

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
 Data File : VN055374.D
 Acq On : 3 May 2019 3:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 03 09:47:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	410558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	673105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	567351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230615	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	266022	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
35) Dibromofluoromethane	7.59	113	215307	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
50) Toluene-d8	10.09	98	773873	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.40	95	259496	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	212760	42.297	ug/l	98
3) Chloromethane	2.06	50	261618	42.002	ug/l	99
4) Vinyl Chloride	2.19	62	231949	46.197	ug/l	97
5) Bromomethane	2.57	94	125345	47.131	ug/l	98
6) Chloroethane	2.71	64	132278	48.633	ug/l	97
7) Trichlorofluoromethane	3.02	101	328722	46.043	ug/l	100
8) Diethyl Ether	3.42	74	129527	51.856	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	185097	43.538	ug/l	99
10) Methyl Iodide	3.96	142	289229	48.341	ug/l	98
11) Tert butyl alcohol	4.80	59	76321	248.193	ug/l	98
12) 1,1-Dichloroethene	3.74	96	192858	47.553	ug/l	98
13) Acrolein	3.61	56	41110	171.184	ug/l	99
14) Allyl chloride	4.33	41	398862	47.486	ug/l	99
15) Acrylonitrile	5.00	53	435052	251.699	ug/l	99
16) Acetone	3.82	43	320095	191.268	ug/l	100
17) Carbon Disulfide	4.06	76	447070	42.240	ug/l	99
18) Methyl Acetate	4.33	43	220688	54.220	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	604521	53.022	ug/l	98
20) Methylene Chloride	4.56	84	232913	45.596	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	202199	47.076	ug/l	99
22) Diisopropyl ether	5.95	45	866530	51.922	ug/l	95
23) Vinyl Acetate	5.90	43	2860489	261.517	ug/l	100
24) 1,1-Dichloroethane	5.85	63	440844	49.576	ug/l	100
25) 2-Butanone	6.84	43	509850	238.221	ug/l	99
26) 2,2-Dichloropropane	6.82	77	215237	35.053	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	245147	50.189	ug/l	97
28) Bromochloromethane	7.20	49	216549	48.313	ug/l	99
29) Tetrahydrofuran	7.21	42	357025	260.515	ug/l	99
30) Chloroform	7.37	83	412241	48.905	ug/l	98
31) Cyclohexane	7.66	56	372163	44.051	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	332796	48.645	ug/l	99
36) 1,1-Dichloropropene	7.80	75	300062	46.541	ug/l	99
37) Ethyl Acetate	6.93	43	235266	47.612	ug/l	98
38) Carbon Tetrachloride	7.78	117	278477	44.776	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
 Data File : VN055374.D
 Acq On : 3 May 2019 3:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 03 09:47:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	288843	42.137	ug/l	98
40) Benzene	8.04	78	897358	47.214	ug/l	99
41) Methacrylonitrile	7.17	41	127179	47.592	ug/l	94
42) 1,2-Dichloroethane	8.13	62	318152	47.262	ug/l	100
43) Isopropyl Acetate	8.17	43	415982	52.384	ug/l #	89
44) Trichloroethene	8.84	130	228511	47.162	ug/l	100
45) 1,2-Dichloropropane	9.12	63	261938	47.784	ug/l	99
46) Dibromomethane	9.21	93	142584	47.586	ug/l	100
47) Bromodichloromethane	9.40	83	308744	48.031	ug/l	97
48) Methyl methacrylate	9.20	41	201824	51.699	ug/l	99
49) 1,4-Dioxane	9.21	88	38459	953.018	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1131521	253.086	ug/l	100
52) Toluene	10.16	92	528040	48.421	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	274503	49.192	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	342479	49.225	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	192989	47.657	ug/l	99
56) Ethyl methacrylate	10.43	69	261805	52.525	ug/l	98
57) 1,3-Dichloropropane	10.71	76	347026	48.849	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	307791	201.506	ug/l	99
59) 2-Hexanone	10.75	43	680164	243.143	ug/l	99
60) Dibromochloromethane	10.90	129	207623	50.165	ug/l	100
61) 1,2-Dibromoethane	11.01	107	187341	50.052	ug/l	99
64) Tetrachloroethene	10.63	164	226852	48.894	ug/l	99
65) Chlorobenzene	11.43	112	534188	48.158	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	207861	47.856	ug/l	100
67) Ethyl Benzene	11.51	91	991353	49.492	ug/l	99
68) m/p-Xylenes	11.62	106	715635	100.091	ug/l	97
69) o-Xylene	11.95	106	353578	49.893	ug/l	100
70) Styrene	11.96	104	583342	53.611	ug/l	100
71) Bromoform	12.13	173	123298	51.158	ug/l #	98
73) Isopropylbenzene	12.25	105	941813	51.415	ug/l	100
74) N-amyl acetate	12.07	43	298680	50.466	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	229997	50.358	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	271623	64.075	ug/l #	100
77) Bromobenzene	12.53	156	221293	50.316	ug/l	99
78) n-propylbenzene	12.59	91	1033616	43.633	ug/l	99
79) 2-Chlorotoluene	12.67	91	639969	51.272	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	782611	43.287	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	49671	40.817	ug/l	94
82) 4-Chlorotoluene	12.77	91	612264	44.452	ug/l	100
83) tert-Butylbenzene	12.99	119	659340	51.617	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	764871	47.304	ug/l	99
85) sec-Butylbenzene	13.17	105	844890	42.995	ug/l	98
86) p-Isopropyltoluene	13.29	119	733063	45.388	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	359056	46.528	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	349121	48.040	ug/l	99
89) n-Butylbenzene	13.61	91	565966	49.314	ug/l	100
90) Hexachloroethane	13.87	117	120025	46.834	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	364492	47.655	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32092	52.895	ug/l	98

