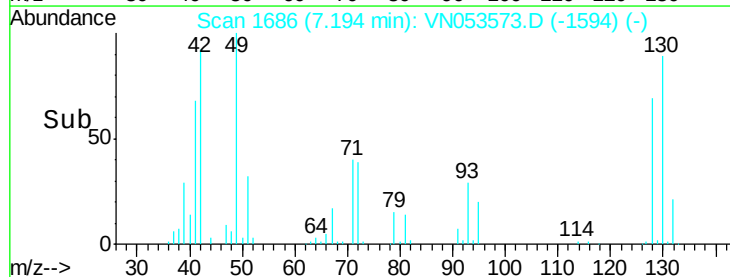
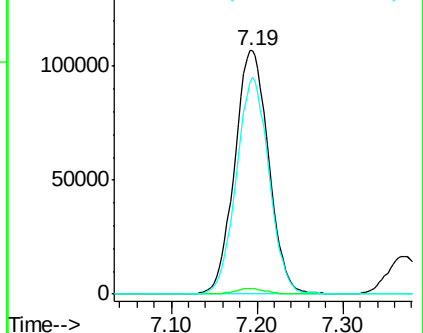
130 85.8 66.3 99.5

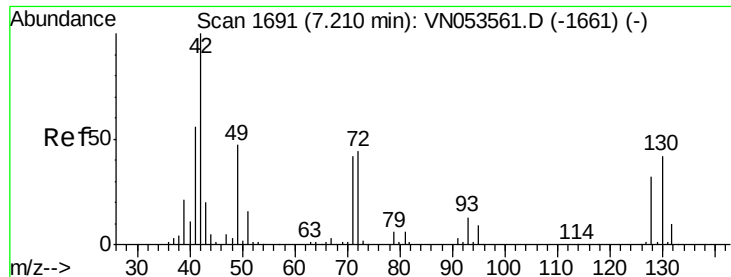


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

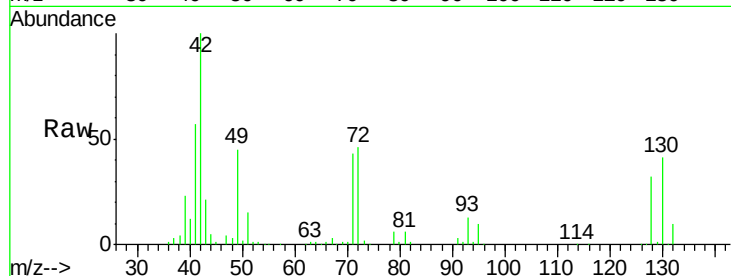




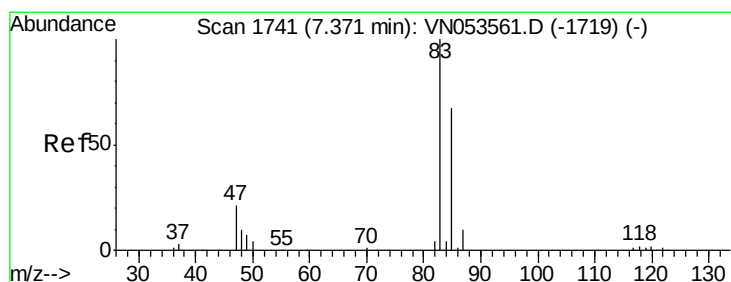
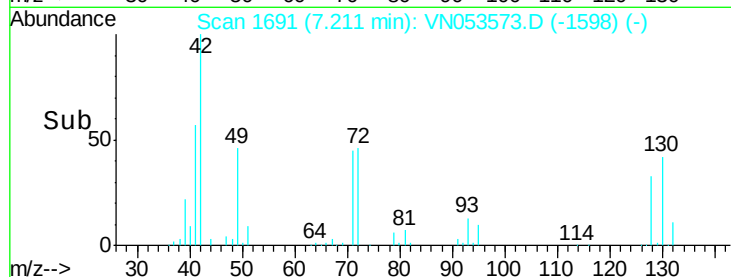
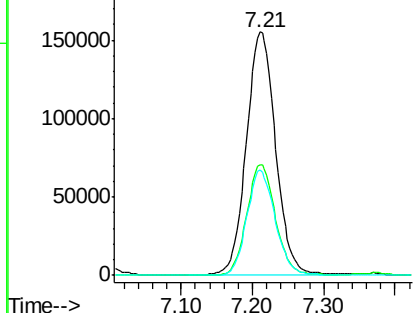
#29
Tetrahydrofuran
Concen: 245.521 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 441319
Ion Ratio Lower Upper
42 100
72 44.7 35.2 52.8
71 41.9 33.0 49.4

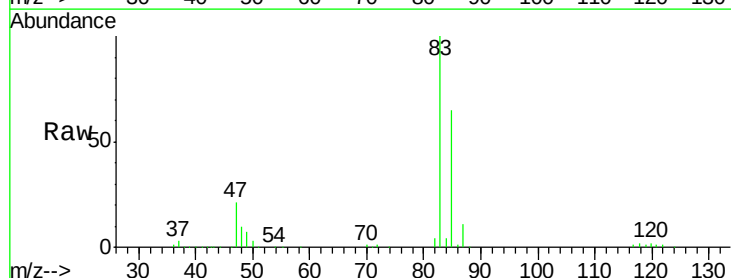


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

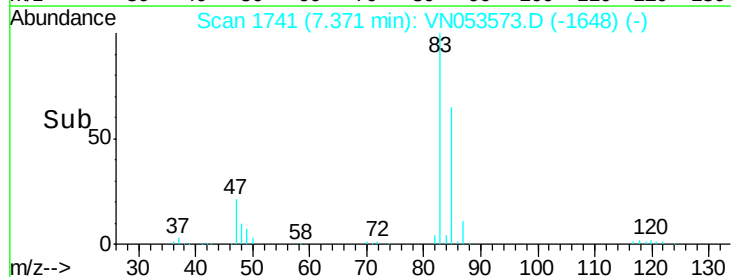
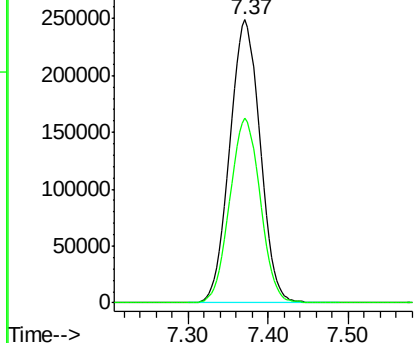


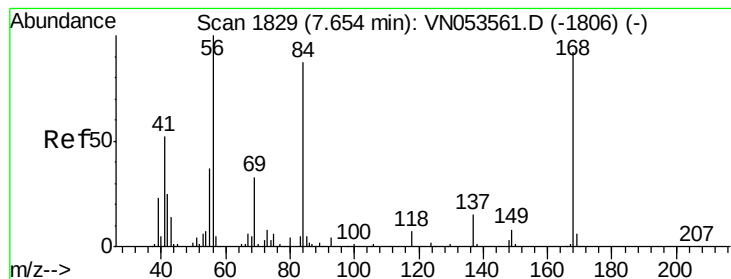
#30
Chloroform
Concen: 46.678 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 83 Resp: 643118
Ion Ratio Lower Upper
83 100
85 65.1 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 47.372 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

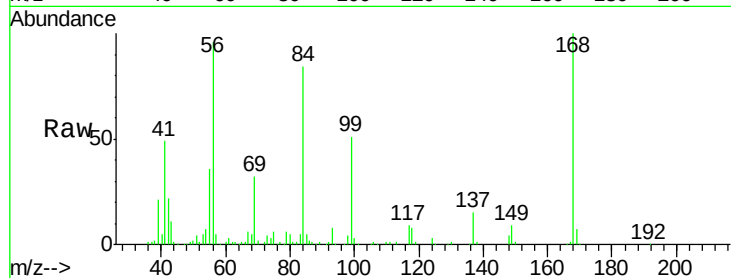
Tot Ion: 56 Resp: 613131

Ion Ratio Lower Upper

56 100

69 32.9 26.4 39.6

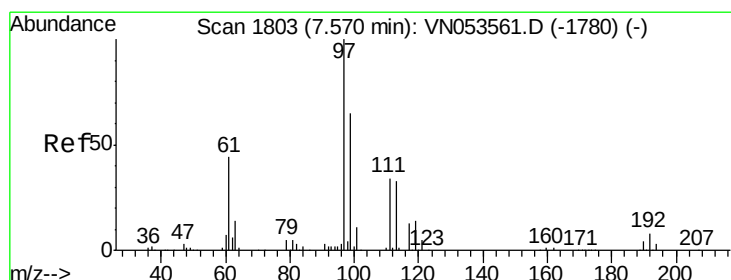
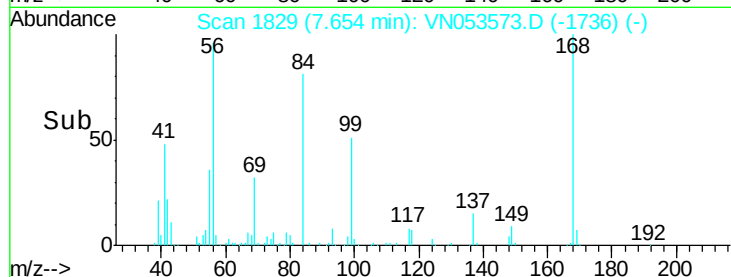
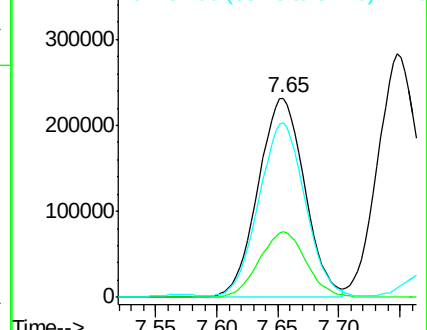
84 86.5 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 47.057 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

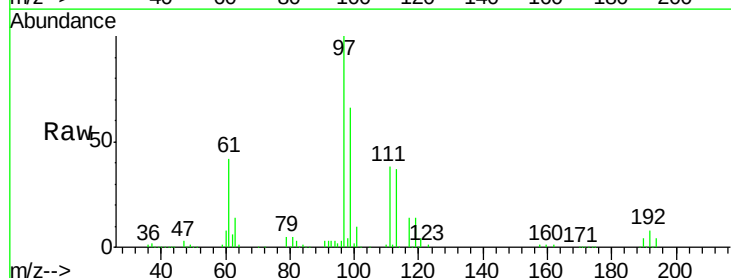
Tgt Ion: 97 Resp: 539554

Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

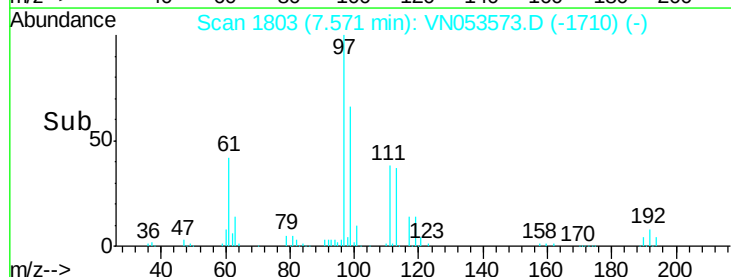
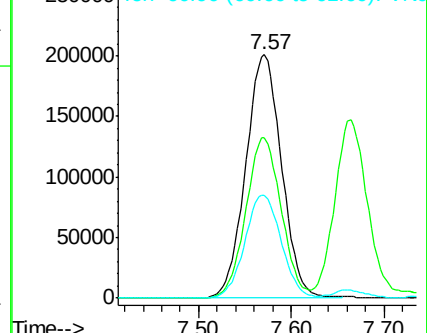
61 42.7 34.4 51.6

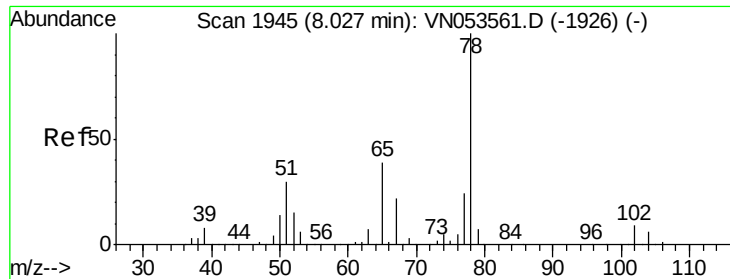


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

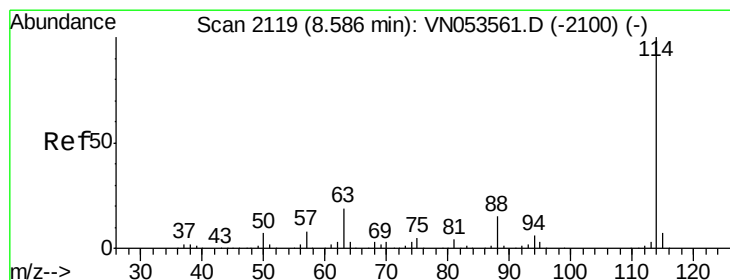
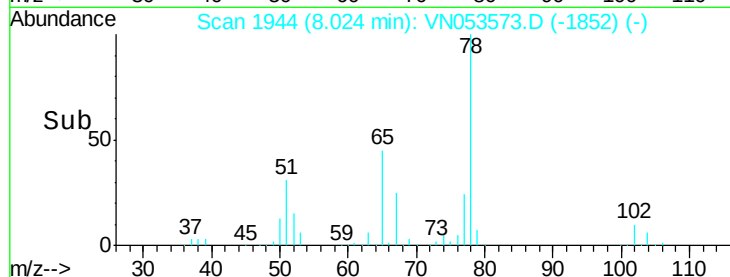
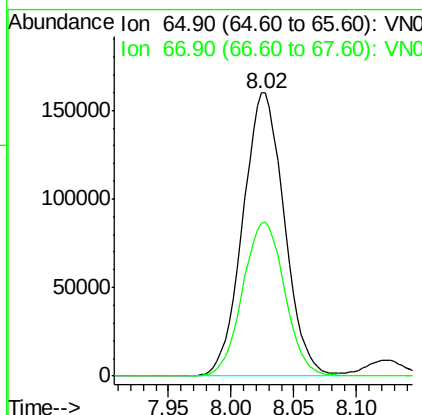
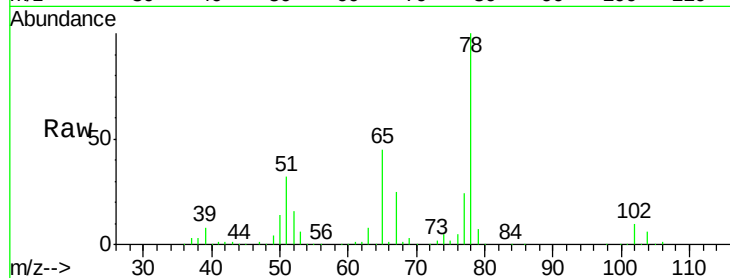




#33
 1,2-Dichloroethane-d4
 Concen: 47.057 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

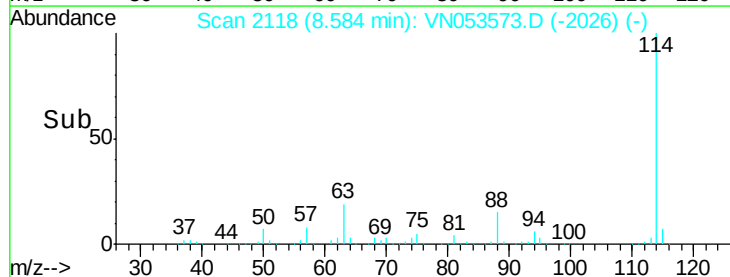
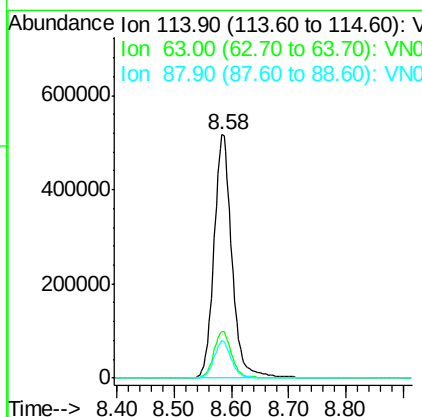
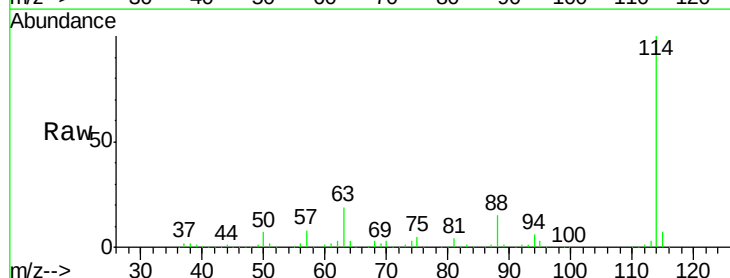
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

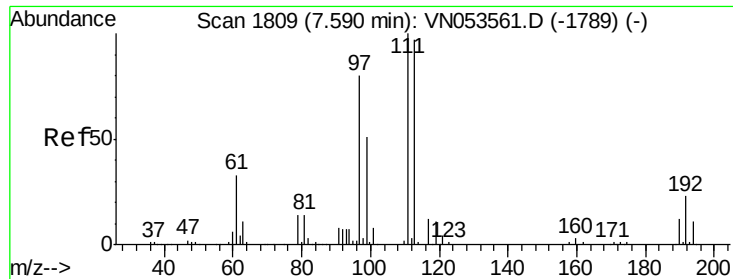
Tot Ion: 65 Resp: 368471
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion:114 Resp: 1125089
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.4 0.0 30.4

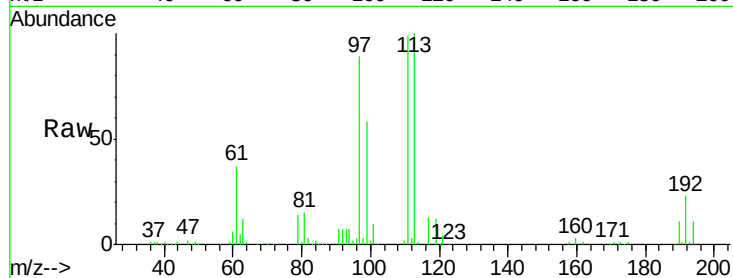




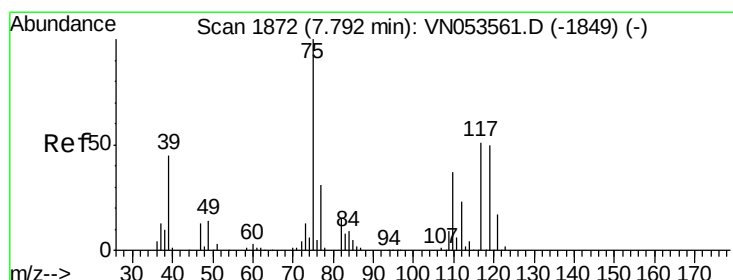
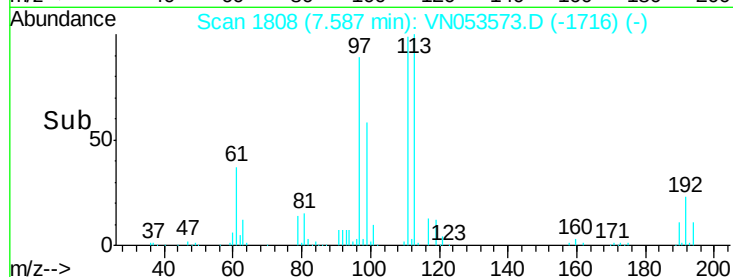
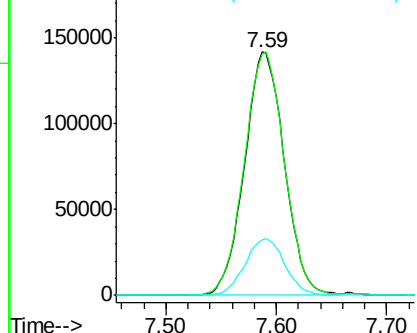
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:113 Resp: 354463
Ion Ratio Lower Upper
113 100
111 101.0 81.1 121.7
192 23.5 18.2 27.2

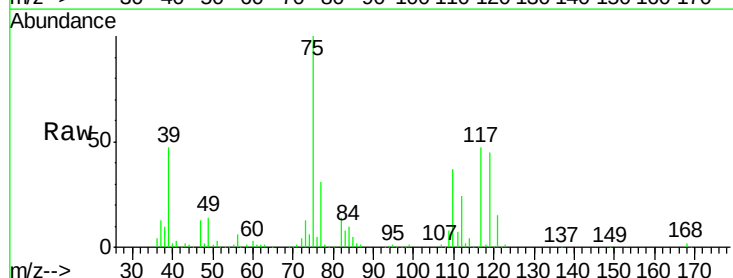


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

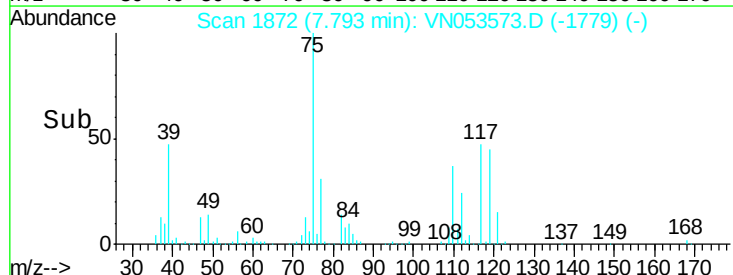
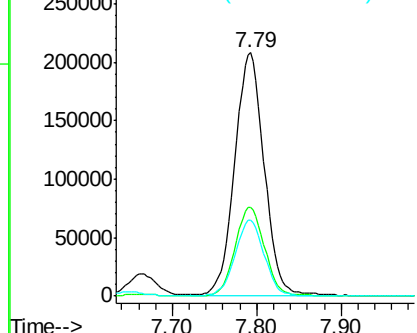


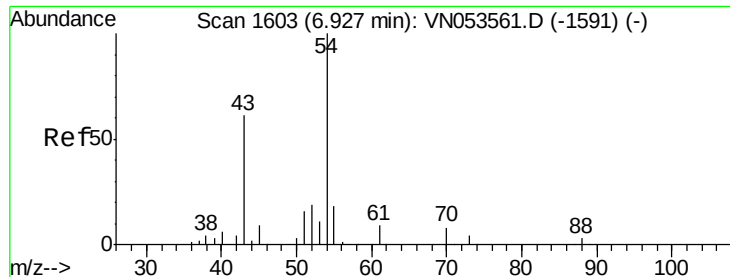
#36
1,1-Dichloropropene
Concen: 49.626 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 75 Resp: 503307
Ion Ratio Lower Upper
75 100
110 36.9 18.1 54.3
77 31.5 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

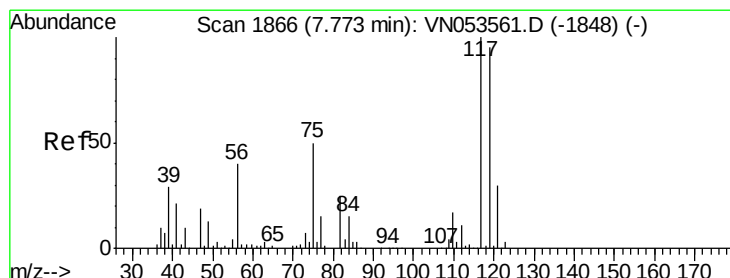
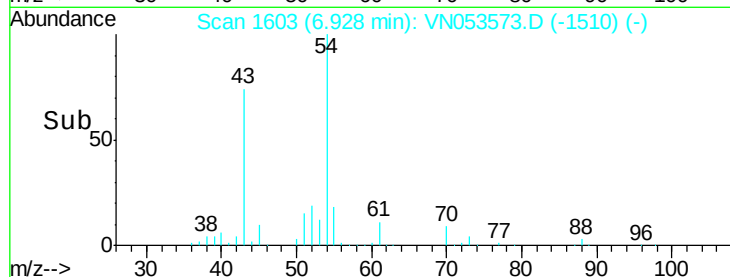
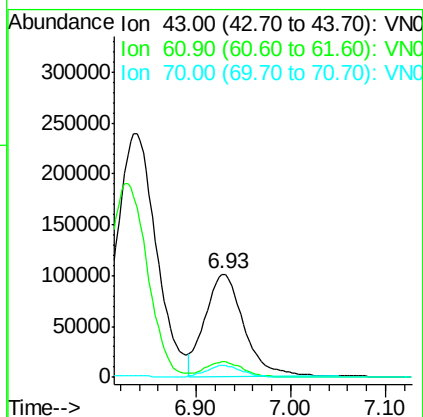
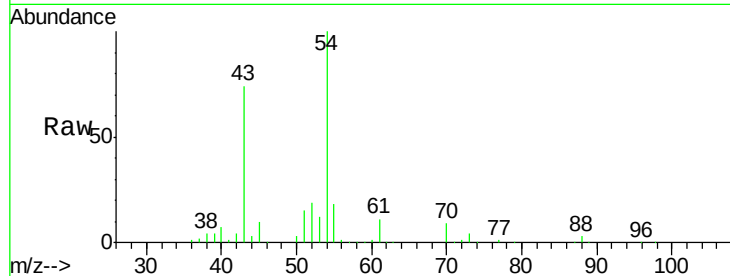




#37
Ethyl Acetate
Concen: 50.836 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

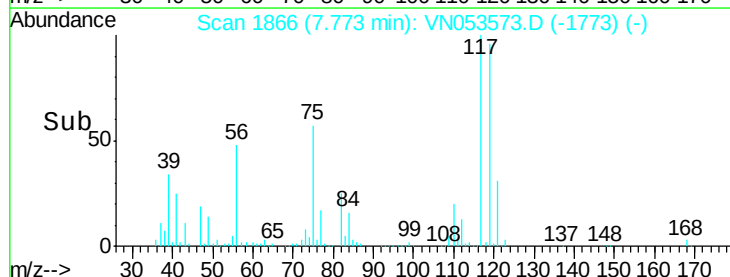
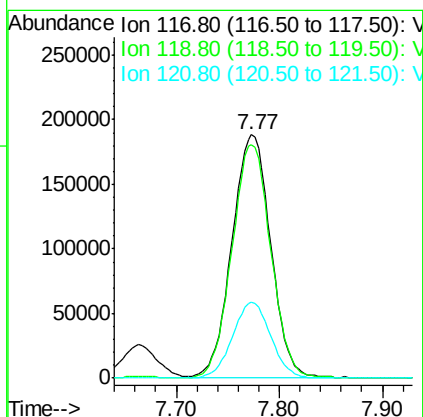
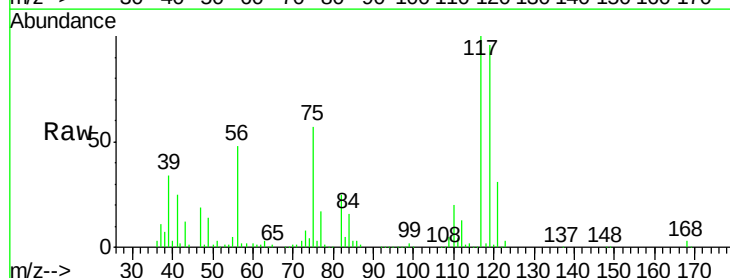
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

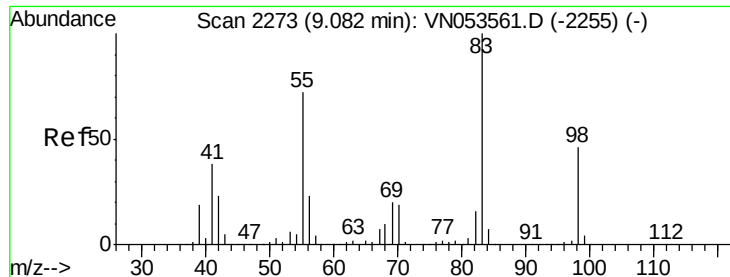
Tot Ion: 43 Resp: 287953
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.6
70 11.1 8.6 12.8



#38
Carbon Tetrachloride
Concen: 47.820 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 117 Resp: 488571
Ion Ratio Lower Upper
117 100
119 96.2 77.2 115.8
121 31.1 24.6 37.0

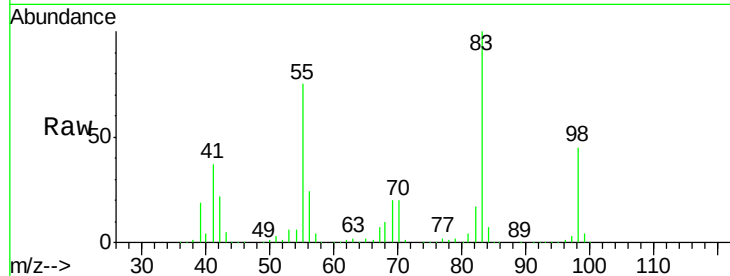




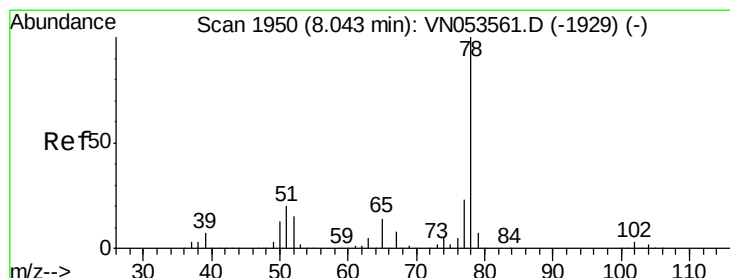
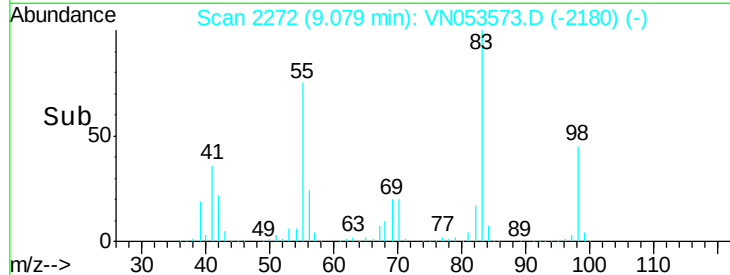
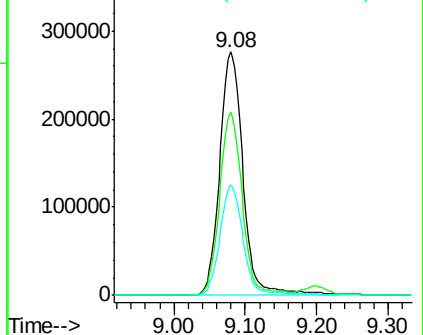
#39
Methylvlcyclohexane
Concen: 52.162 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 627637
Ion Ratio Lower Upper
83 100
55 75.1 60.1 90.1
98 45.4 36.6 55.0

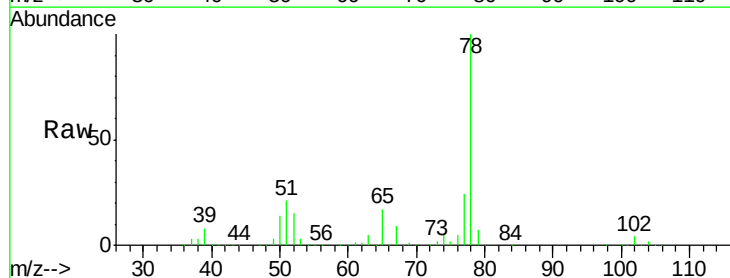


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

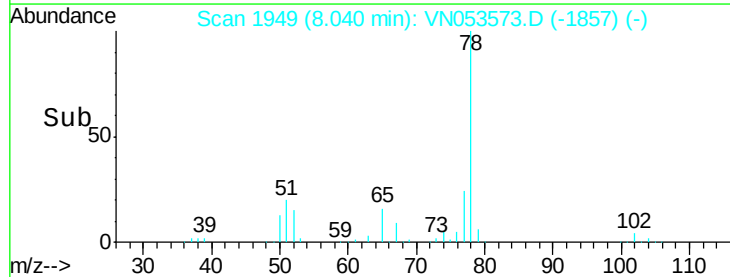
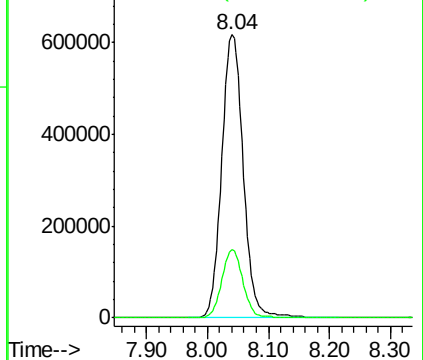


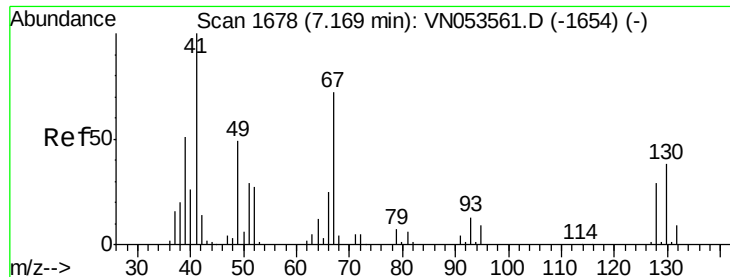
#40
Benzene
Concen: 48.307 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 78 Resp: 1510826
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

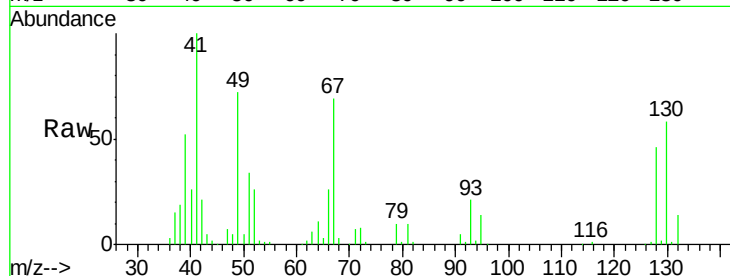




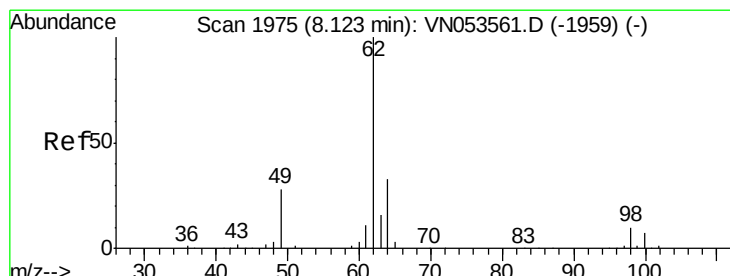
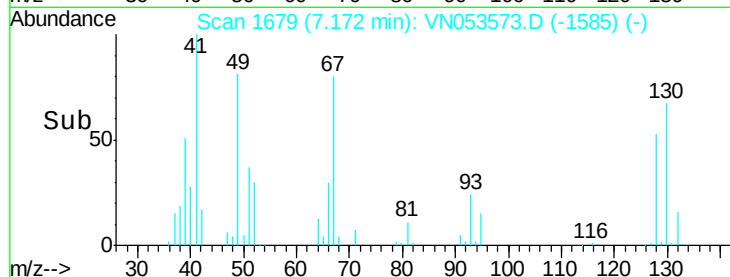
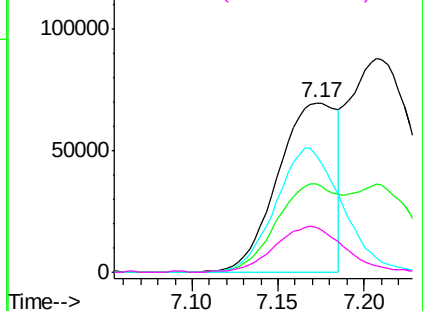
#41
Methacrylonitrile
Concen: 52.402 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 165892
Ion Ratio Lower Upper
41 100
39 55.6 46.8 70.2
67 83.7 63.0 94.6
52 31.5 23.8 35.8

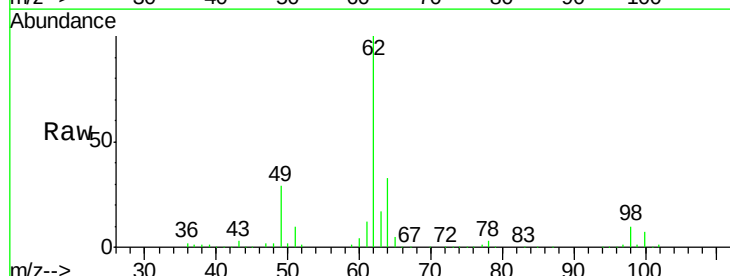


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

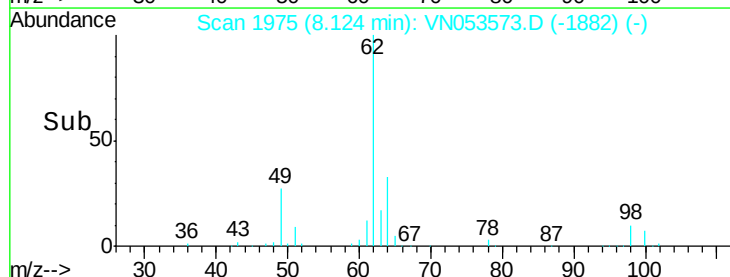
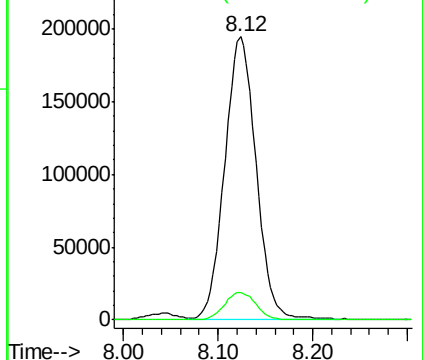


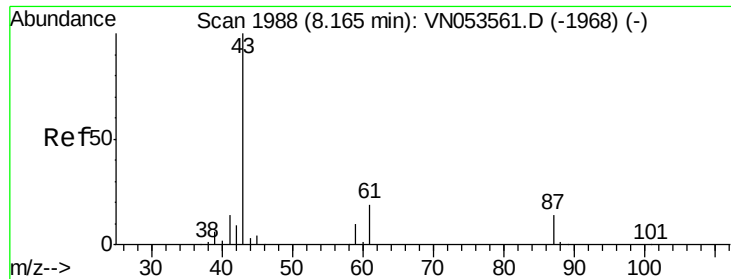
#42
1,2-Dichloroethane
Concen: 48.069 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 62 Resp: 446384
Ion Ratio Lower Upper
62 100
98 9.9 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: 46.407 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

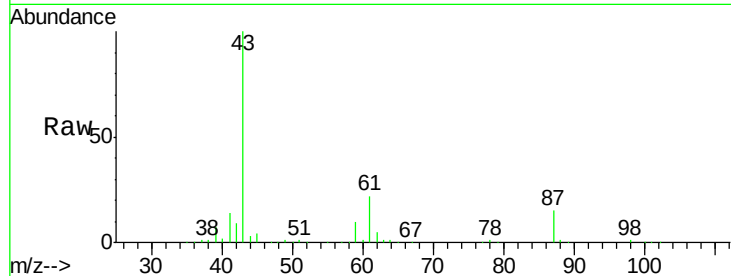
Tot Ion: 43 Resp: 507653

Ion Ratio Lower Upper

43 100

61 20.8 23.9 35.9#

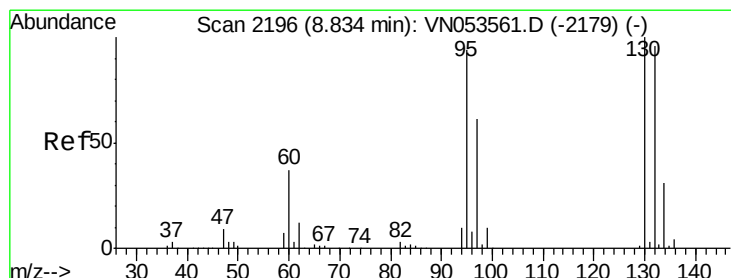
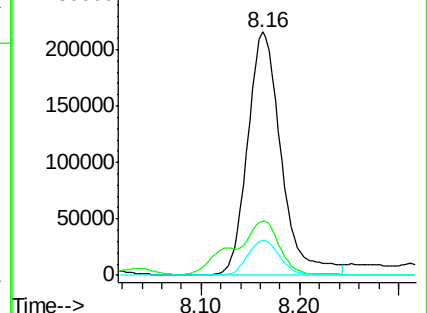
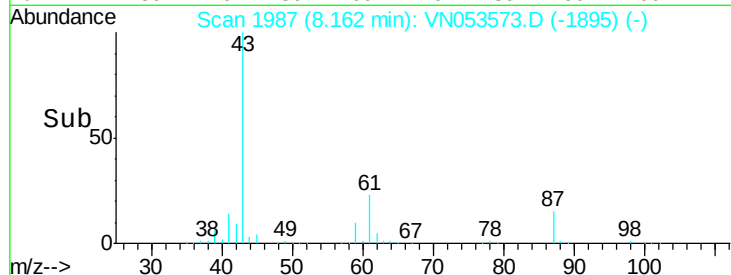
87 14.0 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN053561.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN053561.D (-1968) (-)



#44

Trichloroethene

Concen: 48.386 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053573.D

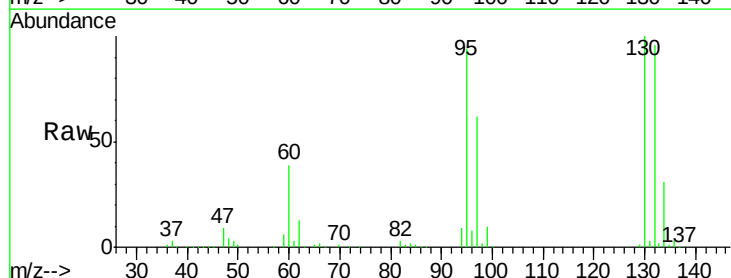
Acq: 1 Feb 2019 13:27

Tgt Ion:130 Resp: 430821

Ion Ratio Lower Upper

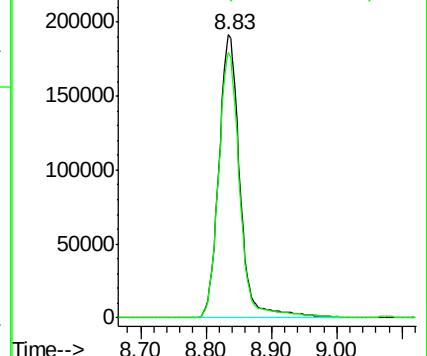
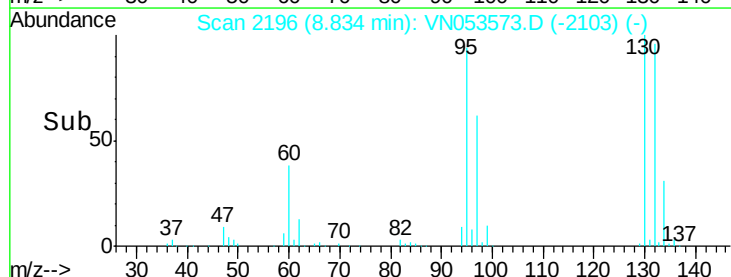
130 100

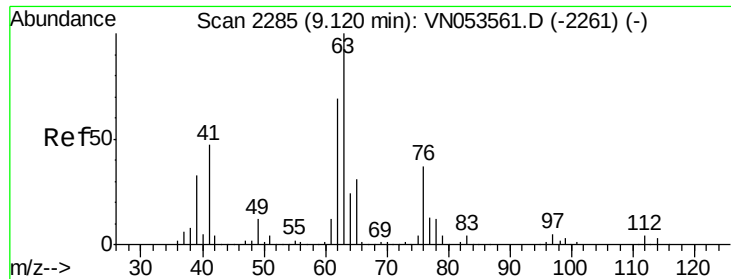
95 93.8 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053561.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053561.D (-2179) (-)