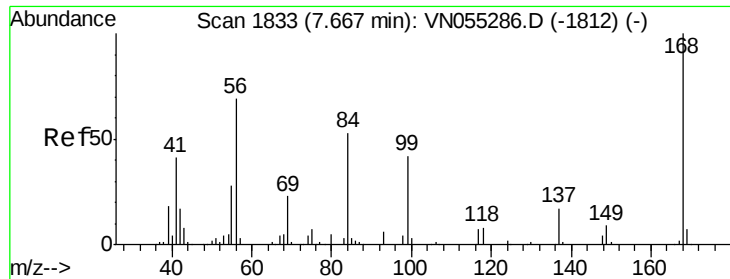
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050219\
Data File : VN055374.D
Acq On : 3 May 2019 3:12
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: May 03 09:47:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	140984	46.971	ug/l	99
94) Hexachlorobutadiene	15.01	225	118139	51.410	ug/l	96
95) Naphthalene	15.13	128	291001	45.703	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	144514	48.736	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

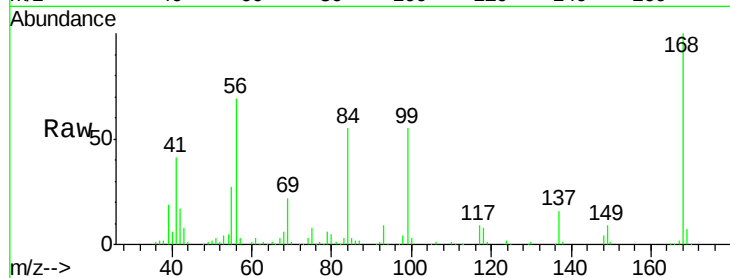
VSTDCCC050EC

Tot Ion:168 Resp: 410558

Ion Ratio Lower Upper

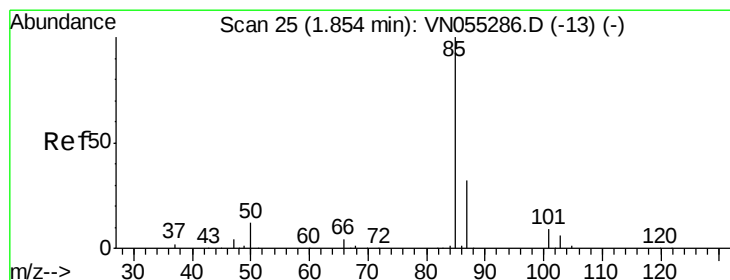
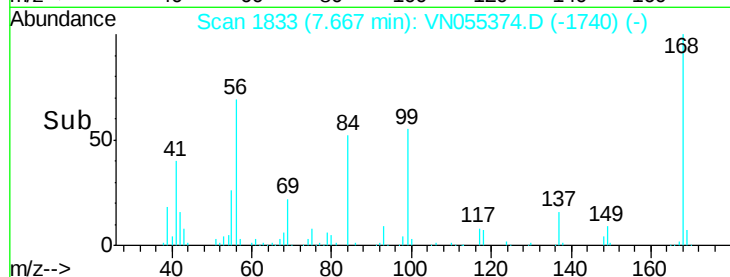
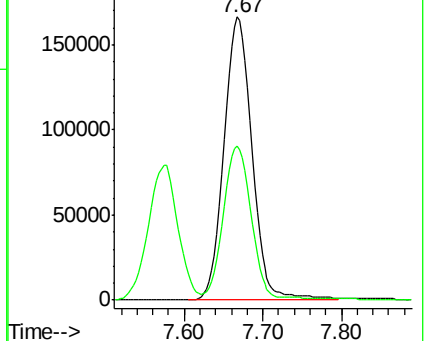
168 100

99 54.0 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.297 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055374.D

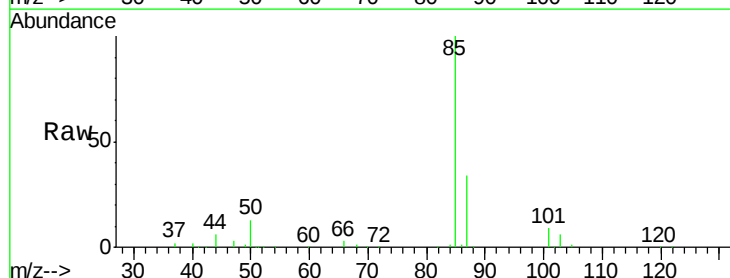
Acq: 3 May 2019 3:12

Tgt Ion: 85 Resp: 212760

Ion Ratio Lower Upper

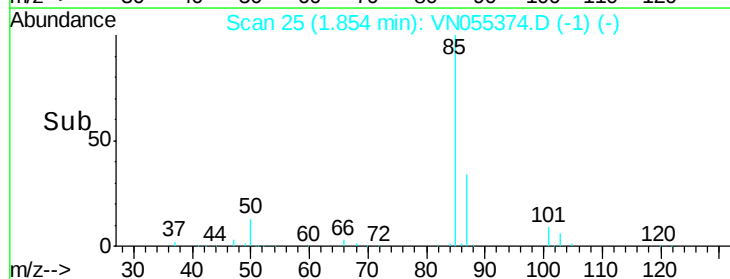
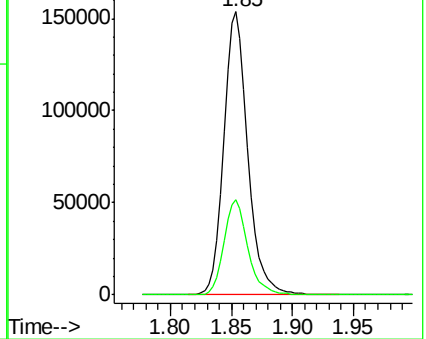
85 100

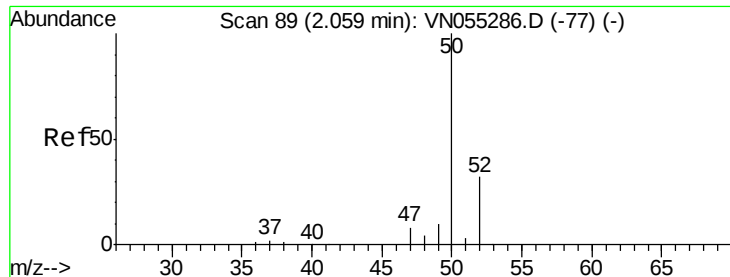
87 33.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.002 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

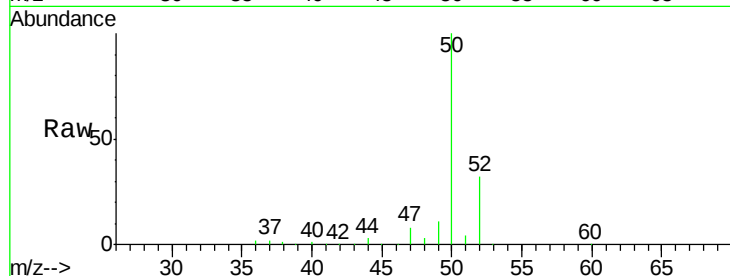
VSTDCCC050EC

Tot Ion: 50 Resp: 261618

Ion Ratio Lower Upper

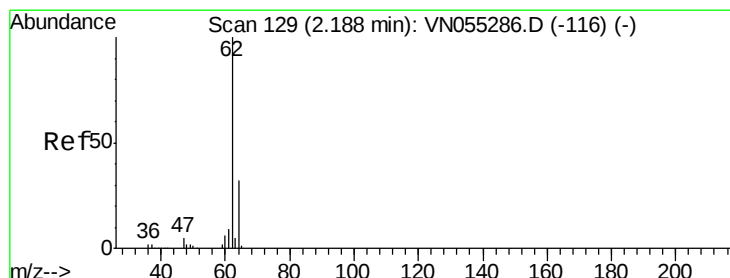
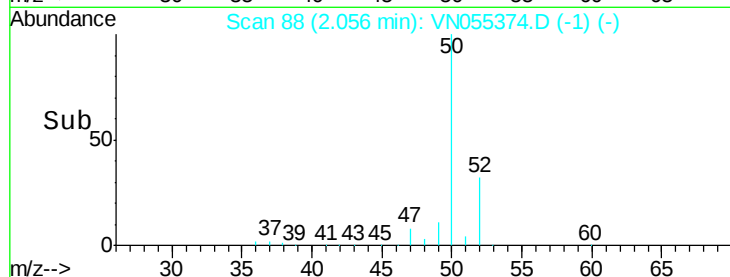
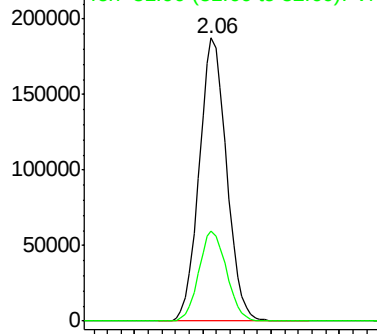
50 100

52 31.8 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.197 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055374.D

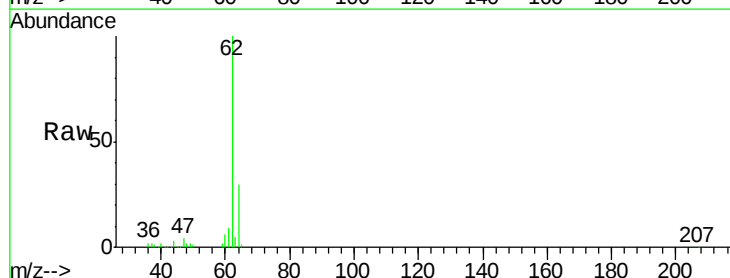
Acq: 3 May 2019 3:12

Tgt Ion: 62 Resp: 231949

Ion Ratio Lower Upper

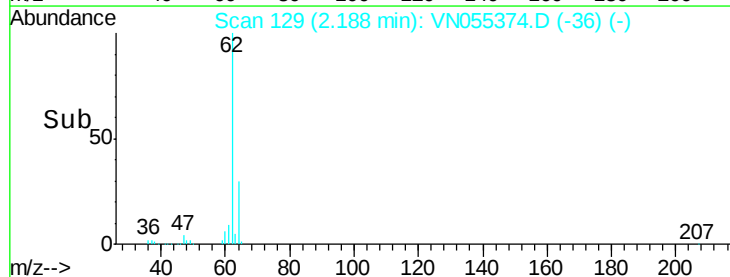
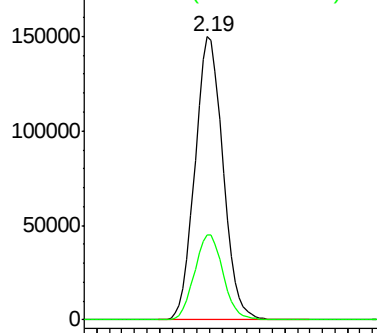
62 100

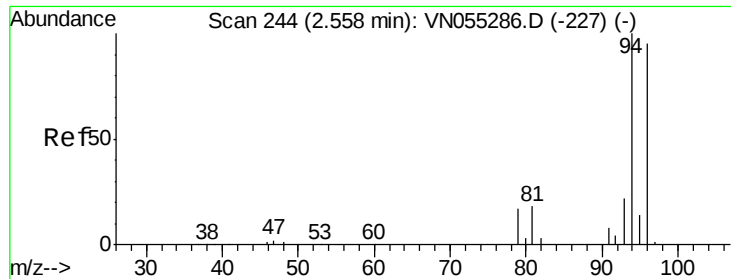
64 30.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 47.131 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