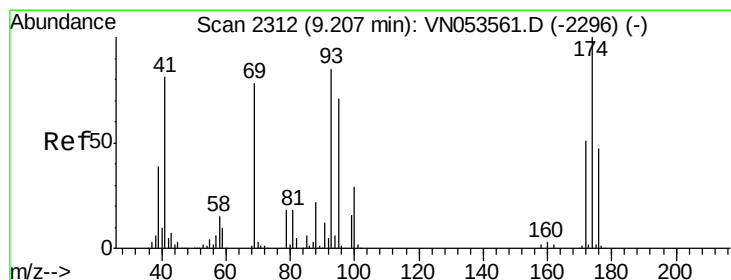
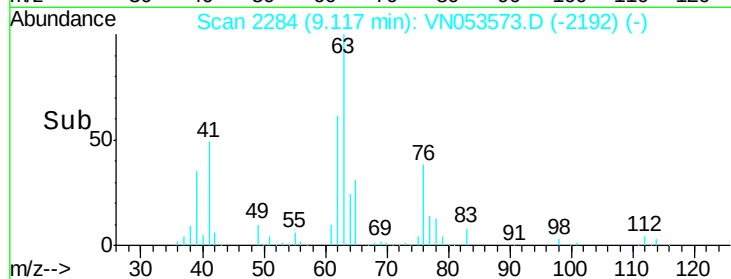
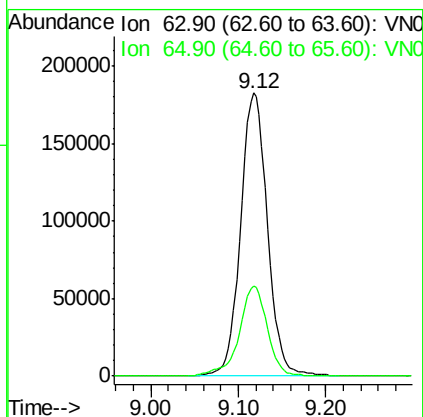
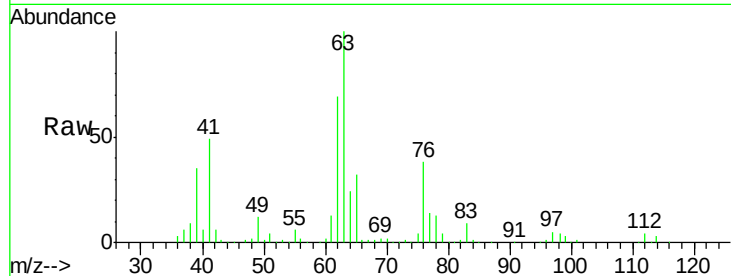




#45
 1,2-Dichloropropane
 Concen: 48.699 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

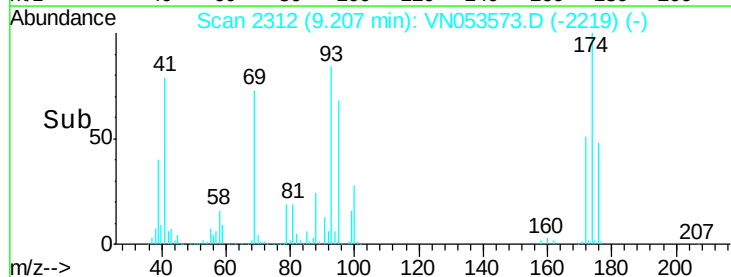
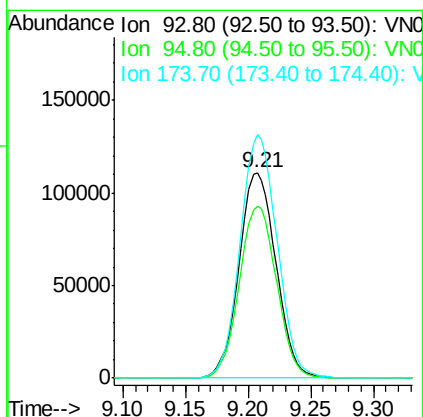
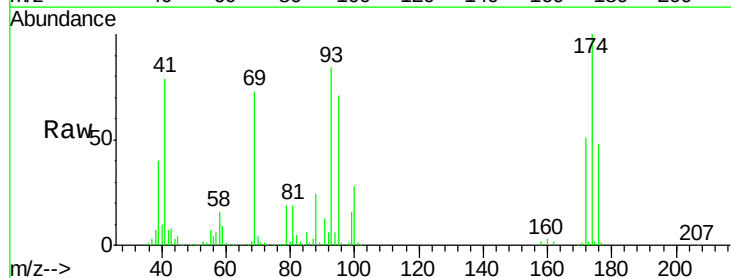
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

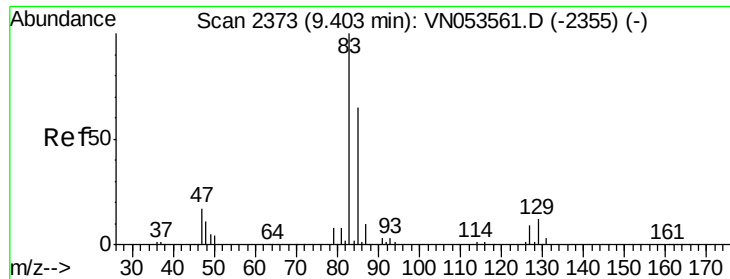
Tot Ion: 63 Resp: 389560
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.4



#46
 Dibromomethane
 Concen: 47.159 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion: 93 Resp: 227408
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.3 100.9
 174 118.6 91.0 136.4

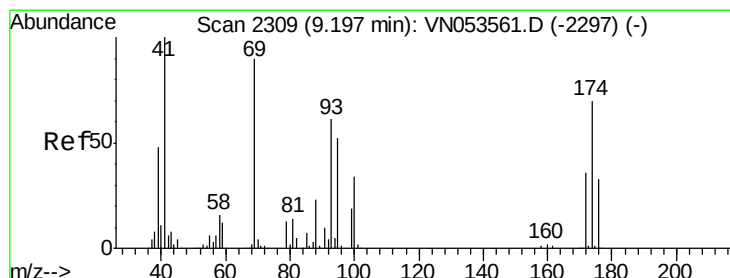
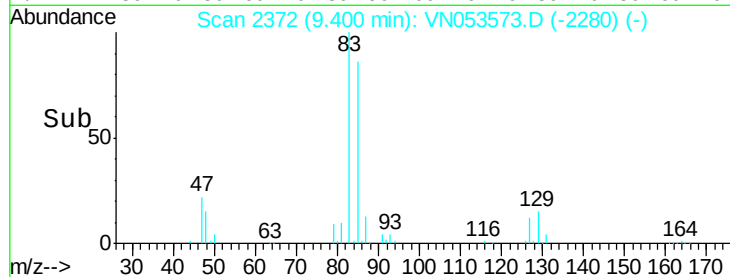
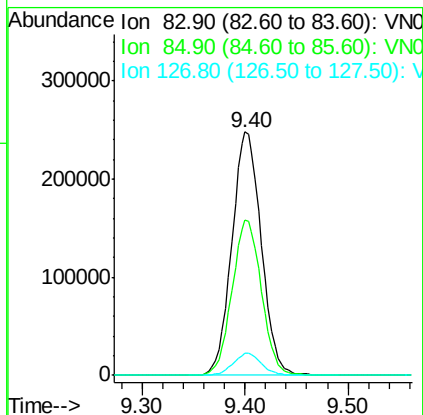
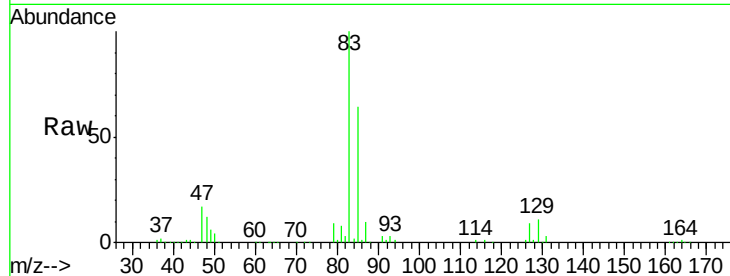




#47
Bromodichloromethane
Concen: 49.042 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

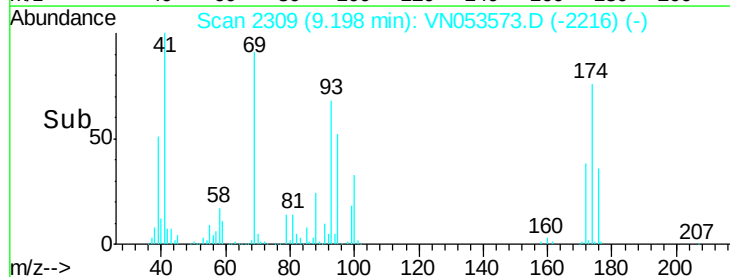
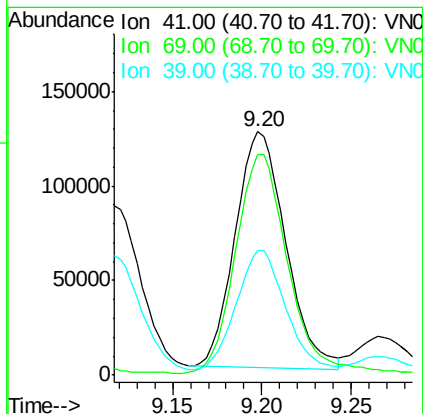
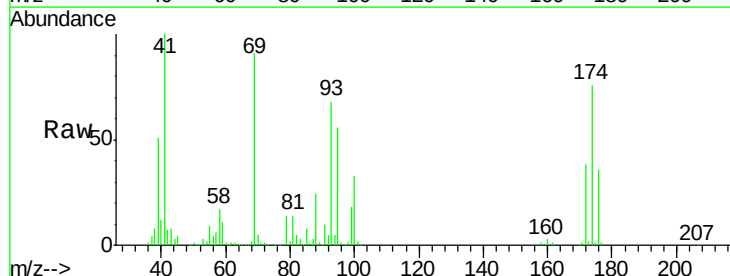
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

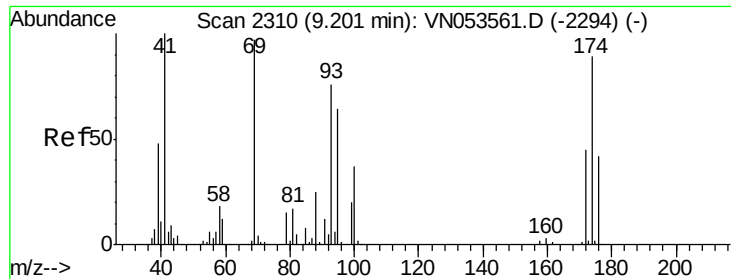
Tot Ion: 83 Resp: 491703
Ion Ratio Lower Upper
83 100
85 63.9 51.0 76.6
127 8.9 7.0 10.6



#48
Methyl methacrylate
Concen: 47.389 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 41 Resp: 247450
Ion Ratio Lower Upper
41 100
69 98.1 73.8 110.6
39 53.8 40.0 60.0

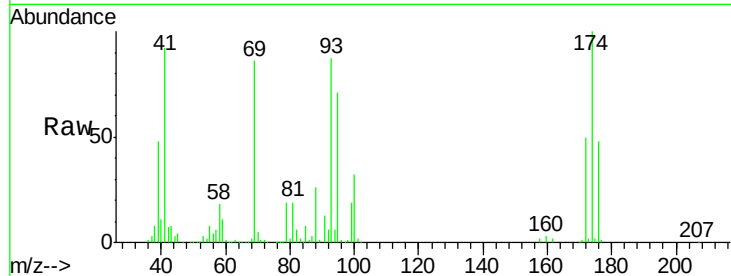




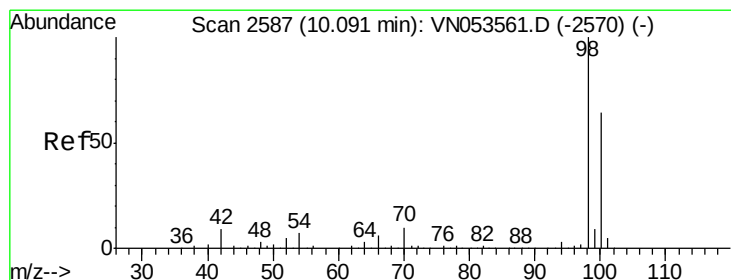
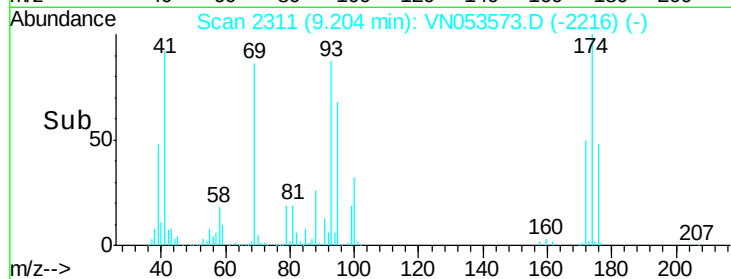
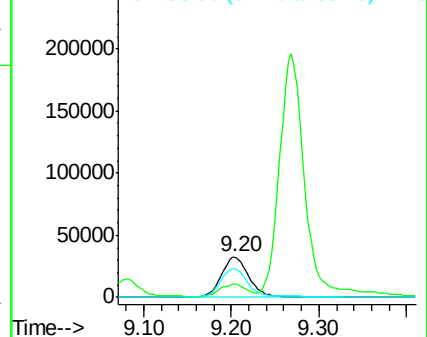
#49
1,4-Dioxane
Concen: 947.537 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 71531
Ion Ratio Lower Upper
88 100
43 30.1 27.8 41.6
58 70.3 56.5 84.7

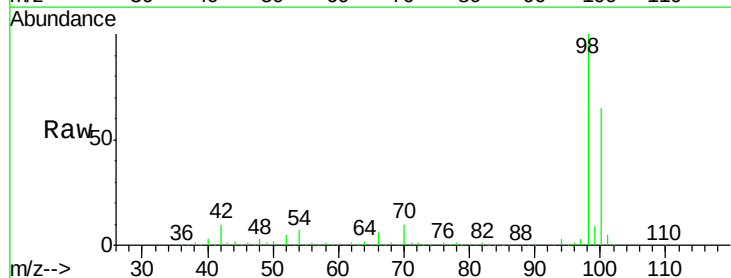


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

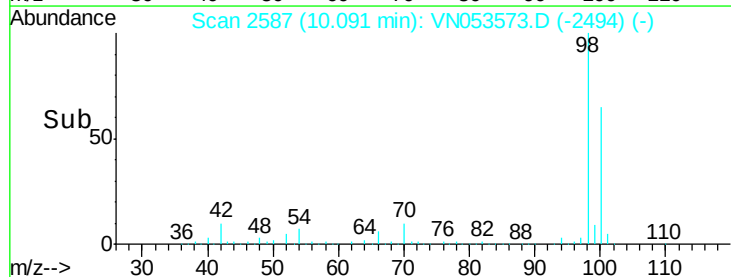
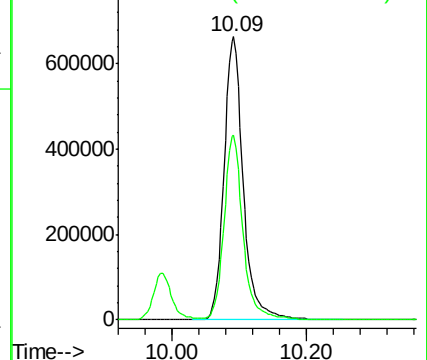


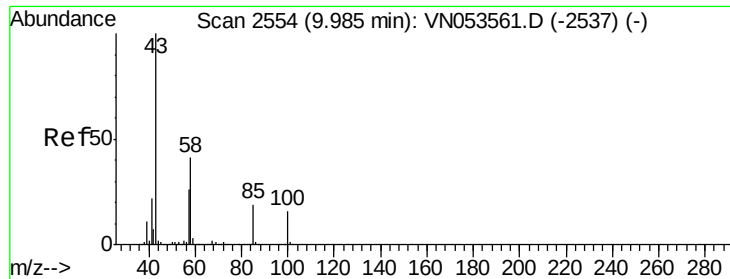
#50
Toluene-d8
Concen: 947.537 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 98 Resp: 1325621
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

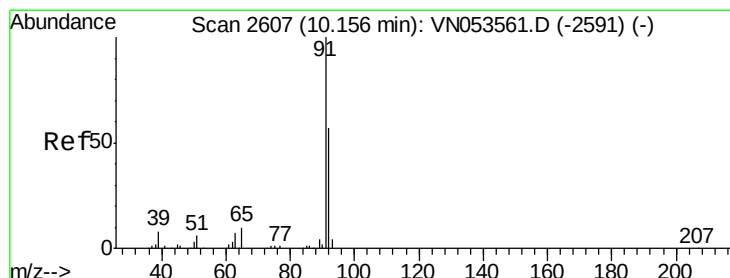
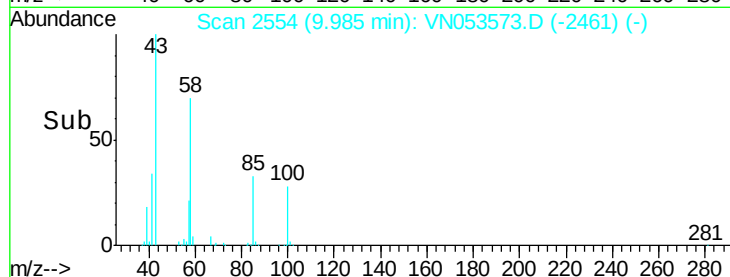
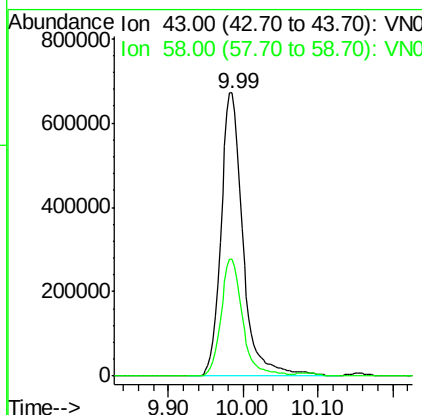
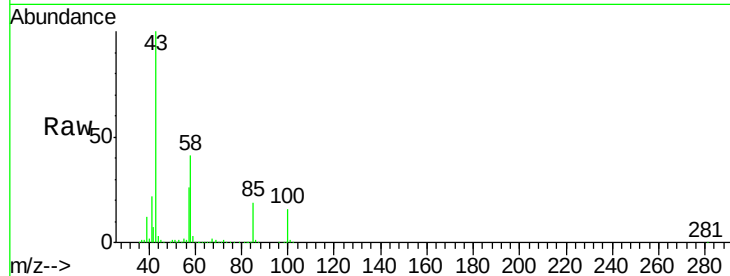




#51
 4-Methyl-2-Pentanone
 Concen: 252.966 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

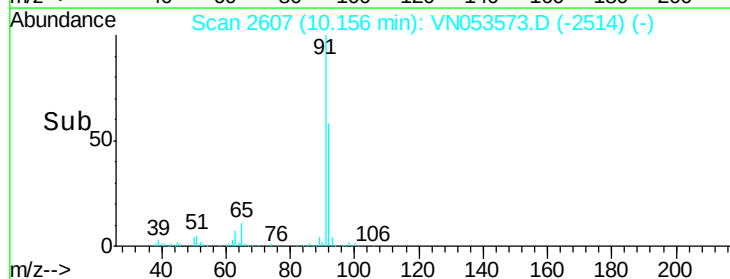
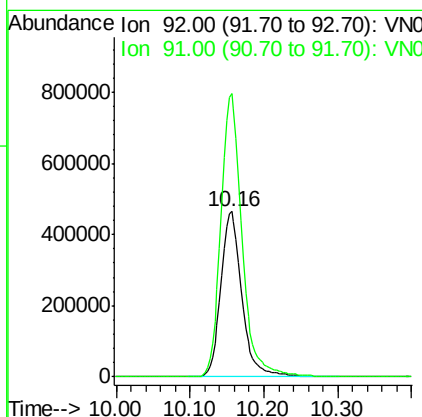
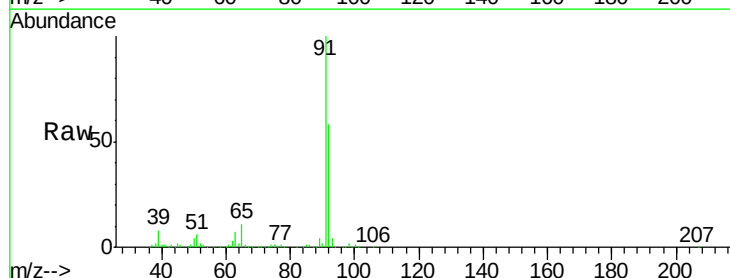
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

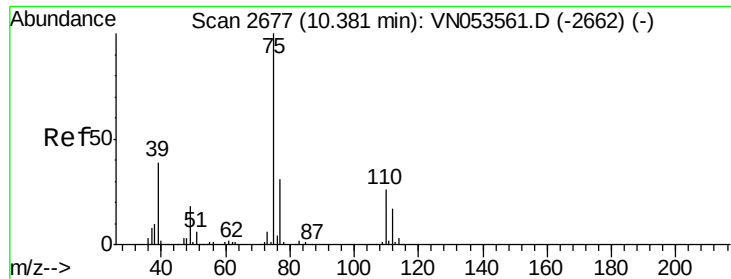
Tot Ion: 43 Resp: 1359809
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.8 49.2



#52
 Toluene
 Concen: 49.678 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion: 92 Resp: 922099
 Ion Ratio Lower Upper
 92 100
 91 172.5 139.9 209.9

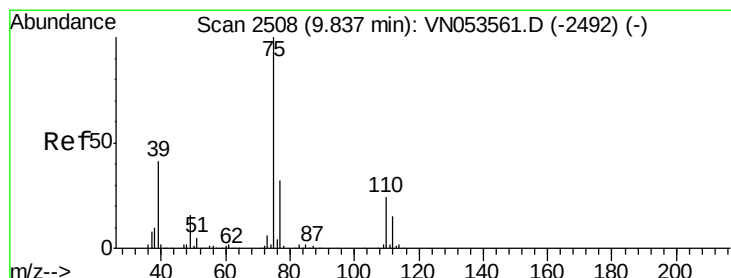
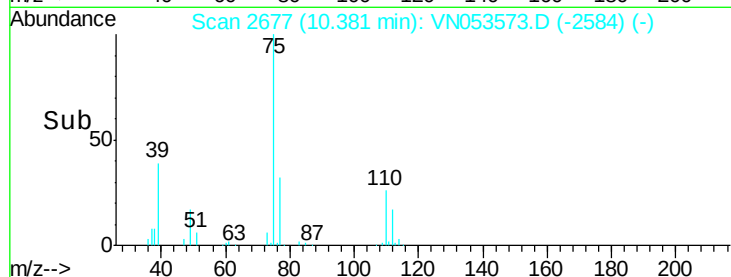
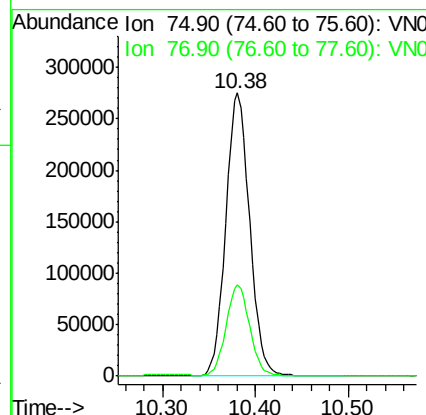
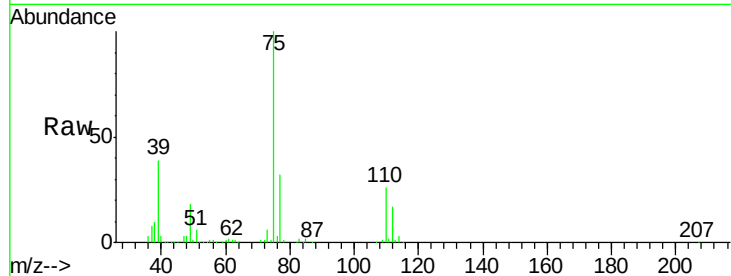