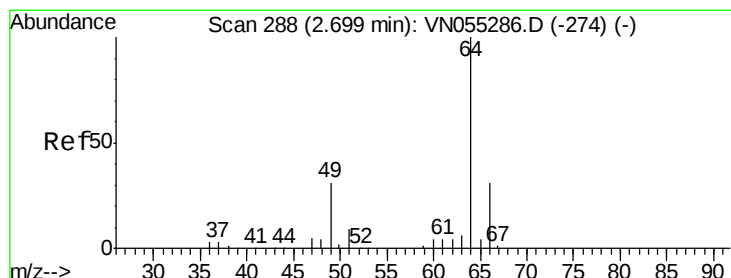
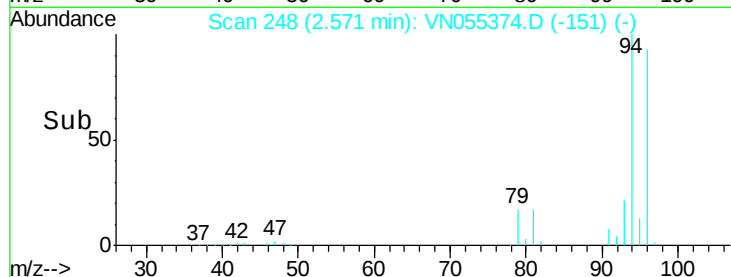
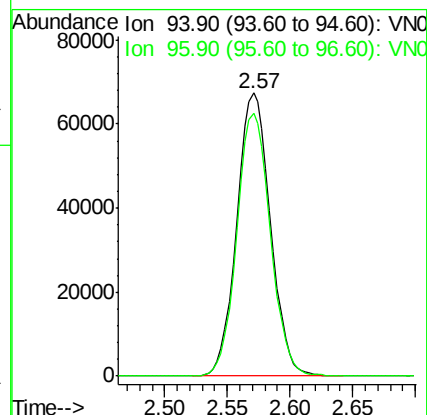
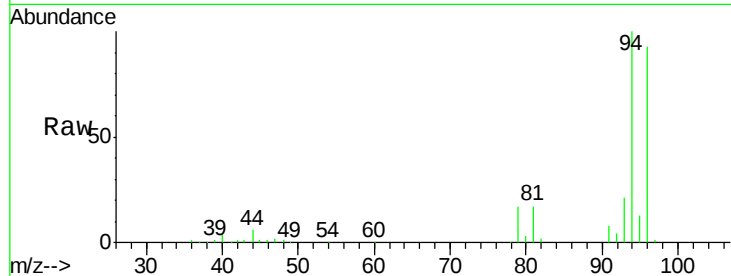
VSTDCCC050EC

Tot Ion: 94 Resp: 125345

Ion Ratio Lower Upper

94 100

96 92.7 76.0 114.0



#6

Chloroethane

Concen: 48.633 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN055374.D

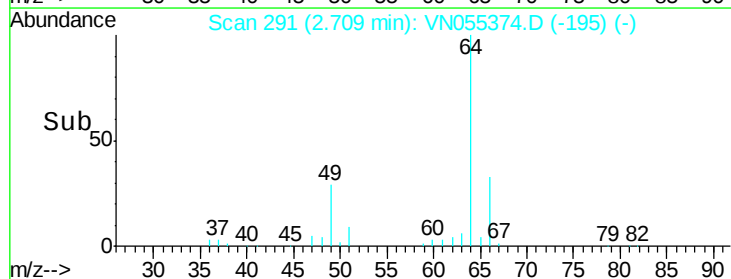
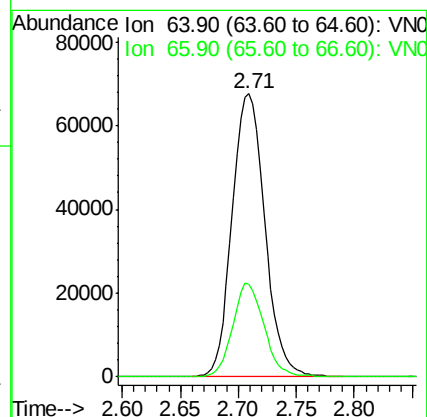
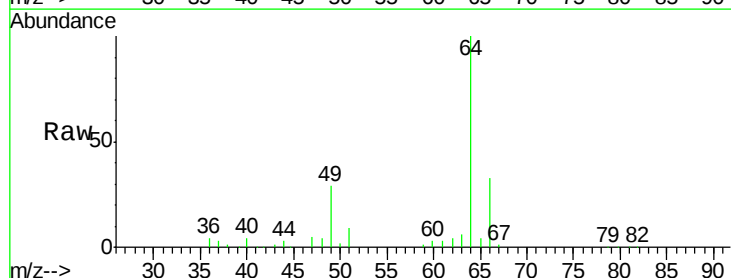
Acq: 3 May 2019 3:12

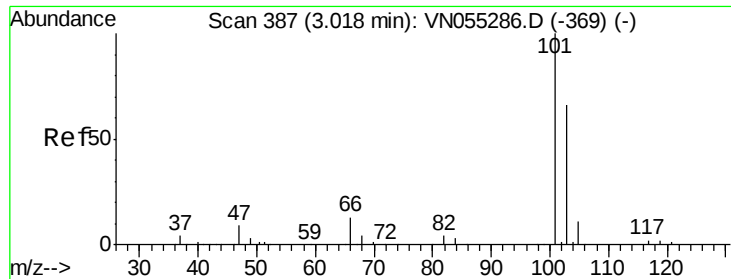
Tgt Ion: 64 Resp: 132278

Ion Ratio Lower Upper

64 100

66 32.9 25.0 37.4



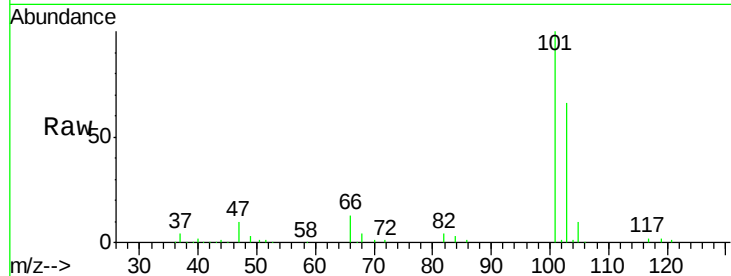


#7

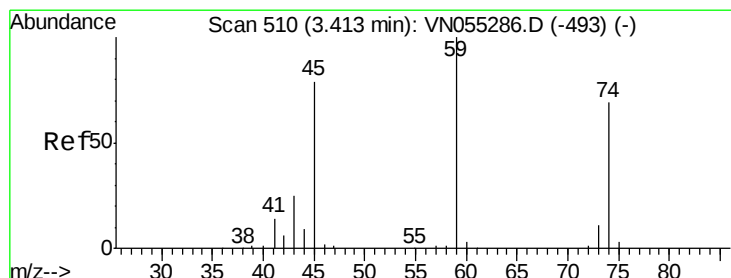
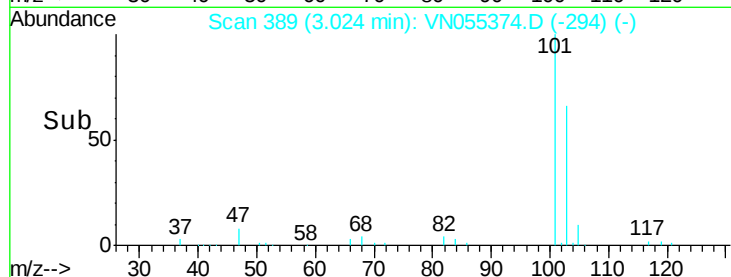
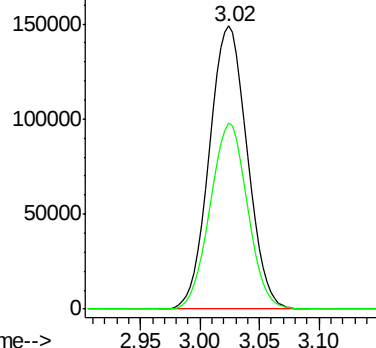
Trichlorofluoromethane
 Concen: 46.043 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN055374.D
 Acq: 3 May 2019 3:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 328722
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 79.0



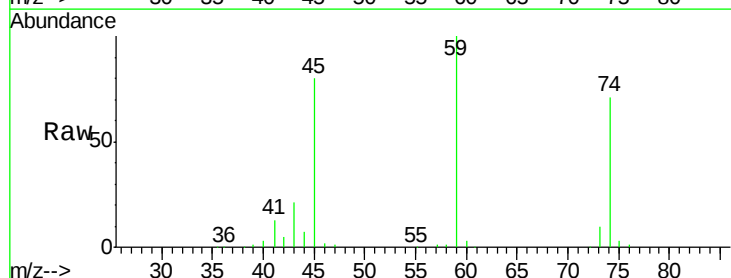
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



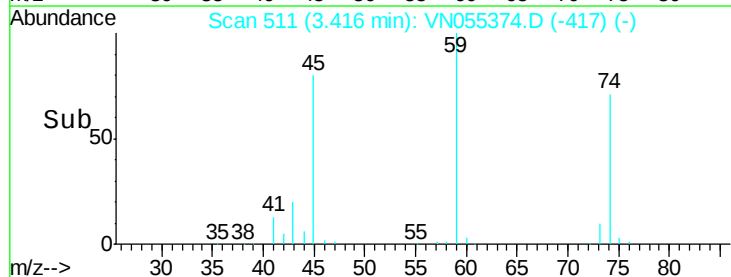
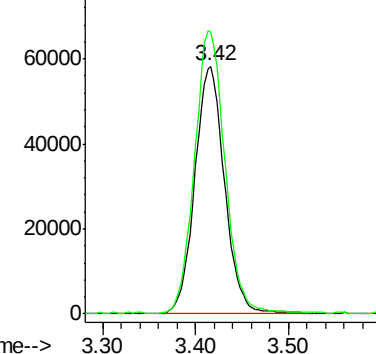
#8

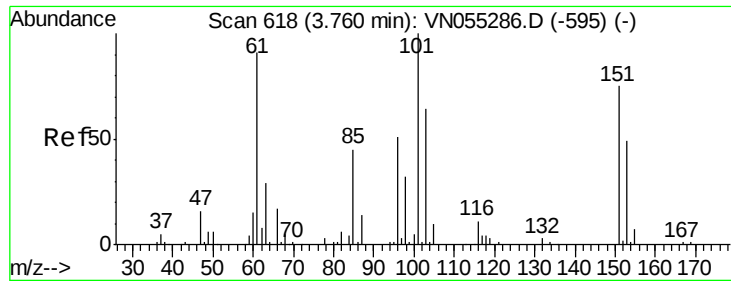
Diethyl Ether
 Concen: 51.856 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN055374.D
 Acq: 3 May 2019 3:12

Tgt Ion: 74 Resp: 129527
 Ion Ratio Lower Upper
 74 100
 45 116.2 58.9 176.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.538 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