#53
t-1,3-Dichloropropene
Concen: 48.846 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

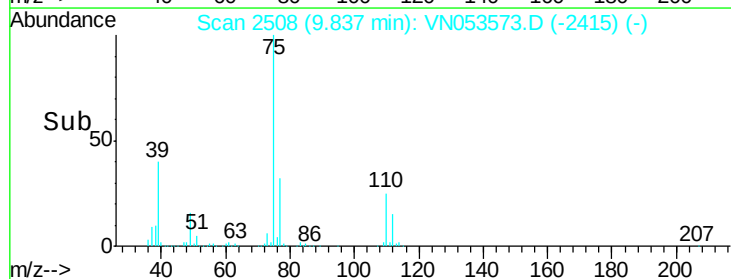
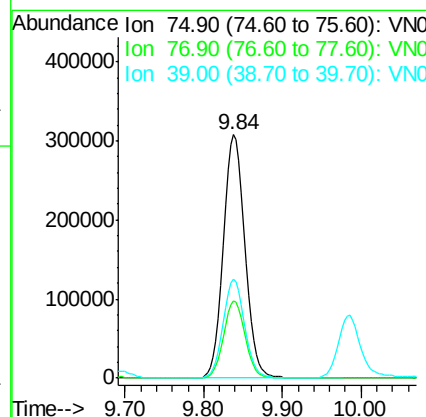
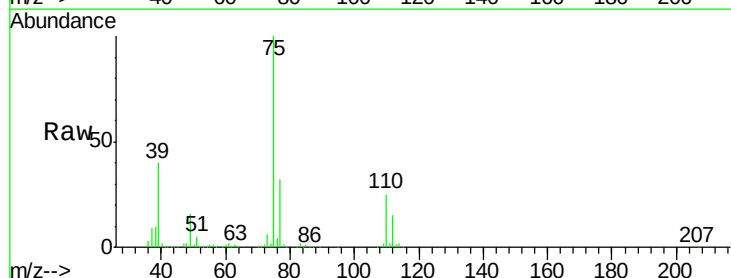
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

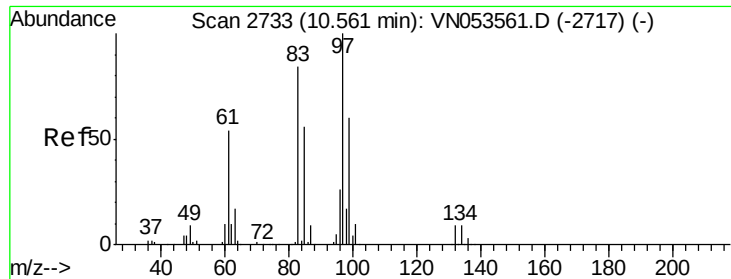
Tot Ion: 75 Resp: 490405
Ion Ratio Lower Upper
75 100
77 32.1 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 48.930 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 75 Resp: 582119
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.6
39 40.5 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 49.028 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 327925

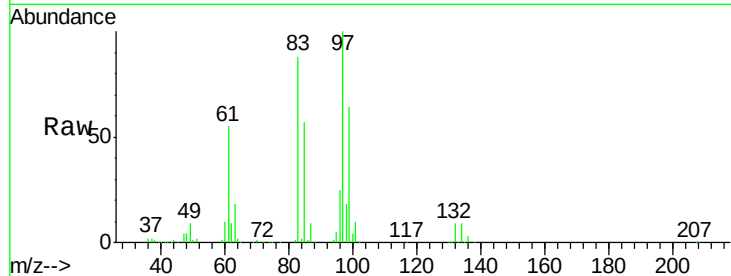
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.1	105.1
85	56.8	45.4	68.0
99	64.0	49.8	74.8

97 100

83 87.6 70.1 105.1

85 56.8 45.4 68.0

99 64.0 49.8 74.8



Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.56

250000

200000

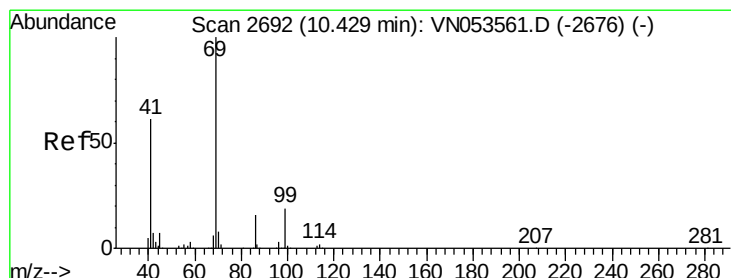
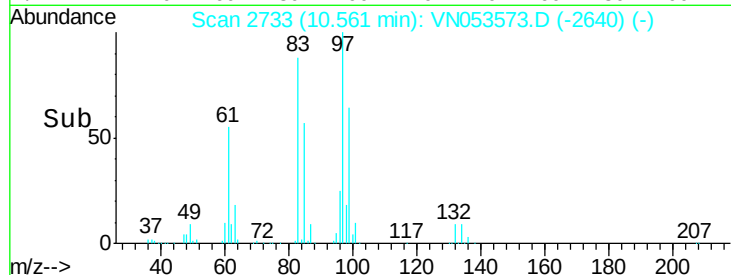
150000

100000

50000

0

Time-->



#56

Ethyl methacrylate

Concen: 50.359 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

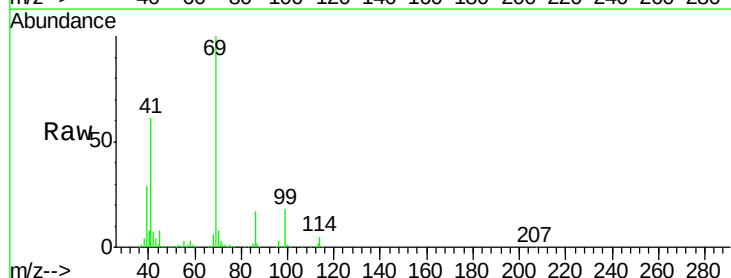
Tgt Ion: 69 Resp: 398464

Ion	Ratio	Lower	Upper
69	100		
41	60.3	49.4	74.0
39	28.9	23.3	34.9

69 100

41 60.3 49.4 74.0

39 28.9 23.3 34.9



Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.43

300000

250000

200000

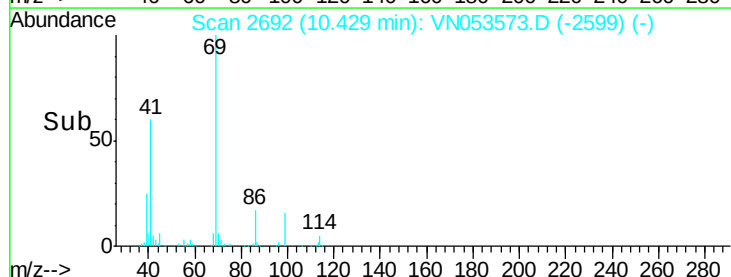
150000

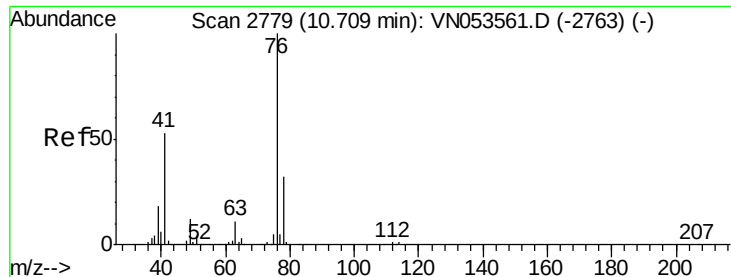
100000

50000

0

Time-->

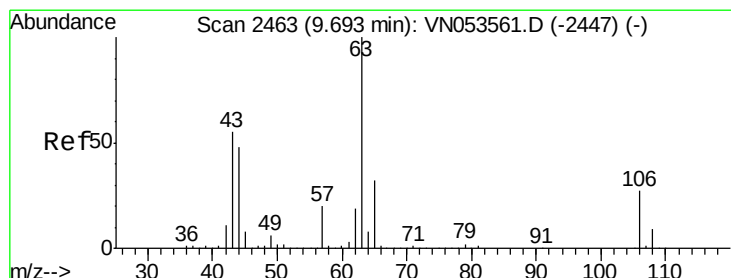
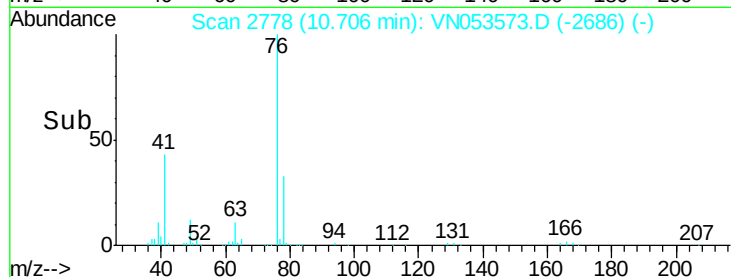
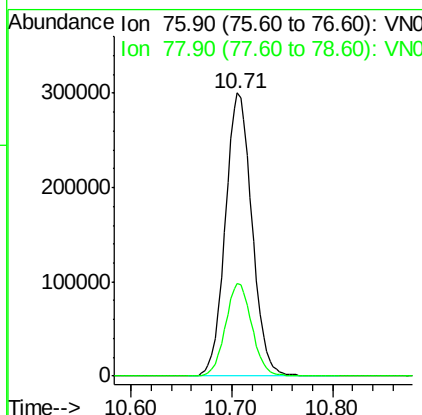
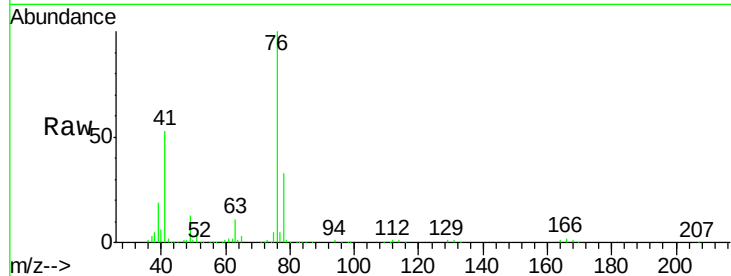




#57
 1,3-Dichloropropane
 Concen: 48.564 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

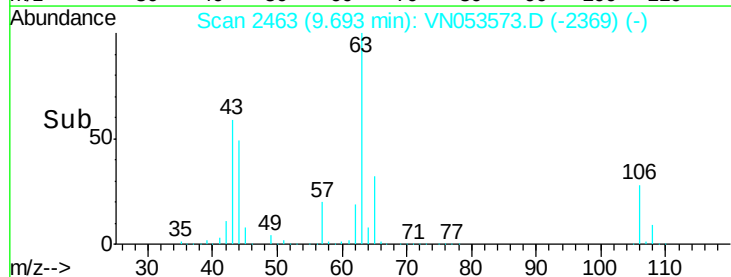
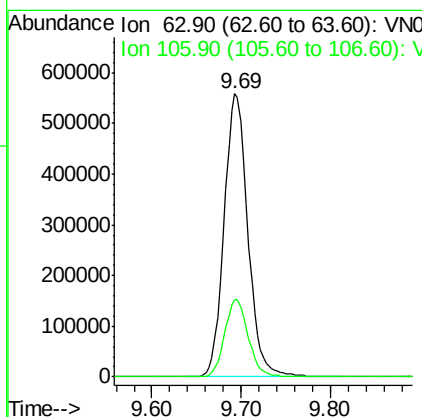
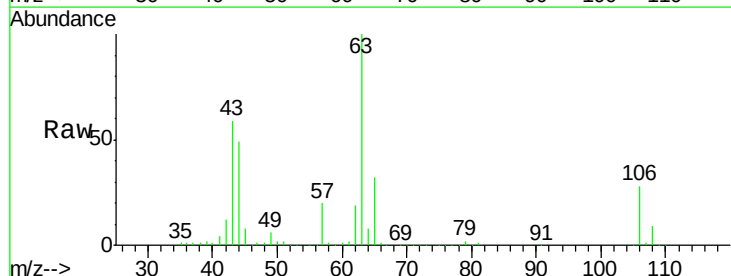
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

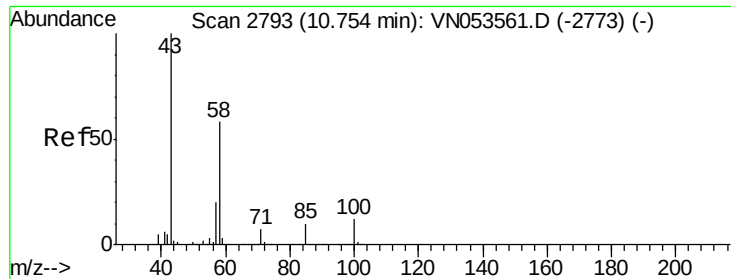
Tot Ion: 76 Resp: 555141
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 211.374 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion: 63 Resp: 1030972
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.5 32.3

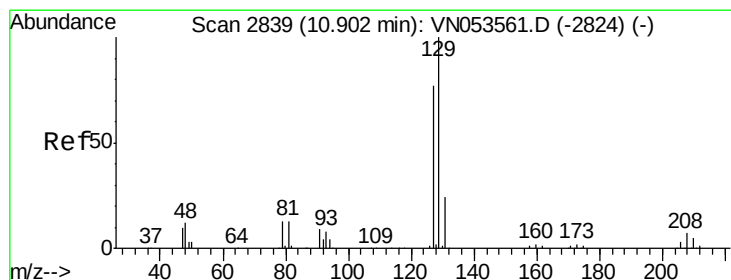
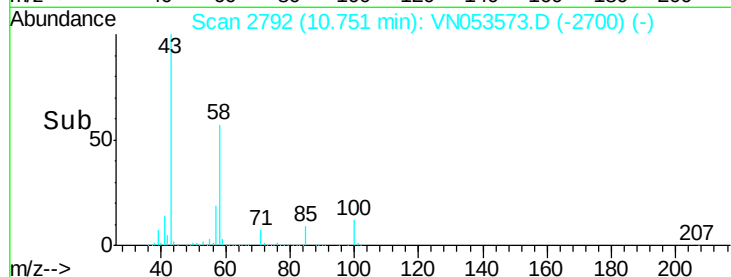
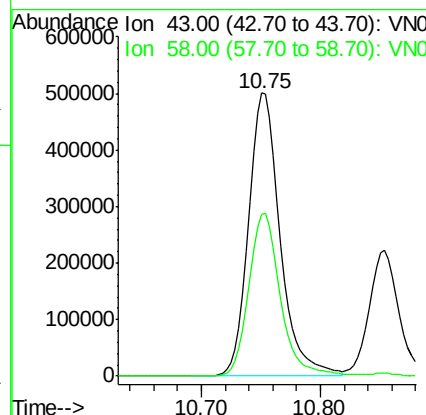
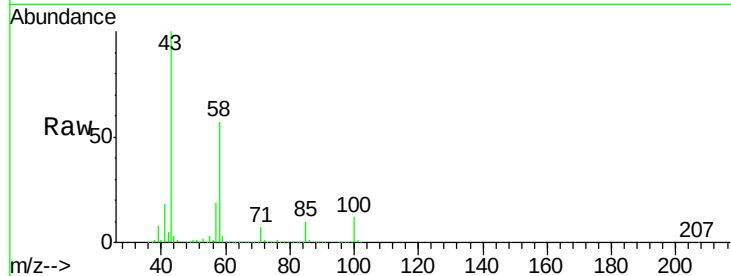




#59
2-Hexanone
Concen: 251.747 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

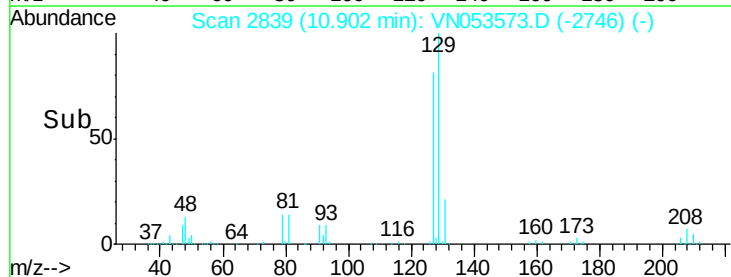
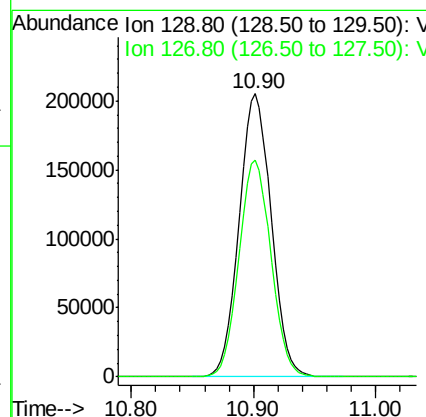
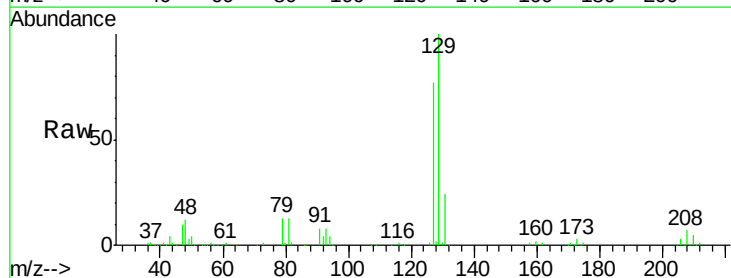
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

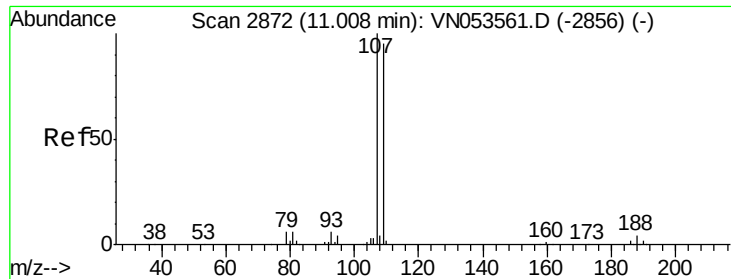
Tot Ion: 43 Resp: 918687
Ion Ratio Lower Upper
43 100
58 57.7 28.6 85.8



#60
Dibromochloromethane
Concen: 49.520 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 129 Resp: 373508
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8

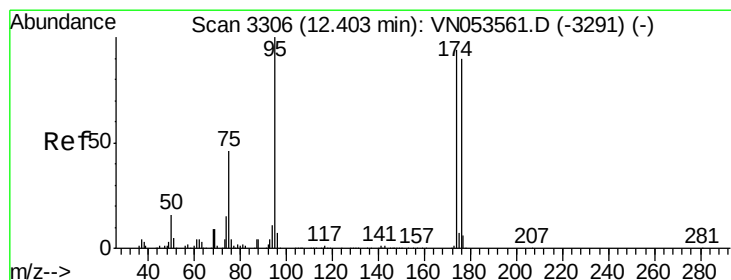
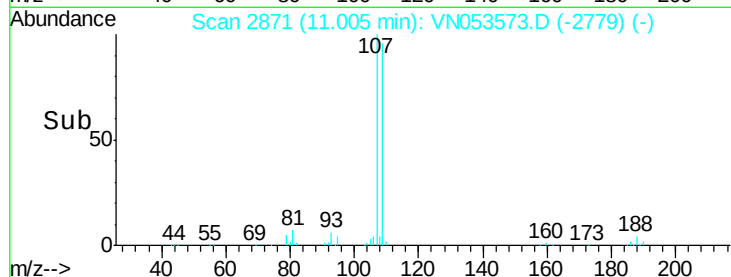
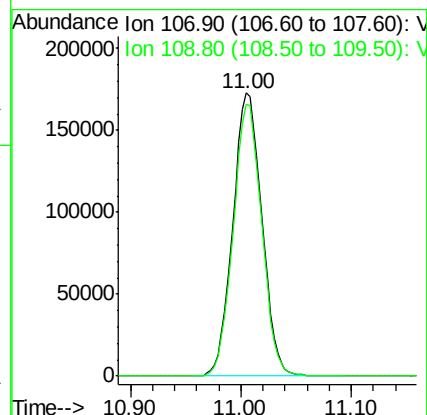
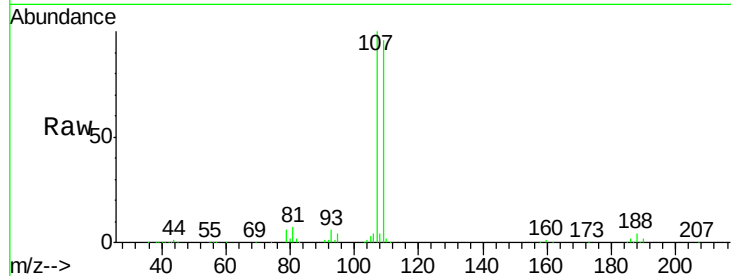




#61
 1,2-Dibromoethane
 Concen: 47.673 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

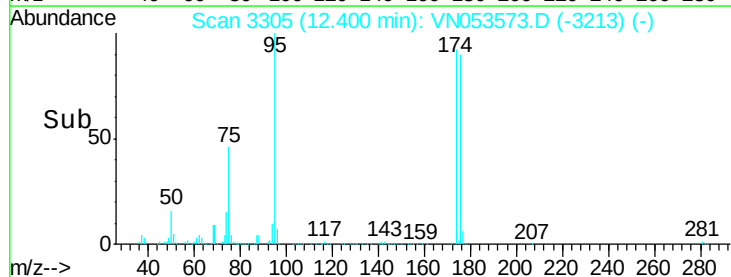
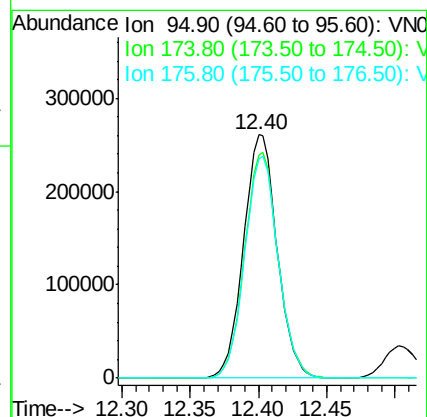
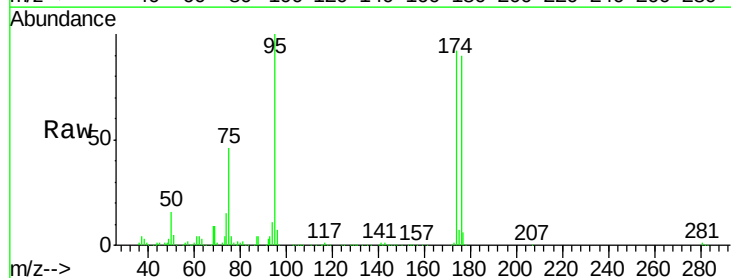
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

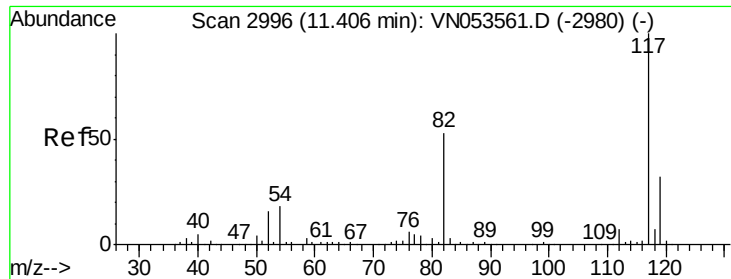
Tot Ion: 107 Resp: 315601
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 47.673 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion: 95 Resp: 445235
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 183.2
 176 91.0 0.0 177.4

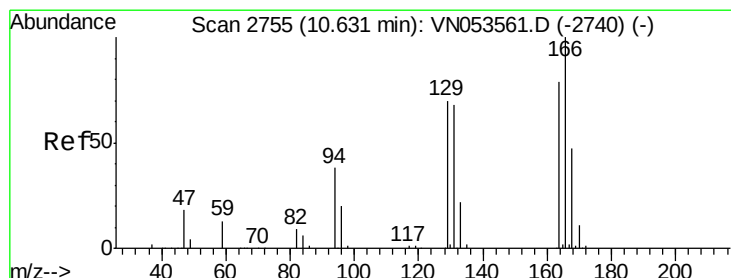
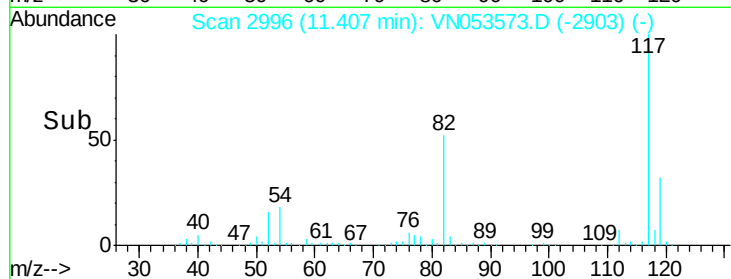
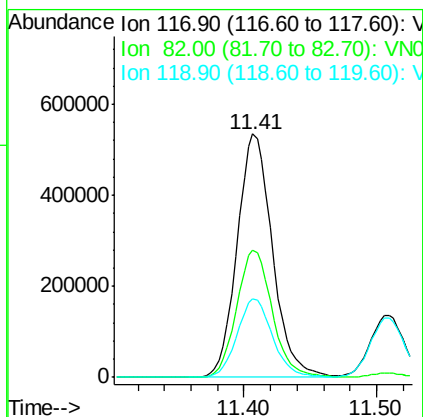
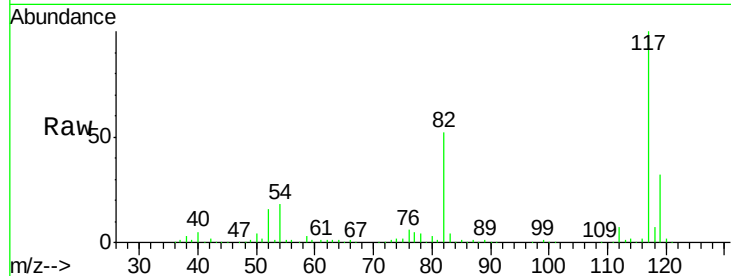




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

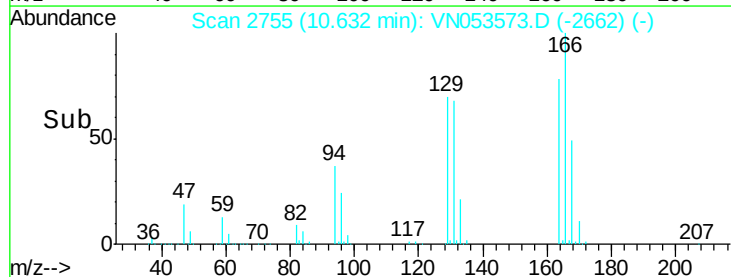
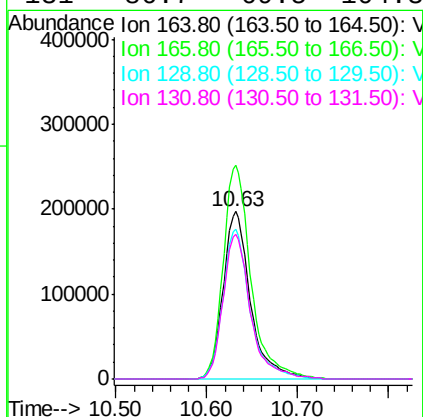
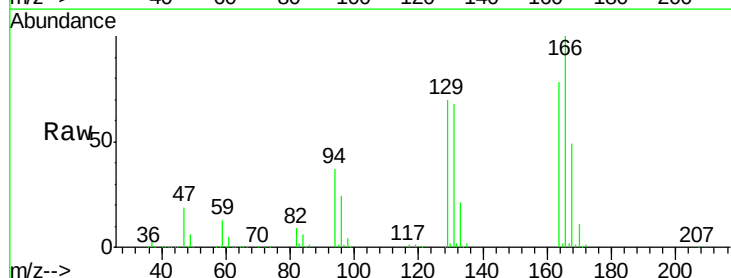
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

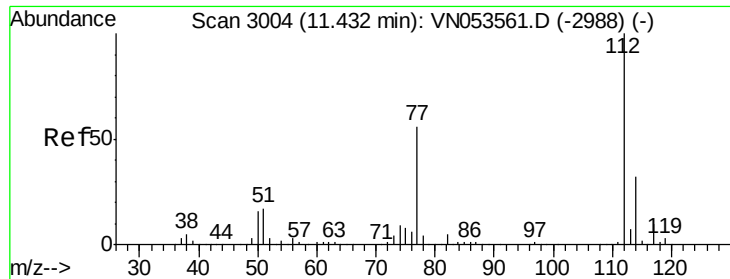
Tot Ion:117 Resp: 990551
Ion Ratio Lower Upper
117 100
82 52.4 42.9 64.3
119 32.4 26.0 39.0



#64
Tetrachloroethene
Concen: 48.535 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion:164 Resp: 412123
Ion Ratio Lower Upper
164 100
166 127.6 102.2 153.4
129 89.6 72.6 109.0
131 86.7 69.5 104.3

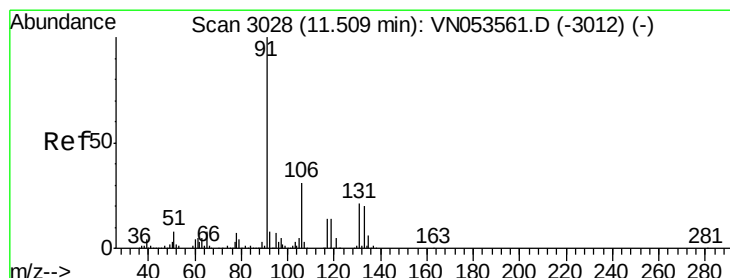
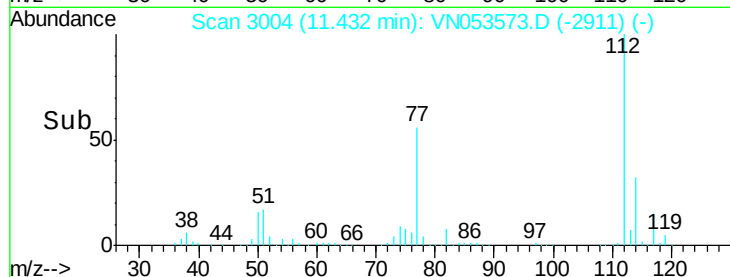
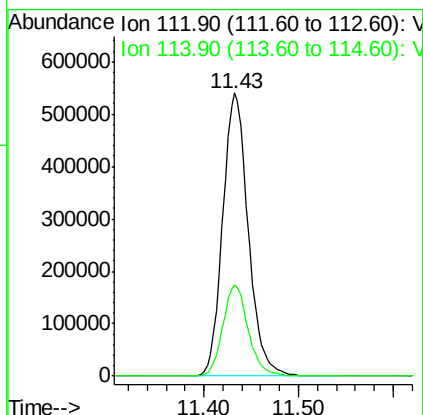
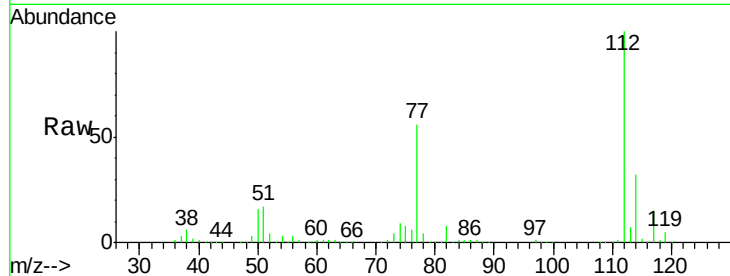




#65
Chlorobenzene
Concen: 48.075 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

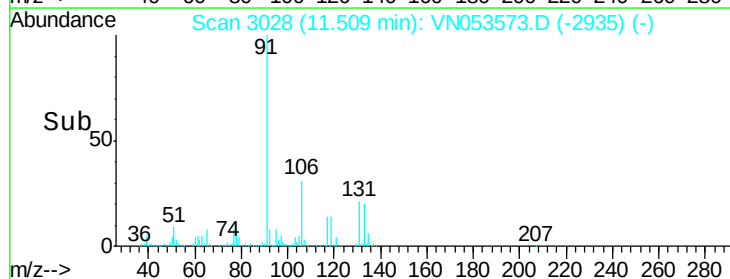
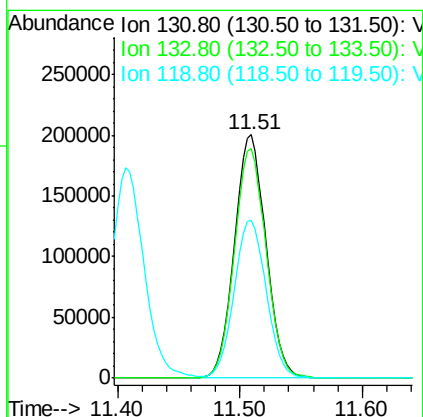
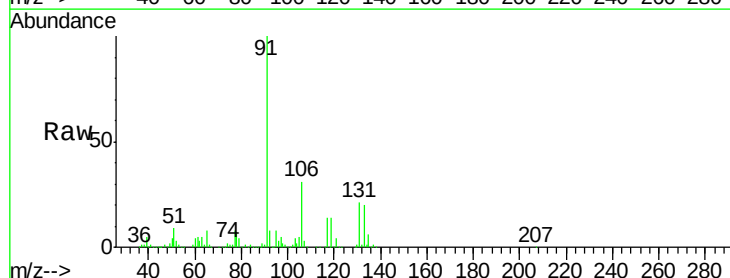
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

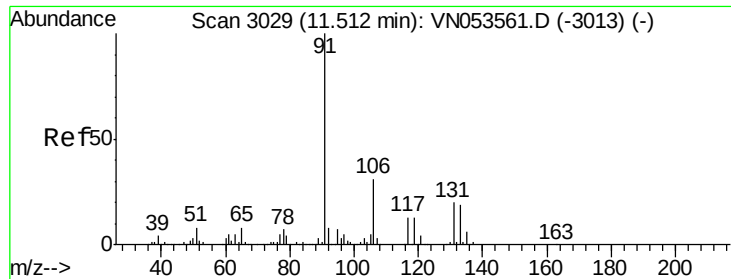
Tot Ion:112 Resp: 1011507
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.693 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion:131 Resp: 357802
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 66.3 33.5 100.5

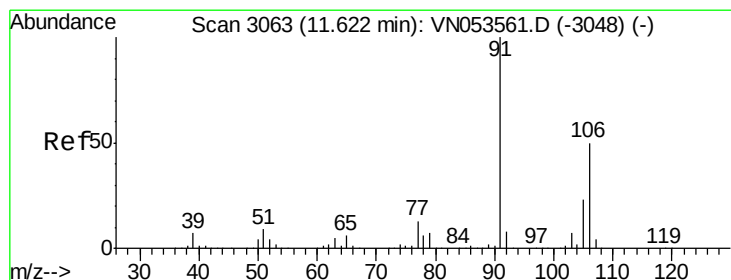
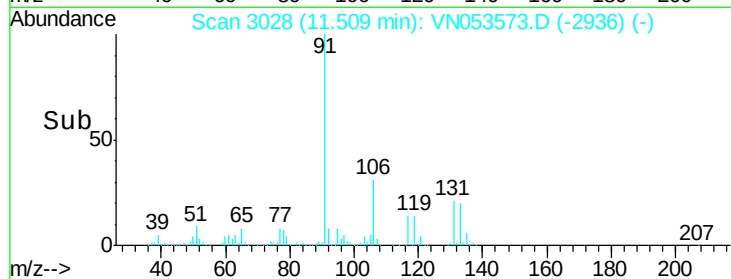
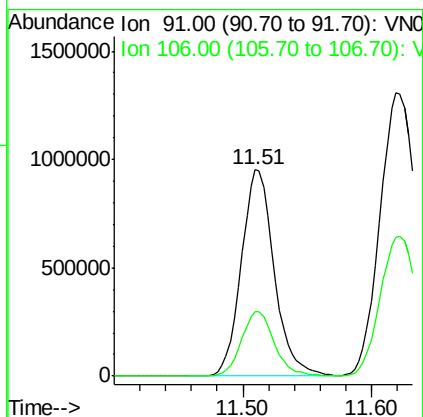
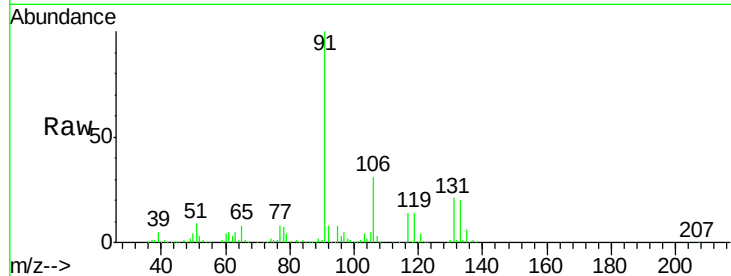




#67
Ethyl Benzene
Concen: 49.036 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

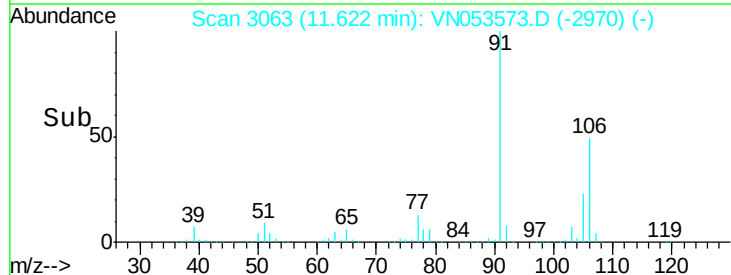
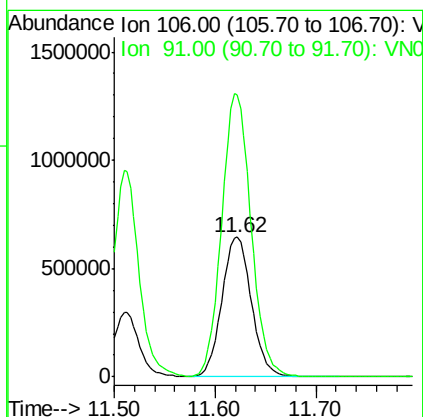
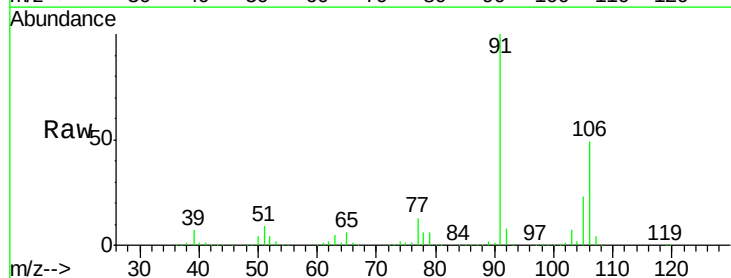
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

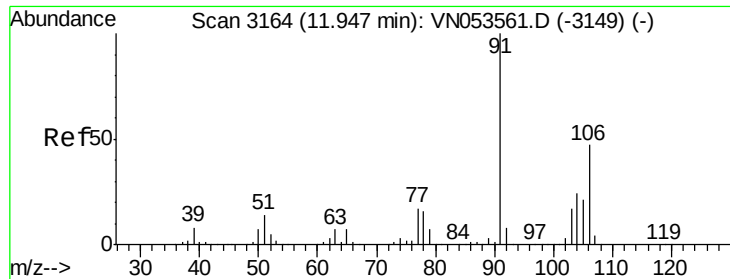
Tot Ion: 91 Resp: 1694833
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6



#68
m/p-Xylenes
Concen: 99.936 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion: 106 Resp: 1318290
Ion Ratio Lower Upper
106 100
91 201.5 161.4 242.2

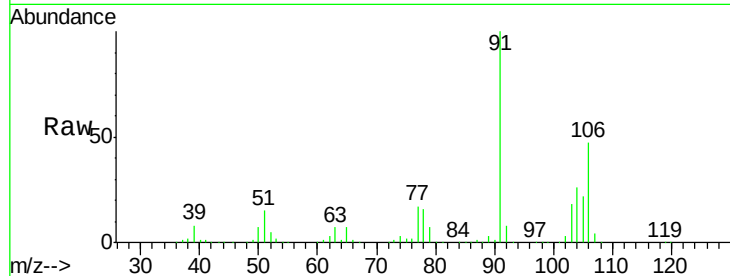




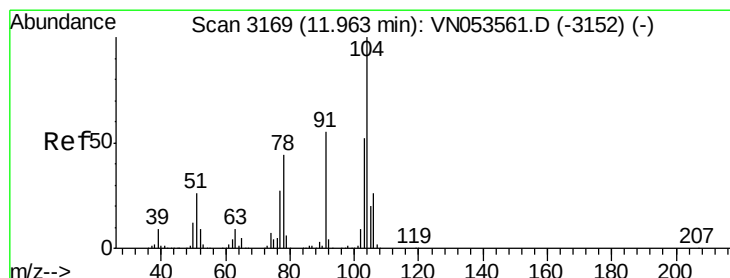
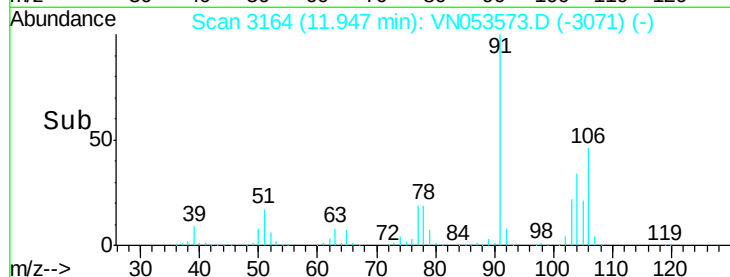
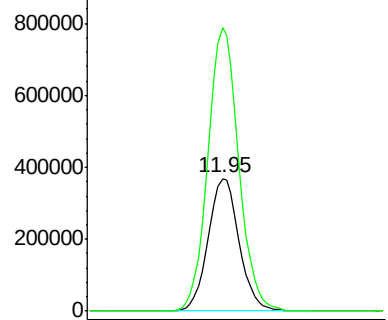
#69
o-Xylene
Concen: 49.453 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 630233
Ion Ratio Lower Upper
106 100
91 213.2 106.9 320.8

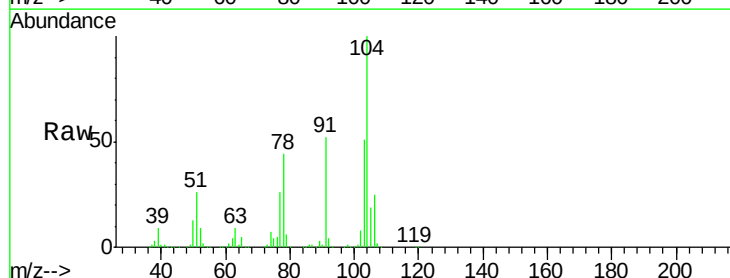


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

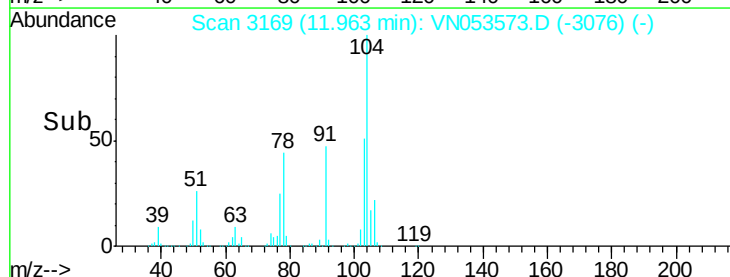
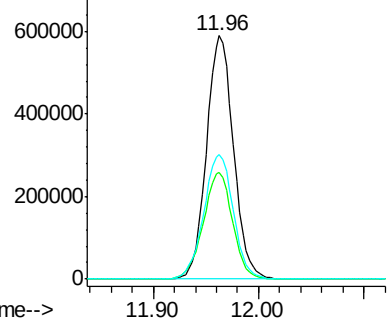


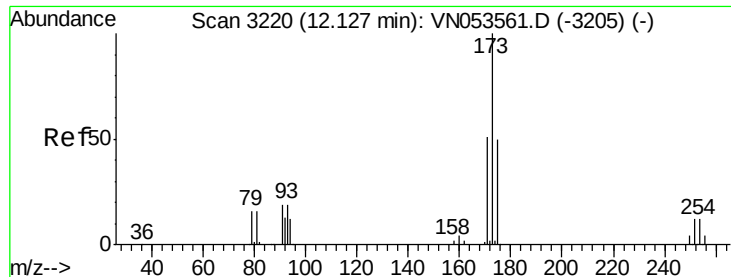
#70
Styrene
Concen: 50.473 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053573.D
Acq: 1 Feb 2019 13:27