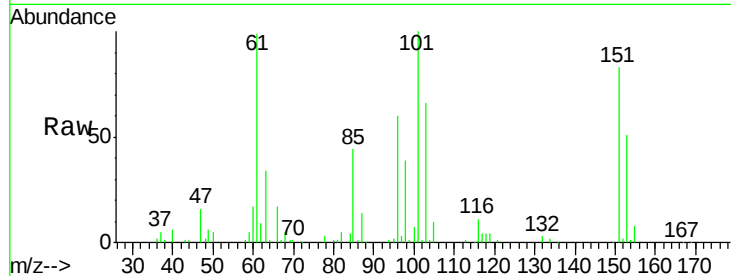
Tot Ion:101 Resp: 185097

Ion Ratio Lower Upper

101 100

85 43.5 35.7 53.5

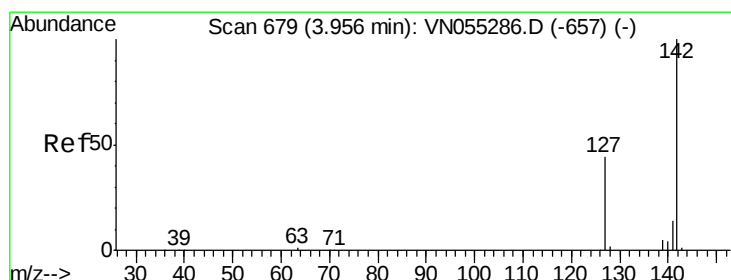
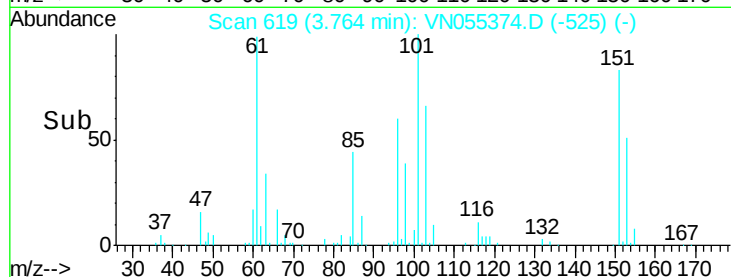
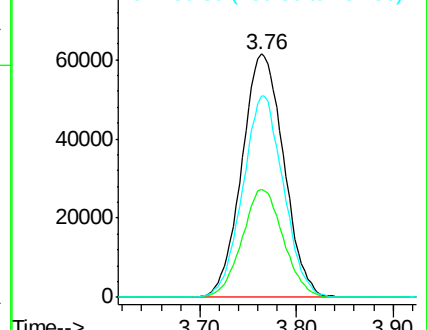
151 80.2 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.341 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

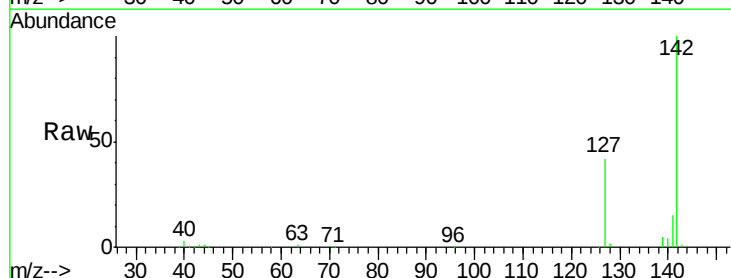
Tgt Ion:142 Resp: 289229

Ion Ratio Lower Upper

142 100

127 41.7 34.4 51.6

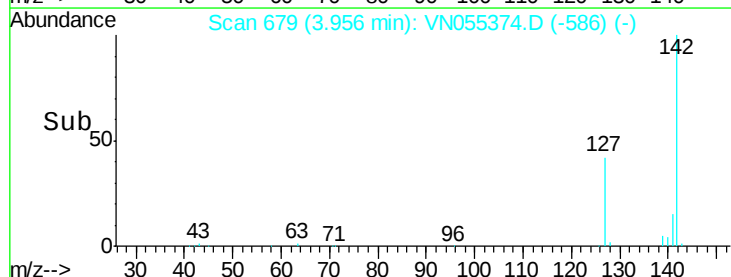
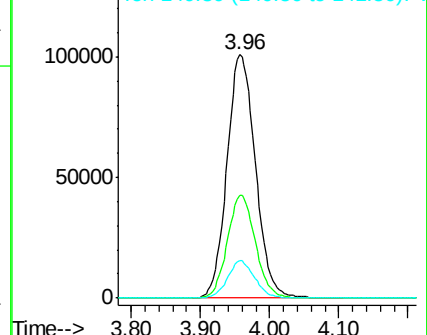
141 14.7 11.5 17.3



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

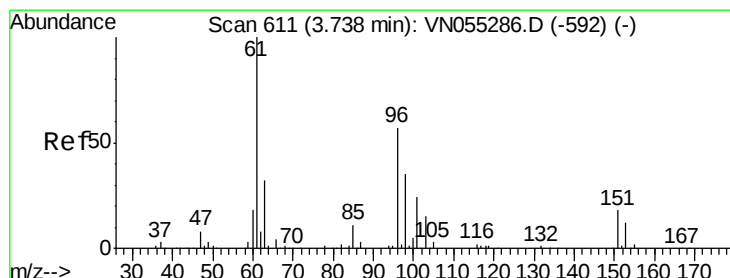
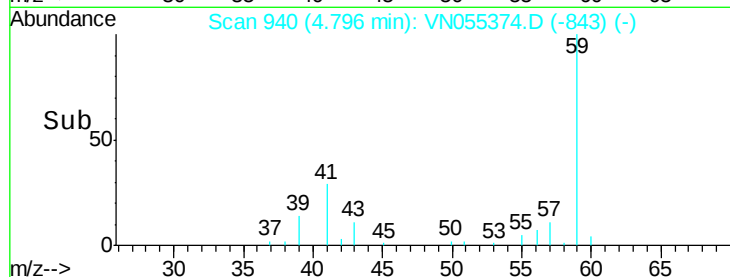
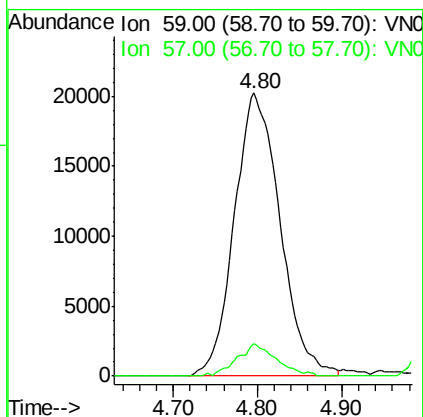
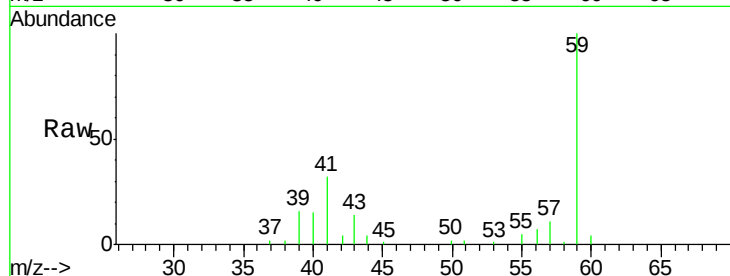