Tgt Ion:104 Resp: 1042564
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.9 44.4 66.6



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





#71

Bromoform

Concen: 50.158 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

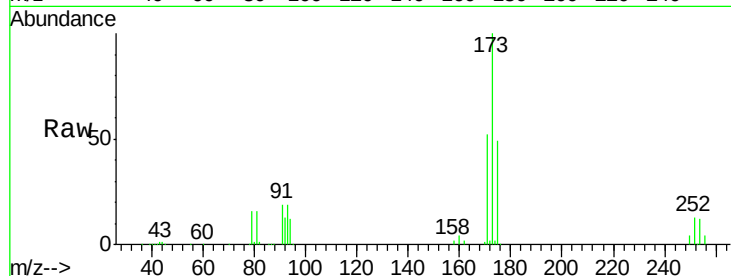
Tot Ion:173 Resp: 252679

Ion Ratio Lower Upper

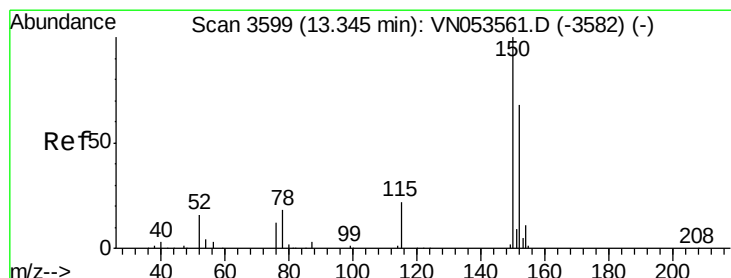
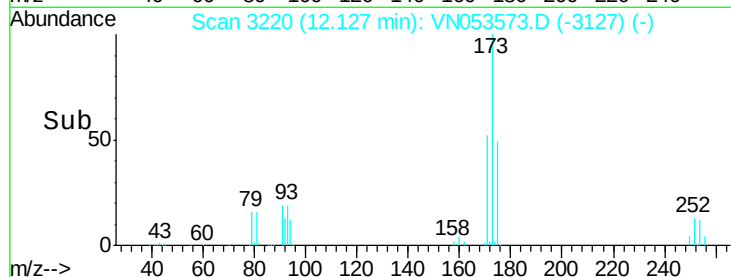
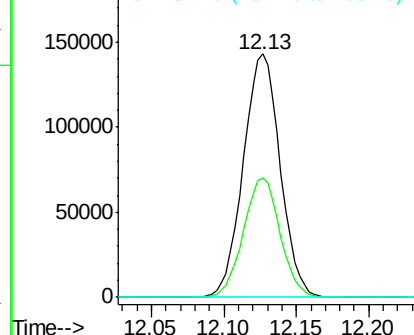
173 100

175 48.8 24.6 74.0

254 0.0 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: VN053573.D

Acq: 1 Feb 2019 13:27

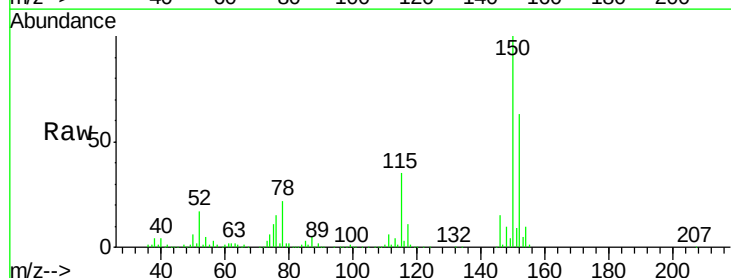
Tgt Ion:152 Resp: 486012

Ion Ratio Lower Upper

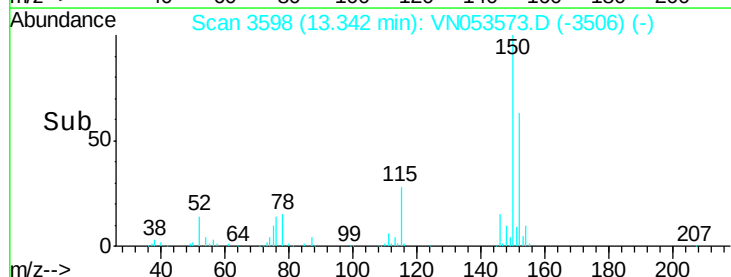
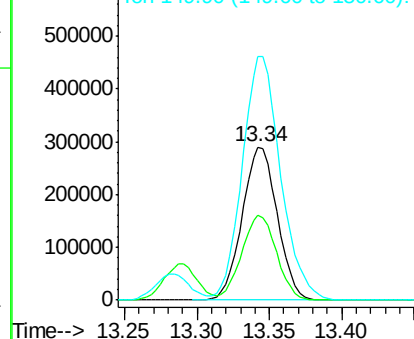
152 100

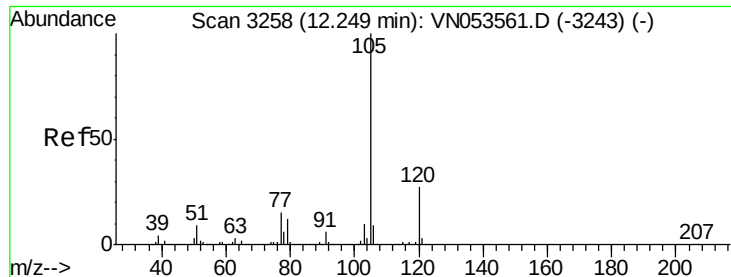
115 55.1 27.8 83.4

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: 48.145 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

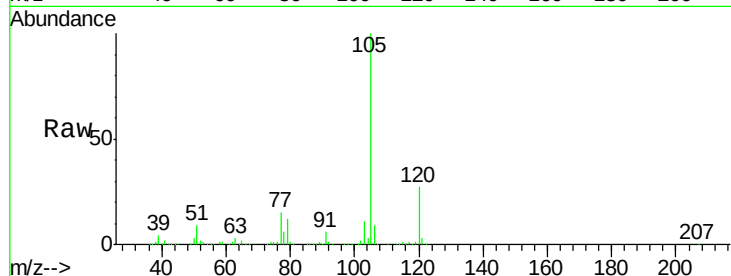
VSTDCCC050

Tot Ion:105 Resp: 1644906

Ion Ratio Lower Upper

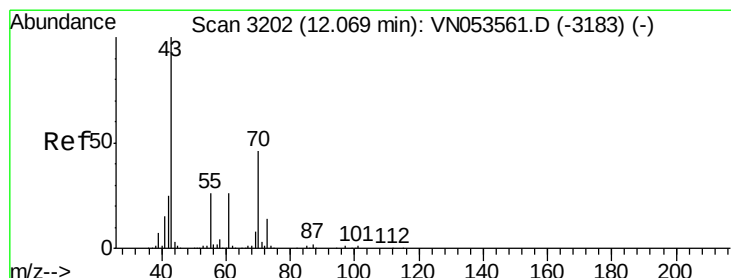
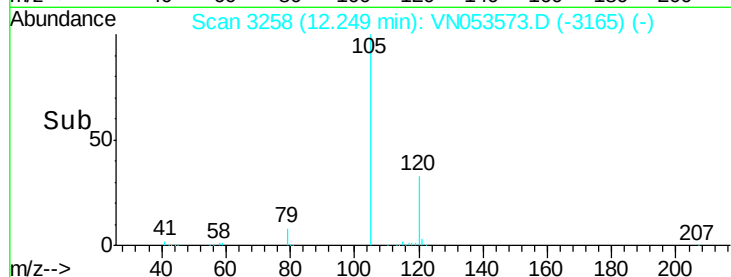
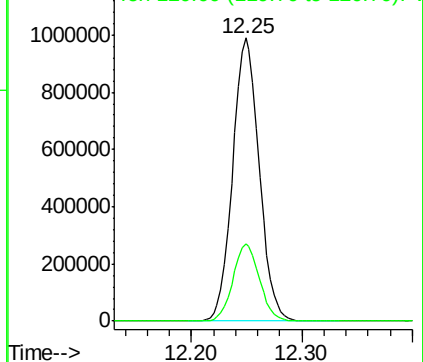
105 100

120 27.3 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: 46.591 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Tgt Ion: 43 Resp: 382781

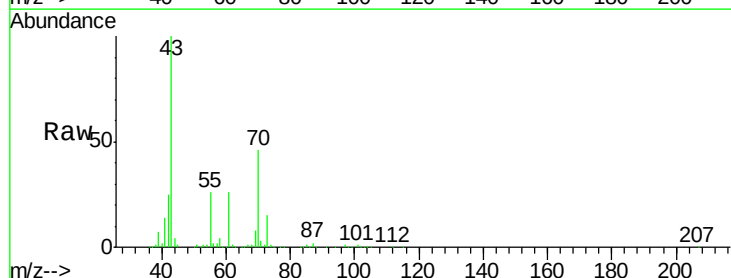
Ion Ratio Lower Upper

43 100

70 45.0 35.4 53.2

55 26.5 20.9 31.3

61 25.3 20.5 30.7

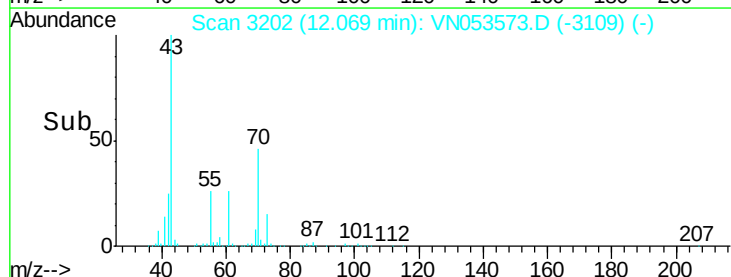
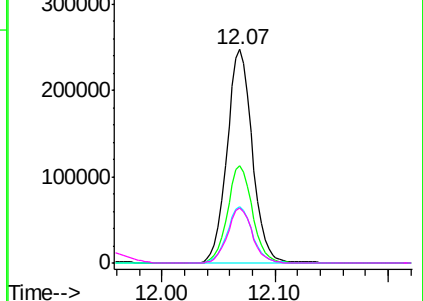


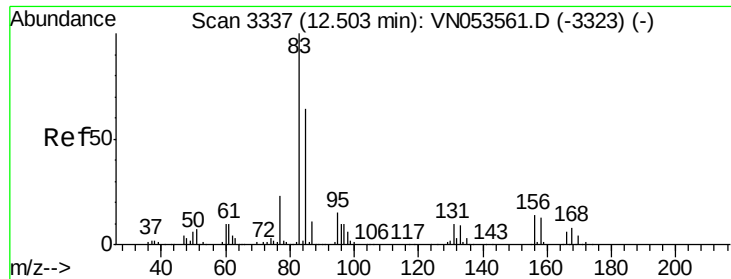
Abundance Ion 43.00 (42.70 to 43.70): V

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: 45.655 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

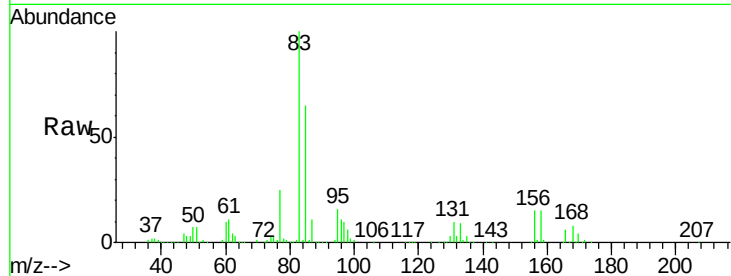
Tot Ion: 83 Resp: 373314

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

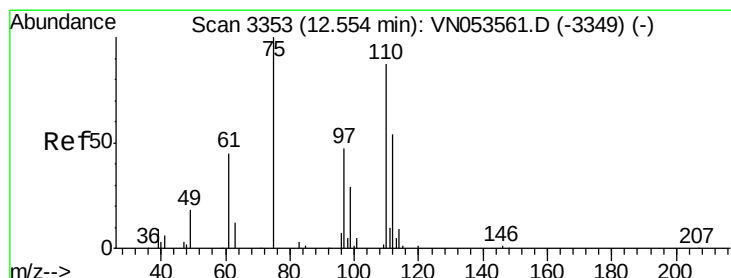
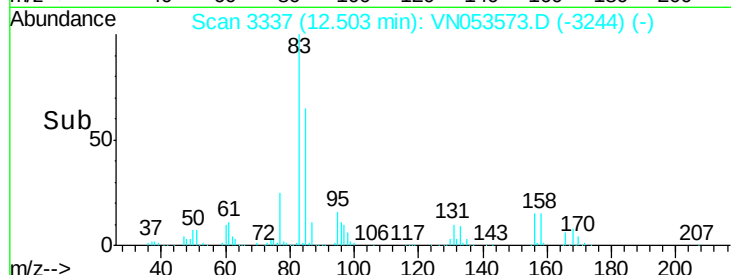
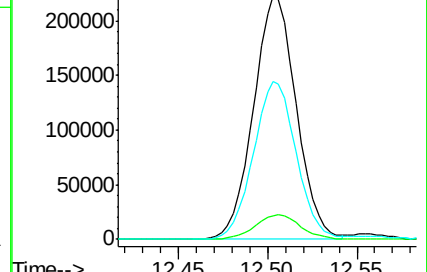
85 65.1 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 74.814 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053573.D

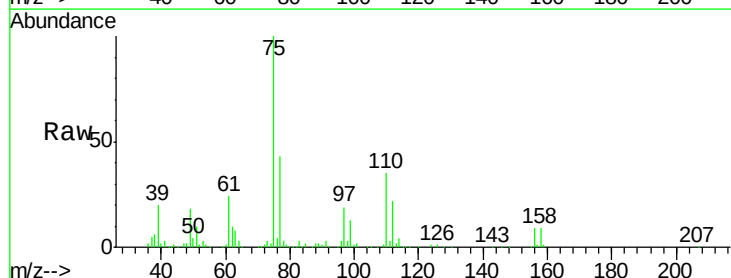
Acq: 1 Feb 2019 13:27

Tgt Ion: 75 Resp: 467027

Ion Ratio Lower Upper

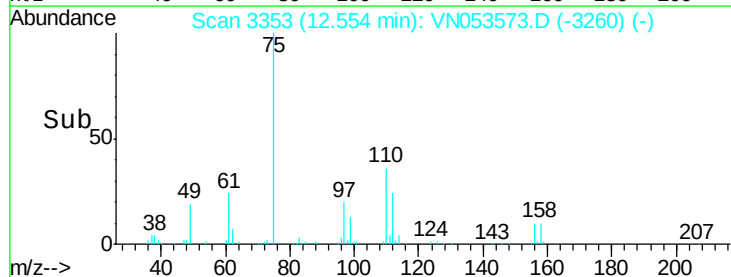
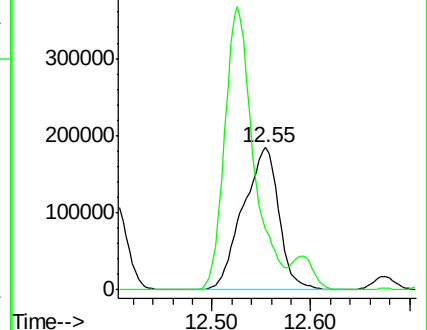
75 100

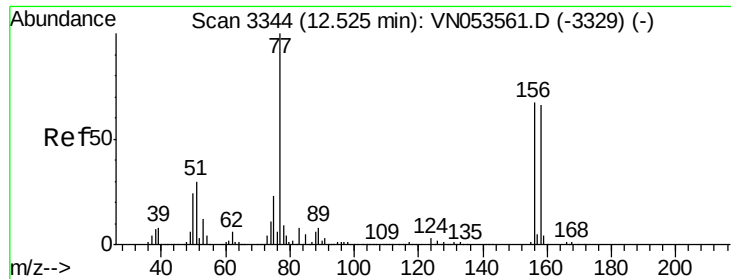
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.810 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

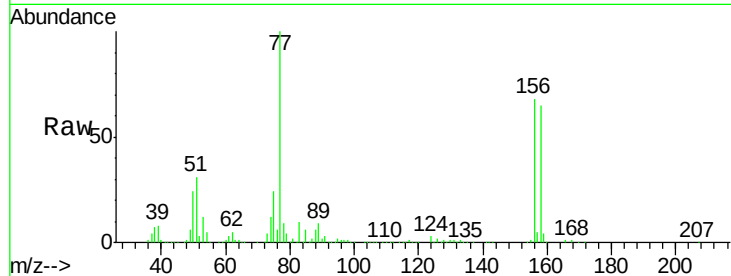
Tot Ion:156 Resp: 440238

Ion Ratio Lower Upper

156 100

77 171.0 87.9 263.8

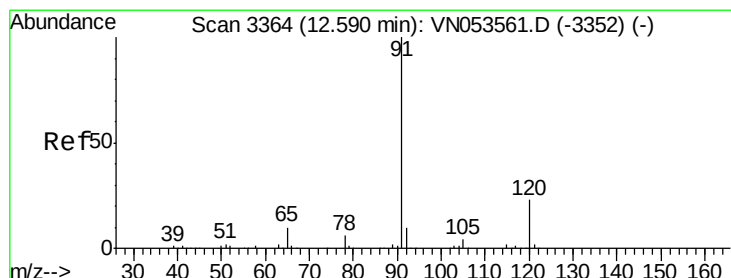
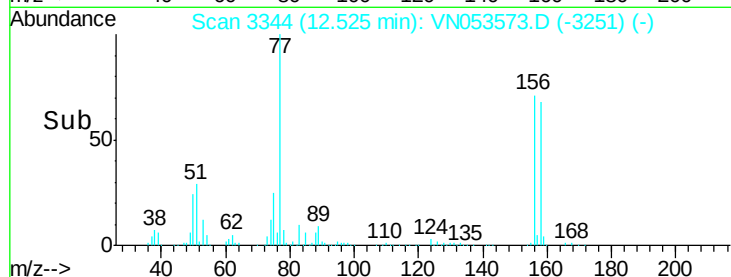
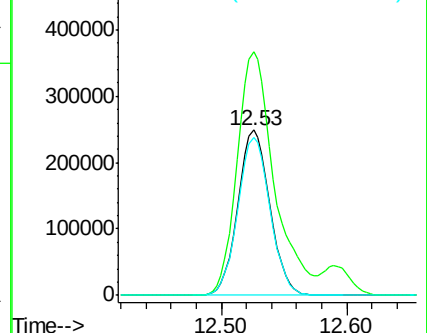
158 96.6 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.766 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053573.D

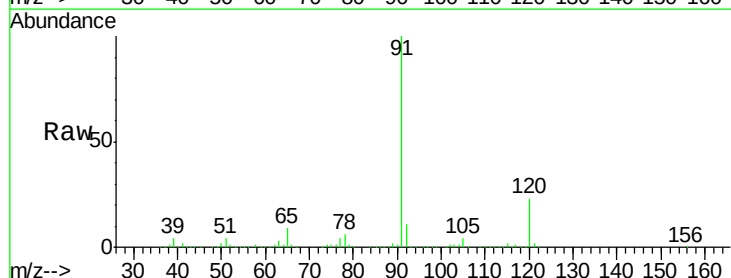
Acq: 1 Feb 2019 13:27

Tgt Ion: 91 Resp: 1965583

Ion Ratio Lower Upper

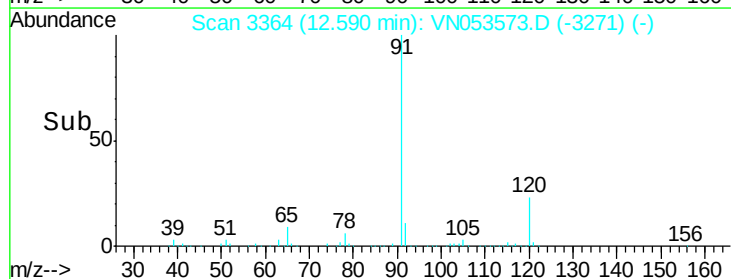
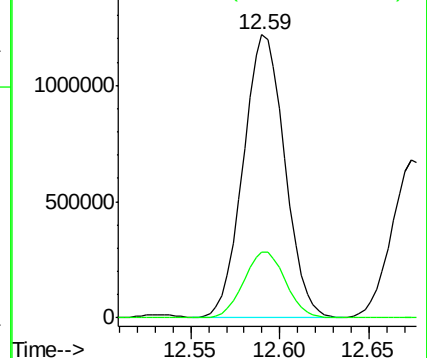
91 100

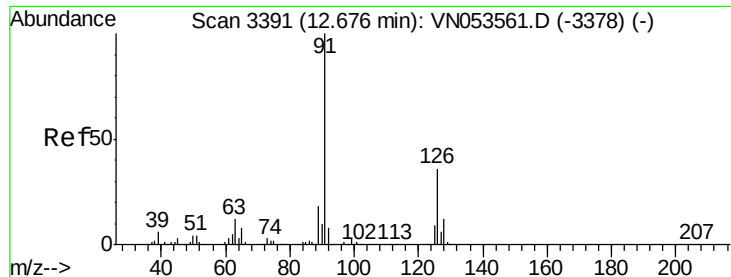
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.550 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

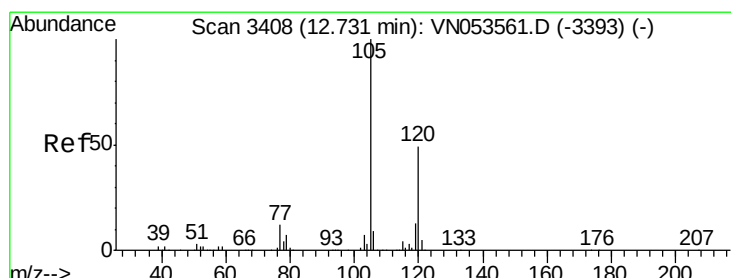
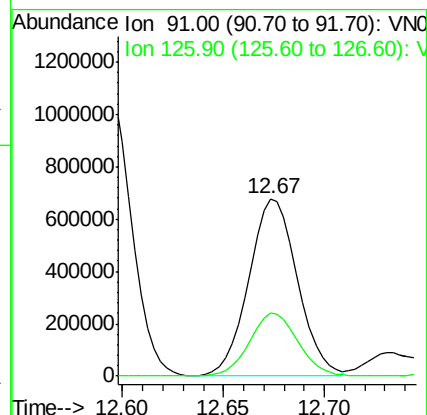
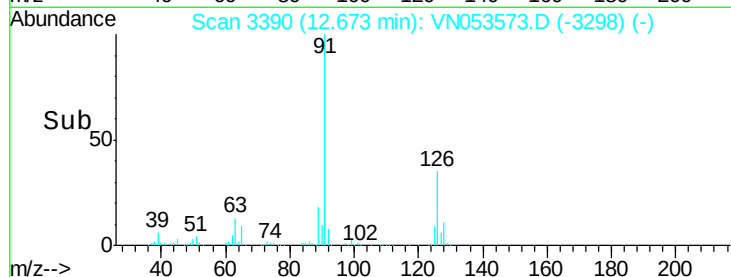
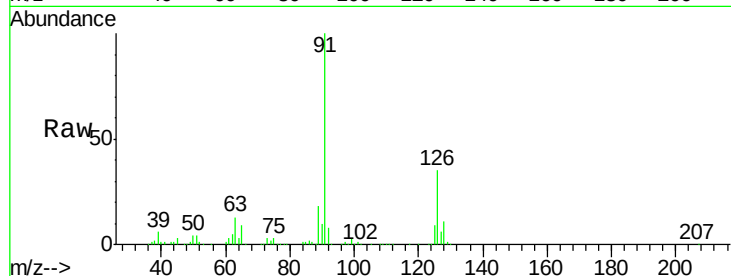
VSTDCCC050