#11
Tert butyl alcohol
Concen: 248.193 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

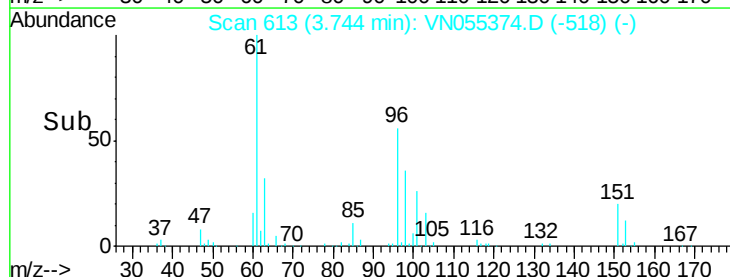
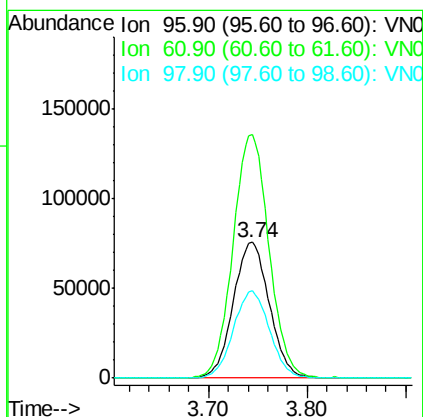
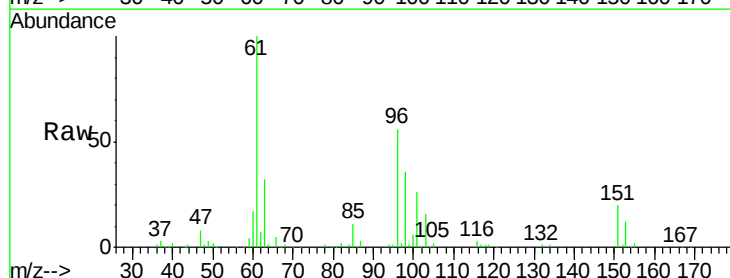
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

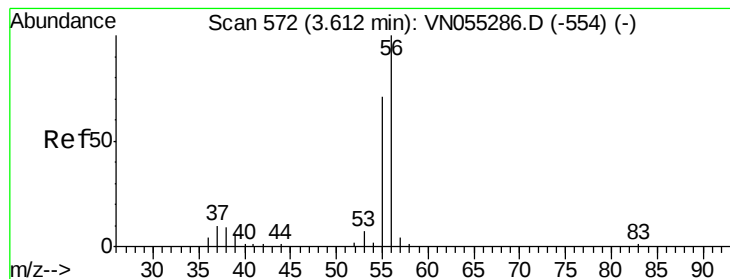
Tot Ion: 59 Resp: 76321
Ion Ratio Lower Upper
59 100
57 9.5 8.2 12.2



#12
1,1-Dichloroethene
Concen: 47.553 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Tgt Ion: 96 Resp: 192858
Ion Ratio Lower Upper
96 100
61 179.5 140.9 211.3
98 64.2 50.0 75.0





#13

Acrolein

Concen: 171.184 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

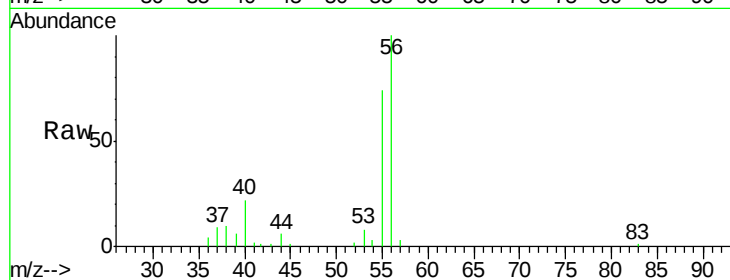
VSTDCCC050EC

Tot Ion: 56 Resp: 41110

Ion Ratio Lower Upper

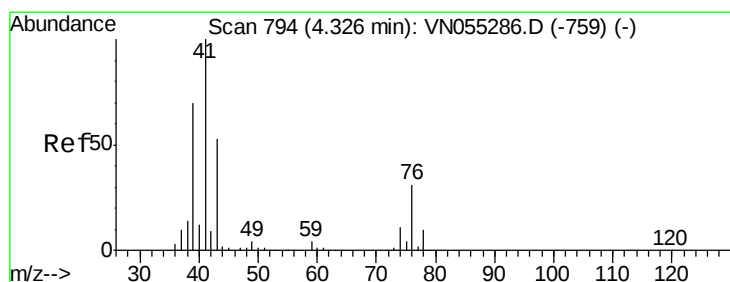
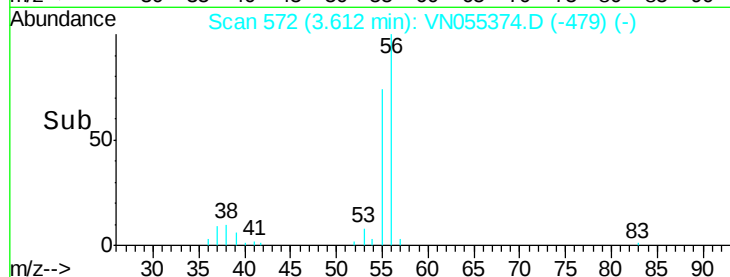
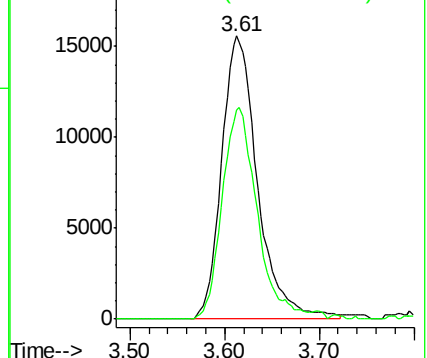
56 100