Tot Ion: 91 Resp: 1137635

Ion Ratio Lower Upper

91 100

126 35.6 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 50.366 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053573.D

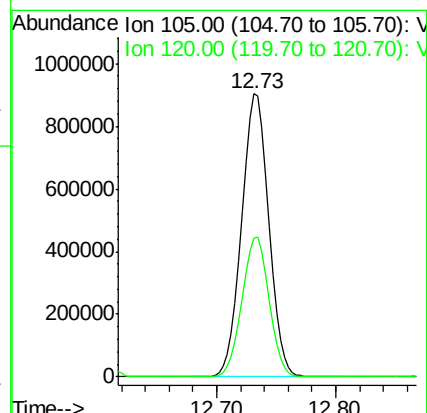
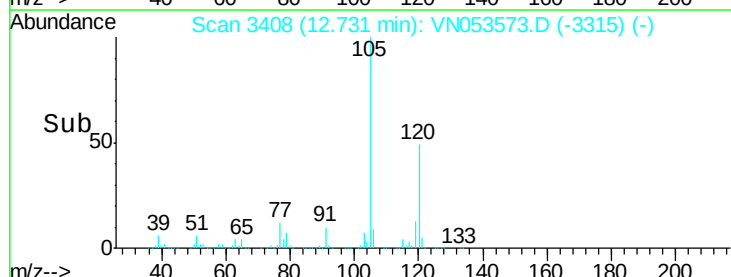
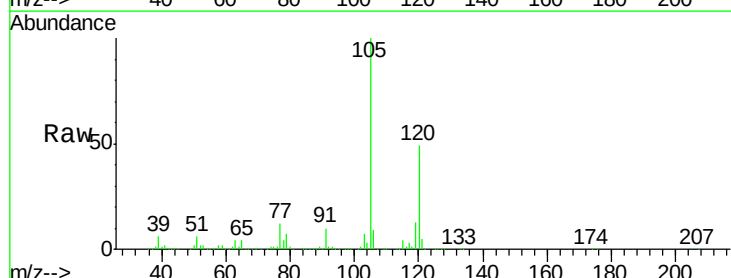
Acq: 1 Feb 2019 13:27

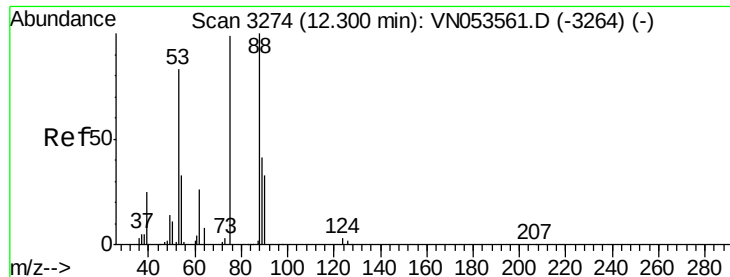
Tgt Ion:105 Resp: 1426968

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.123 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

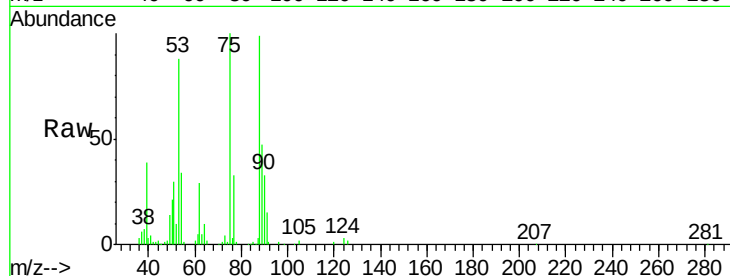
Tot Ion: 75 Resp: 104615

Ion Ratio Lower Upper

75 100

53 89.0 69.8 104.6

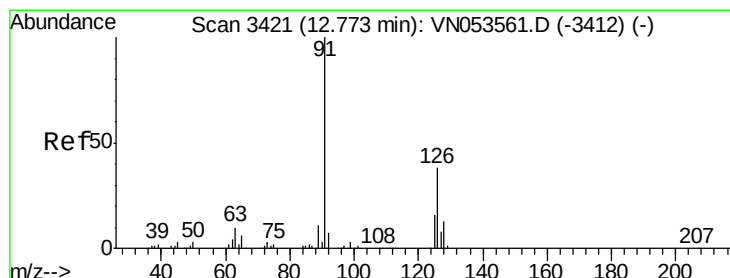
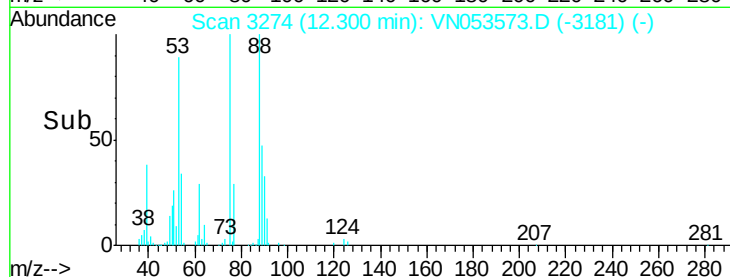
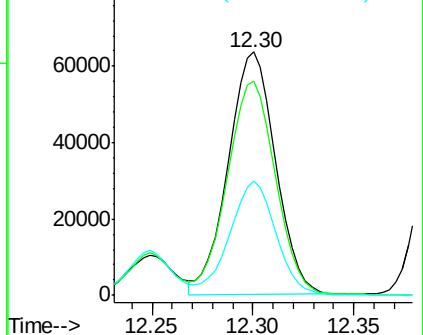
89 45.6 35.6 53.4



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: 48.664 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053573.D

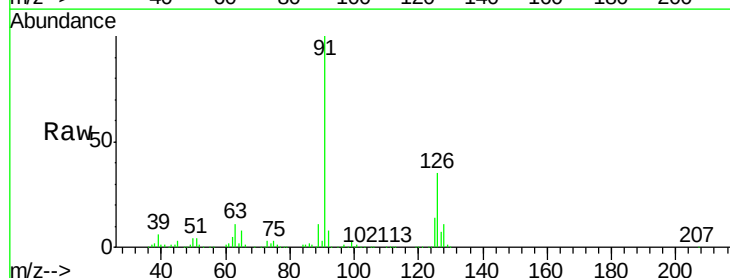
Acq: 1 Feb 2019 13:27

Tgt Ion: 91 Resp: 1170121

Ion Ratio Lower Upper

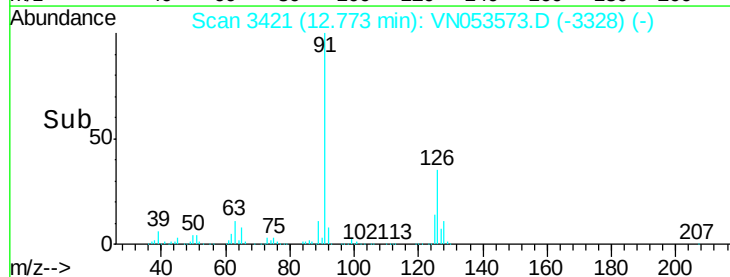
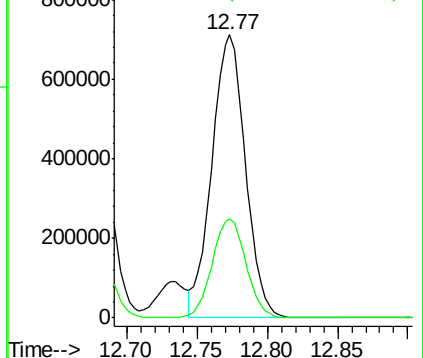
91 100

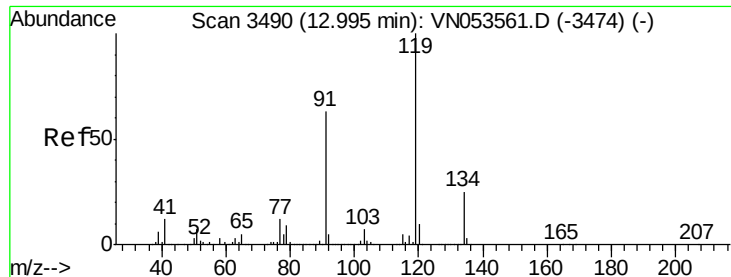
126 35.2 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

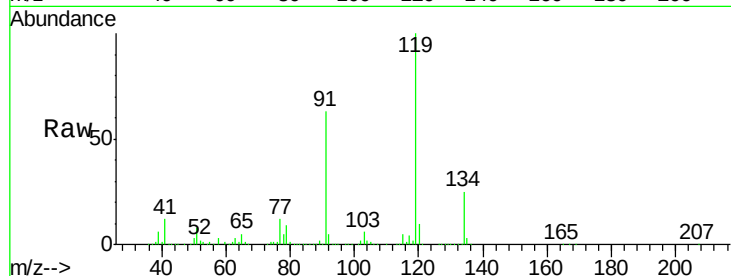




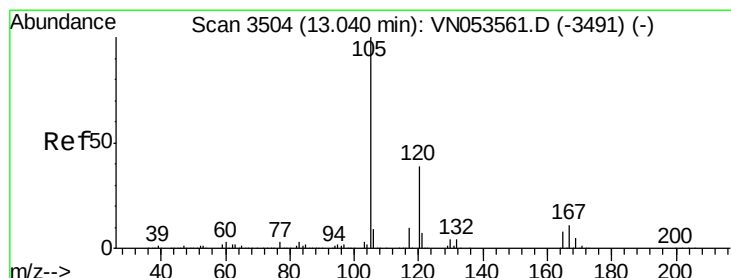
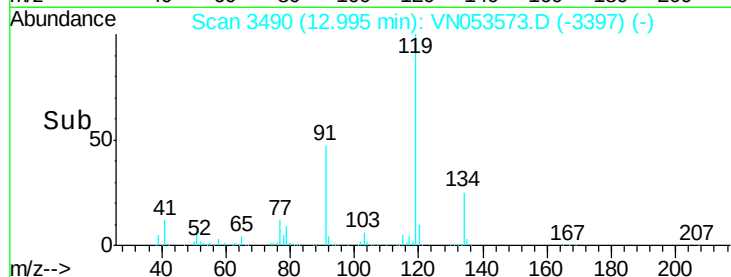
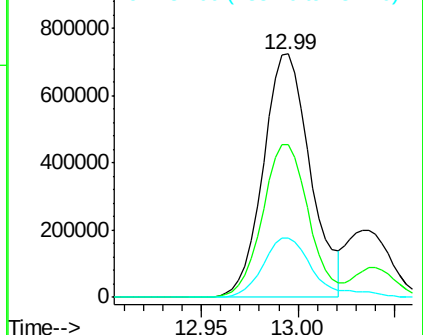
#83
 tert-Butylbenzene
 Concen: 48.879 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1223937
 Ion Ratio Lower Upper
 119 100
 91 61.2 31.3 93.8
 134 26.3 12.9 38.7

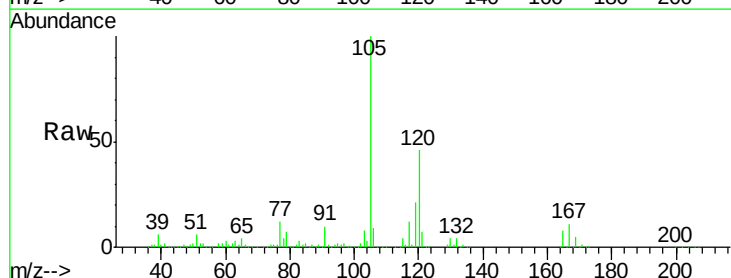


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

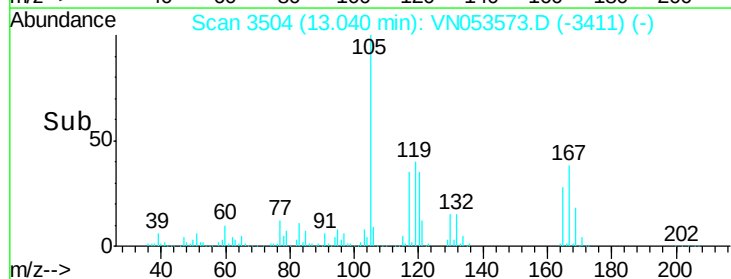
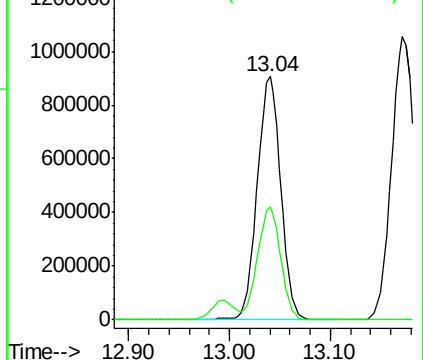


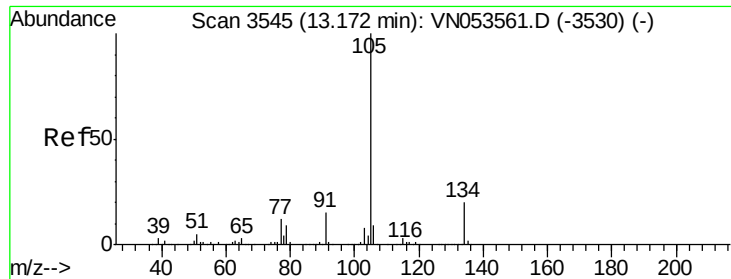
#84
 1,2,4-Trimethylbenzene
 Concen: 50.374 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion:105 Resp: 1454043
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.782 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampled :

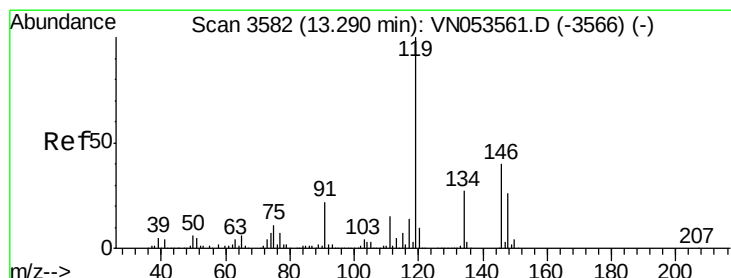
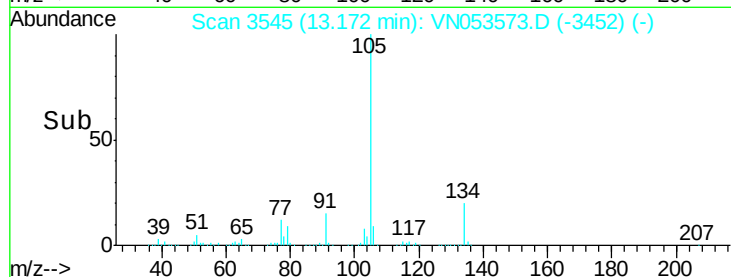
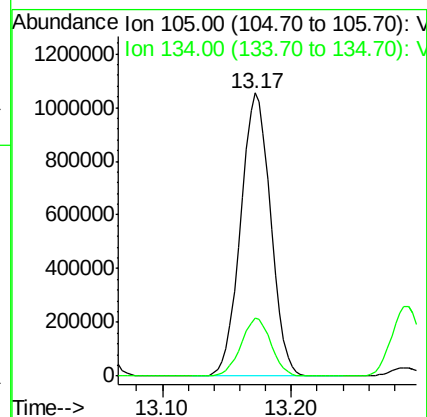
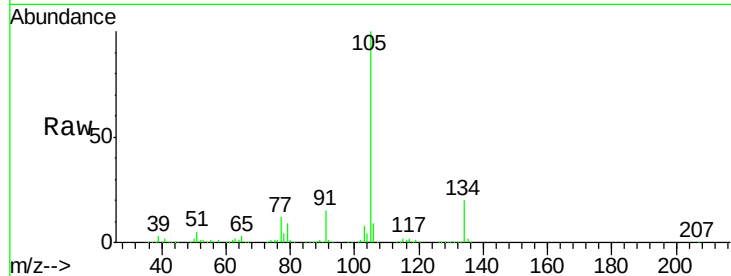
VSTDCCC050

Tot Ion:105 Resp: 1696313

Ion Ratio Lower Upper

105 100

134 20.4 10.2 30.6



#86

p-Isopropyltoluene

Concen: 50.895 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

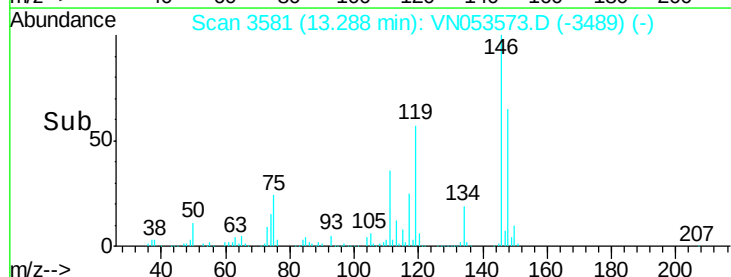
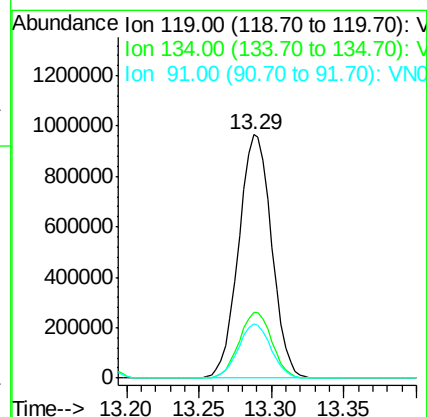
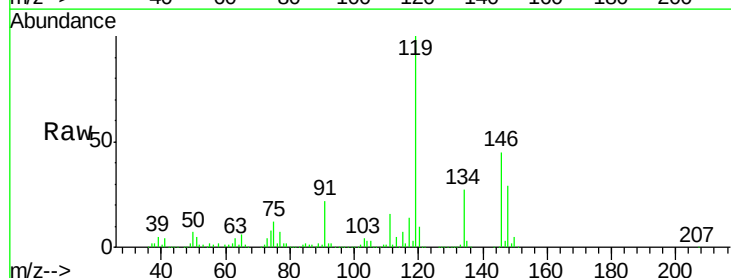
Tgt Ion:119 Resp: 1516760

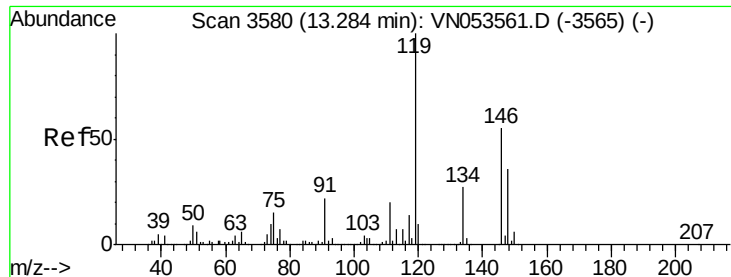
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 22.0 11.0 33.0

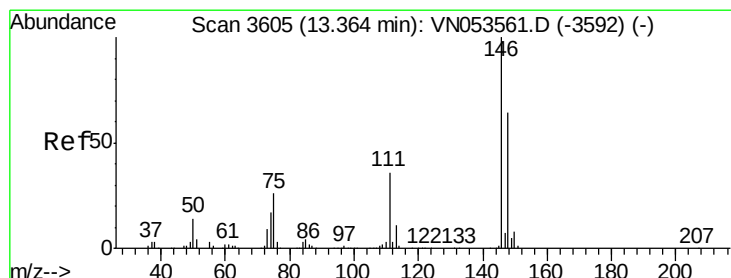
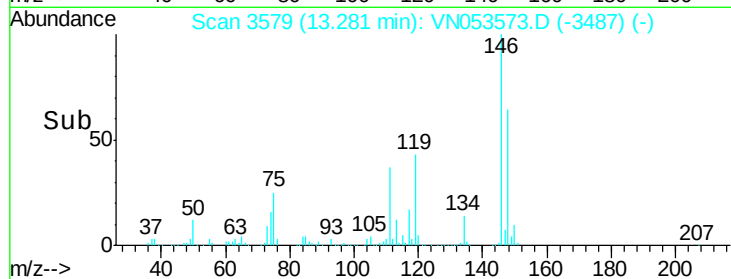
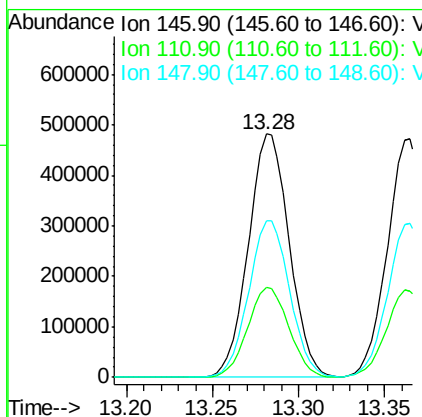
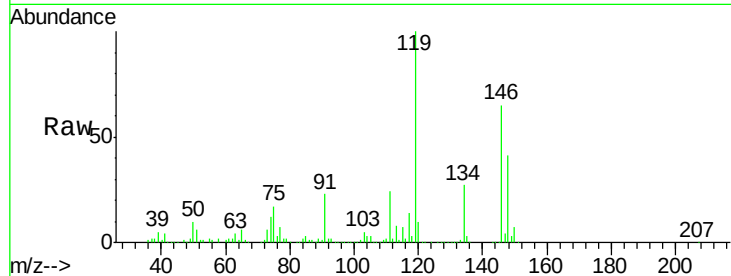




#87
 1,3-Dichlorobenzene
 Concen: 47.957 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

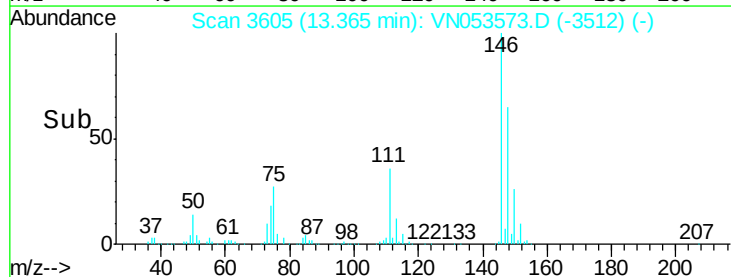
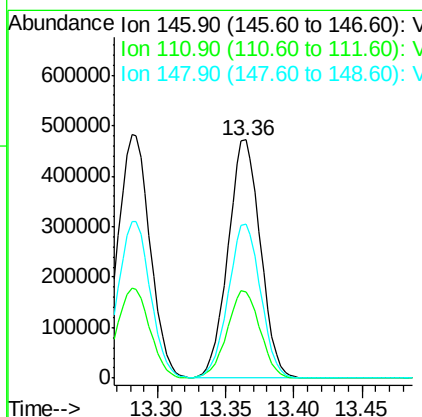
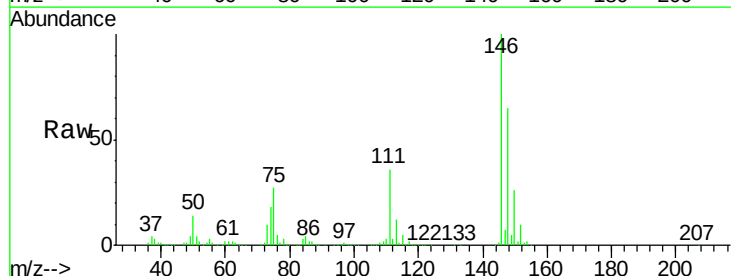
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

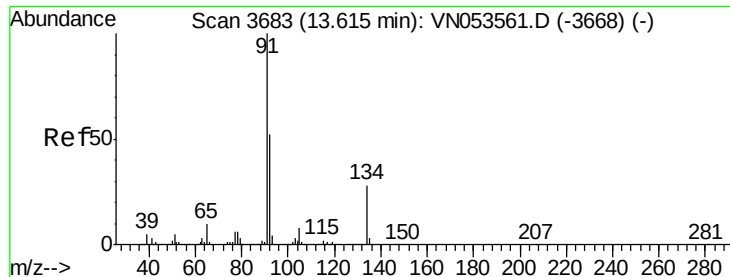
Tot Ion:146 Resp: 793823
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.8 56.3
 148 64.5 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 47.415 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion:146 Resp: 776370
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 64.8 32.4 97.0





#89

n-Butylbenzene

Concen: 51.418 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

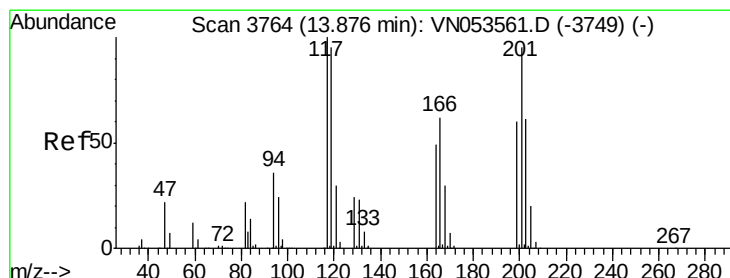
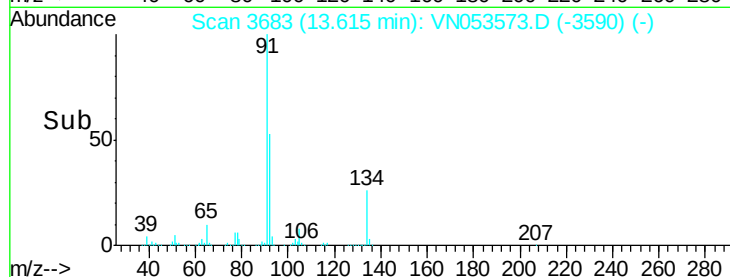
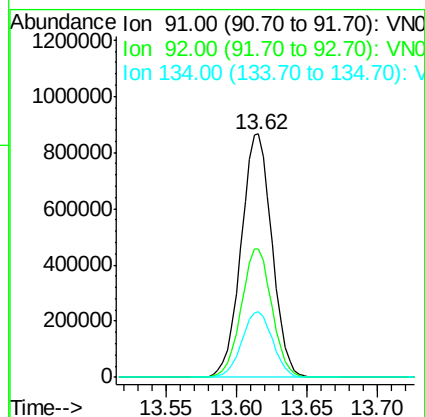
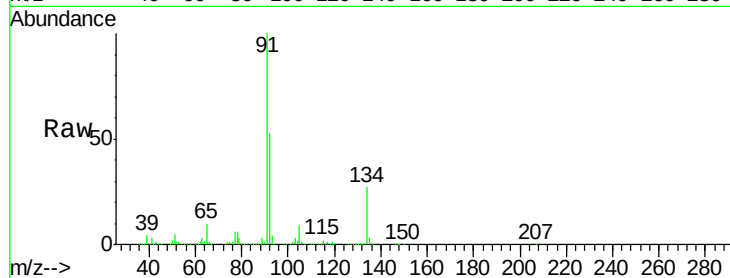
Tot Ion: 91 Resp: 1326329

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.8
134	27.0	13.5	40.5

91 100

92 52.5 26.3 78.8

134 27.0 13.5 40.5



#90

Hexachloroethane

Concen: 48.086 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053573.D

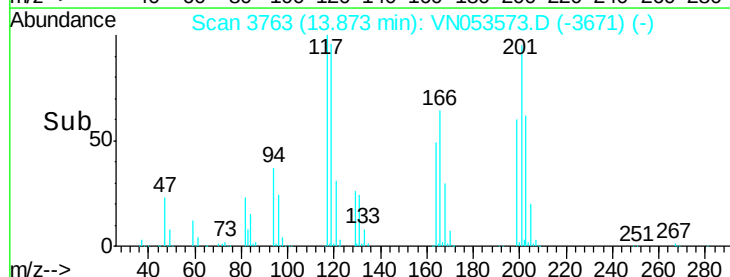
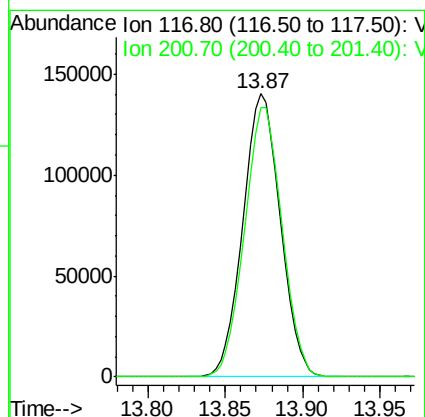
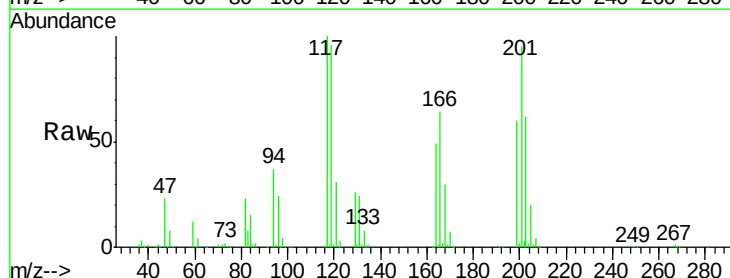
Acq: 1 Feb 2019 13:27

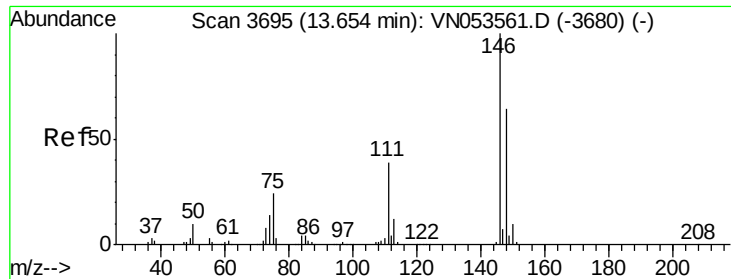
Tgt Ion: 117 Resp: 236375

Ion	Ratio	Lower	Upper
117	100		
201	95.5	46.8	140.4

117 100

201 95.5 46.8 140.4

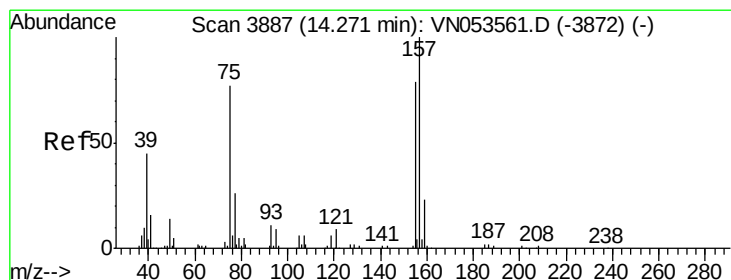
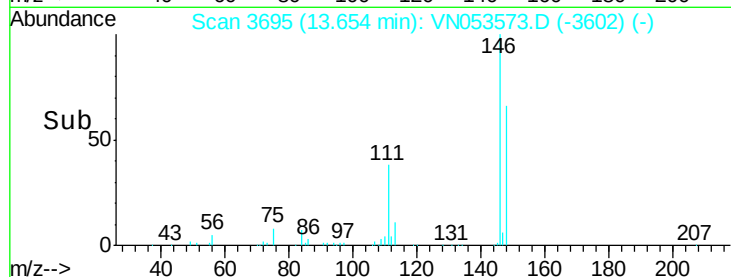
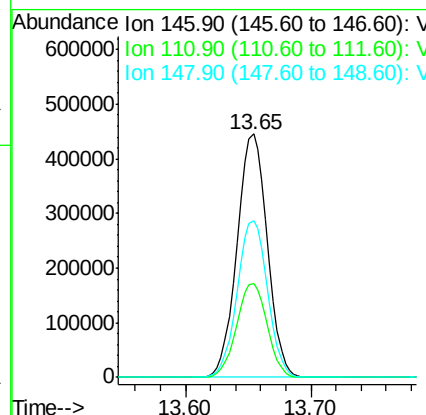
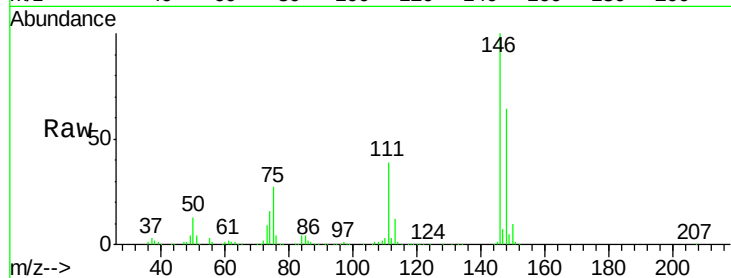




#91
 1,2-Dichlorobenzene
 Concen: 47.117 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

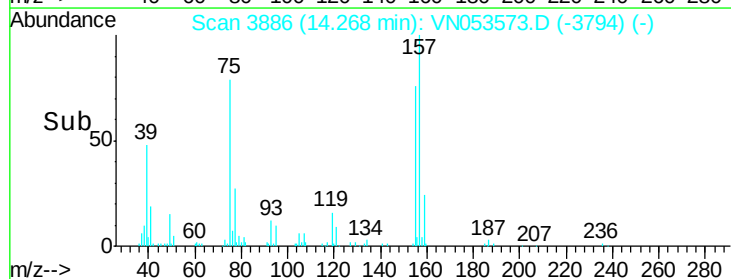
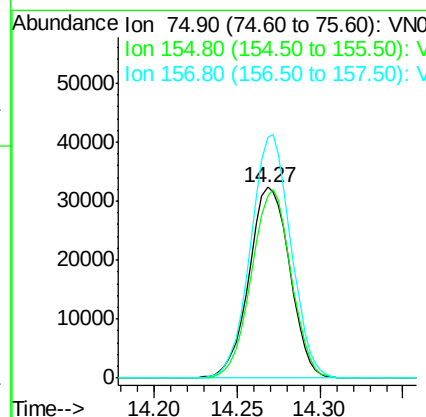
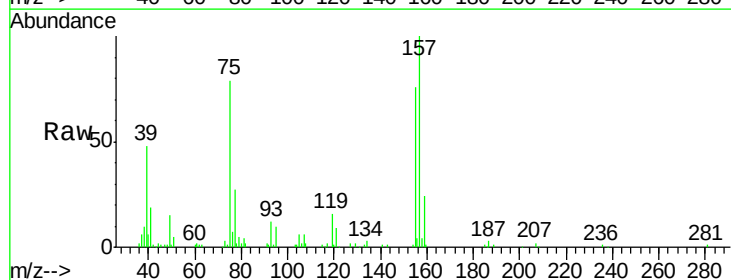
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

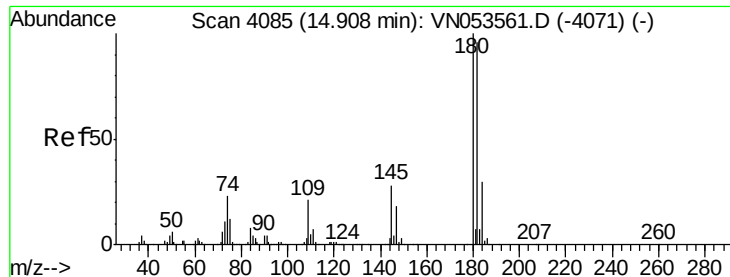
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.5	58.5
148	64.5	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.511 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	48.9	146.7
157	125.6	63.7	191.3

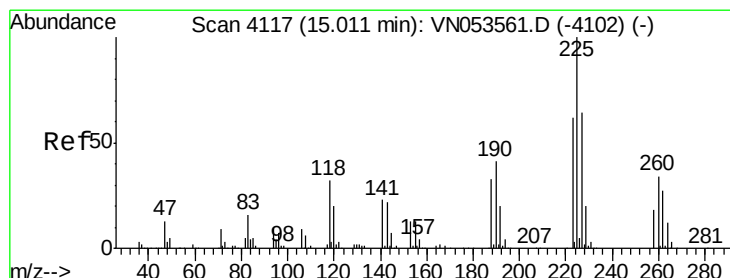
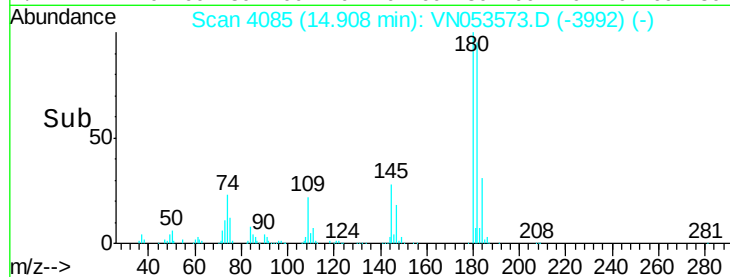
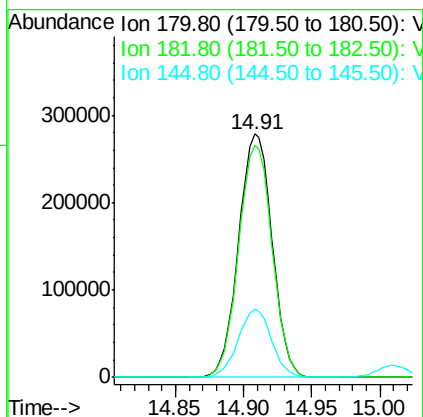
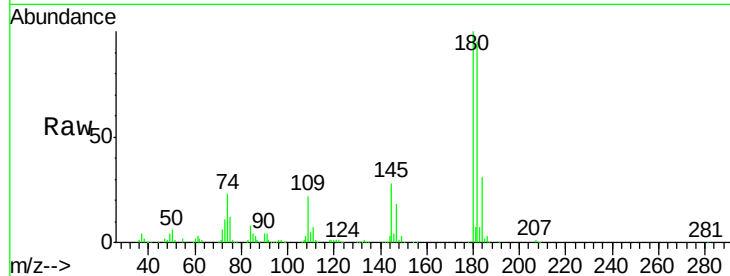




#93
 1,2,4-Trichlorobenzene
 Concen: 52.329 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

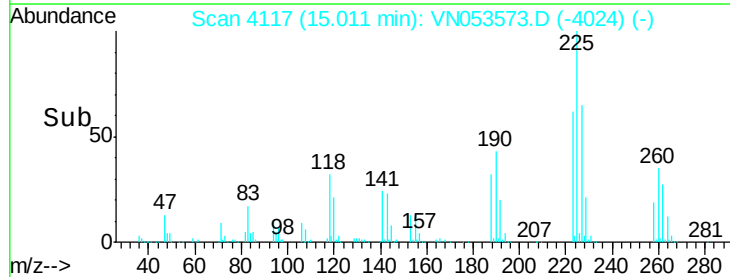
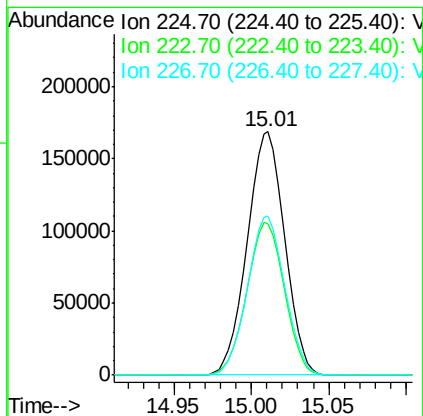
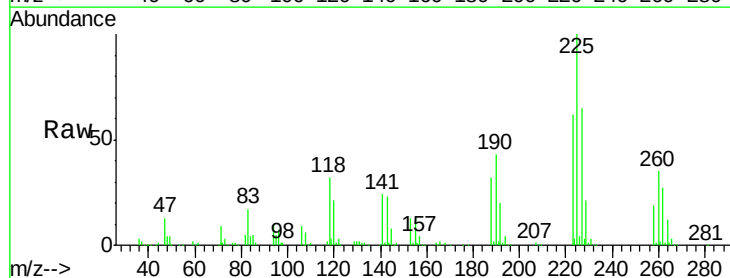
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

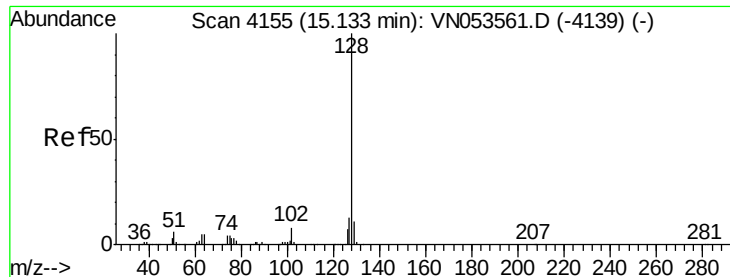
Tot Ion:180 Resp: 475593
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.1 144.3
 145 27.7 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 50.447 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053573.D
 Acq: 1 Feb 2019 13:27

Tgt Ion:225 Resp: 285528
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.1 93.2
 227 65.0 32.0 96.2





#95

Naphthalene

Concen: 46.133 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Instrument :

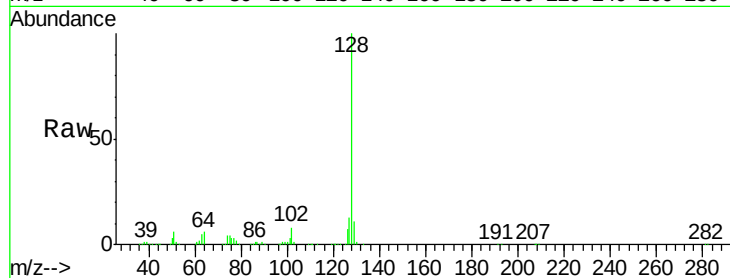
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 981957

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.6	13.0

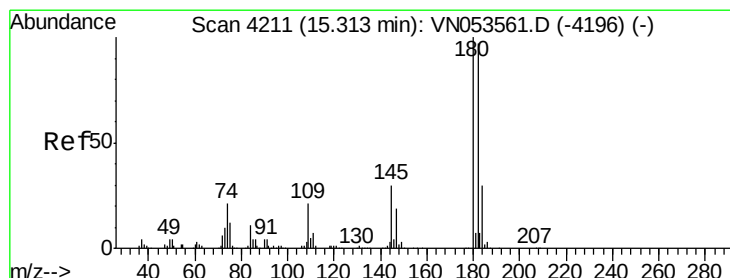
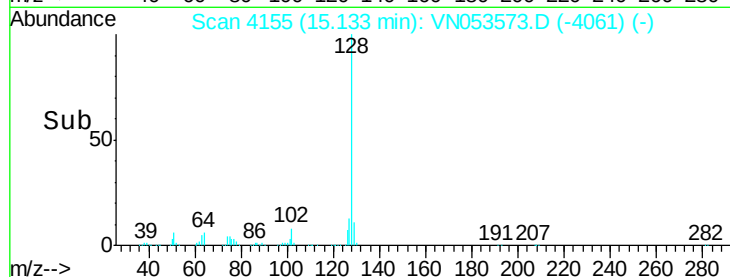
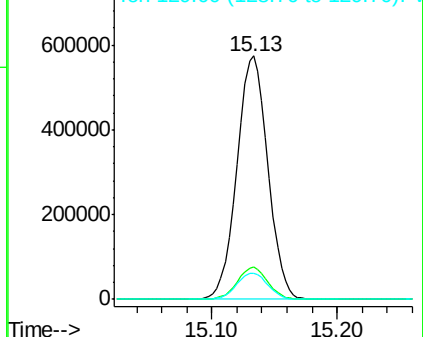


Abundance

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: 52.588 ug/l

RT: 15.31 min Scan# 4211

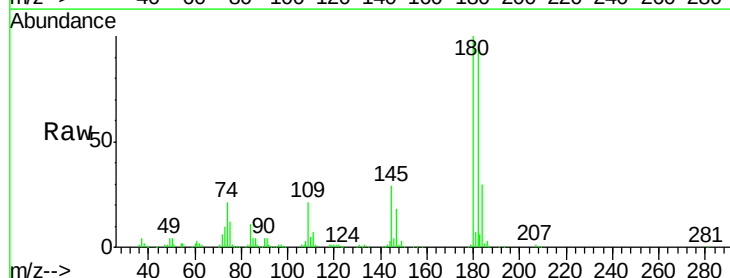
Delta R.T. 0.00 min

Lab File: VN053573.D

Acq: 1 Feb 2019 13:27

Tgt Ion:180 Resp: 443479

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.8
145	29.1	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