55 72.7 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.486 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

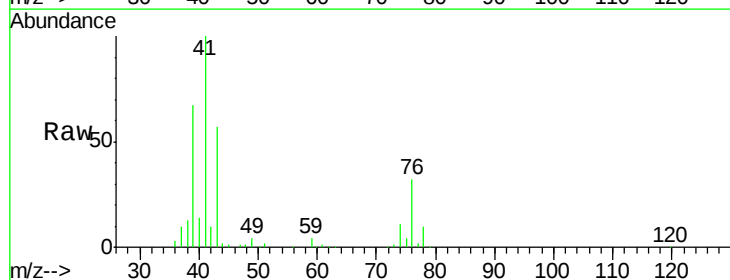
Tgt Ion: 41 Resp: 398862

Ion Ratio Lower Upper

41 100

39 65.8 53.0 79.6

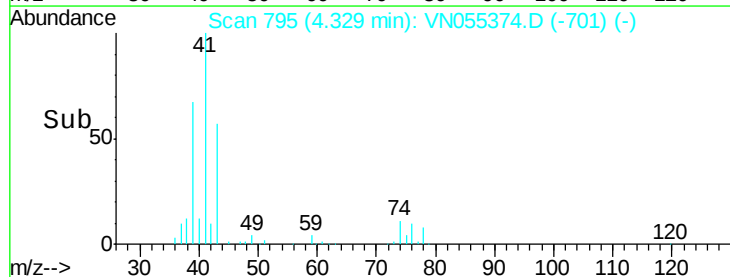
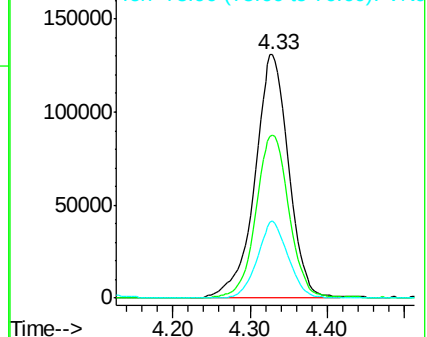
76 28.7 22.7 34.1

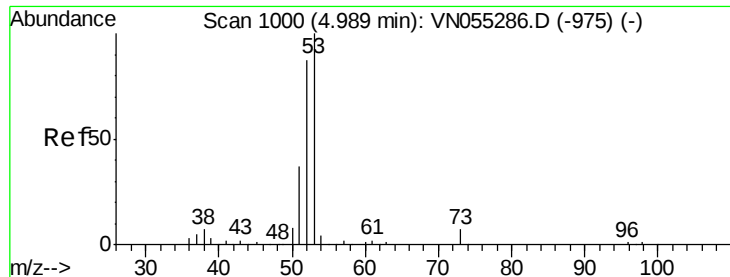


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 251.699 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

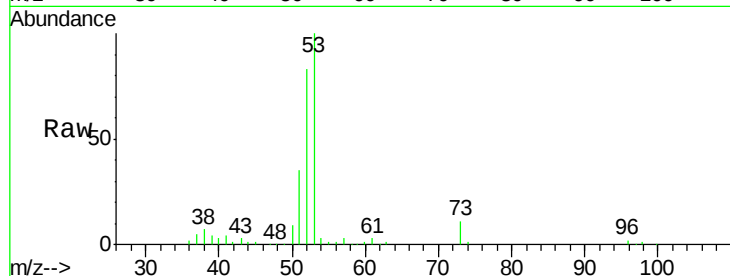
Tot Ion: 53 Resp: 435052

Ion Ratio Lower Upper

53 100

52 83.1 66.5 99.7

51 35.7 29.6 44.4

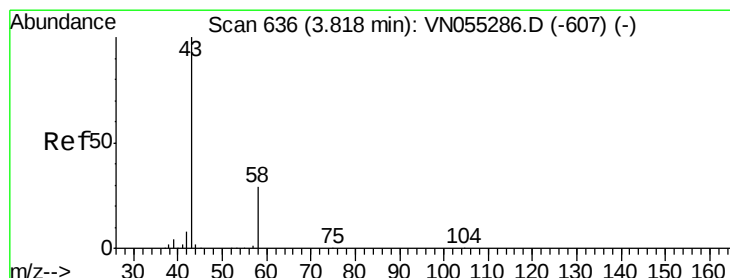
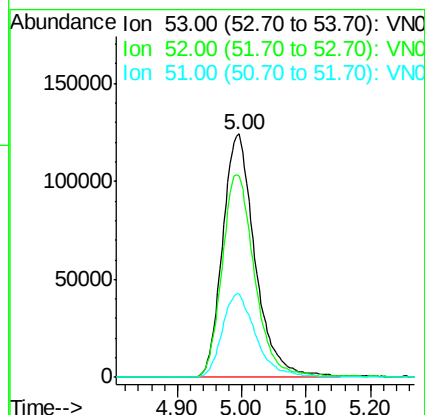
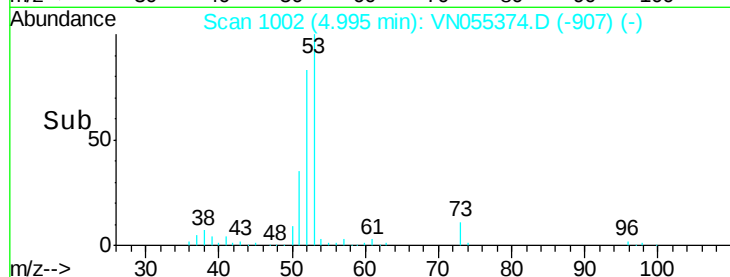


Abundance Ion 53.00 (52.70 to 53.70): VN055286.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN055286.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN055286.D (-975) (-)

Time-->



#16

Acetone

Concen: 191.268 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055374.D

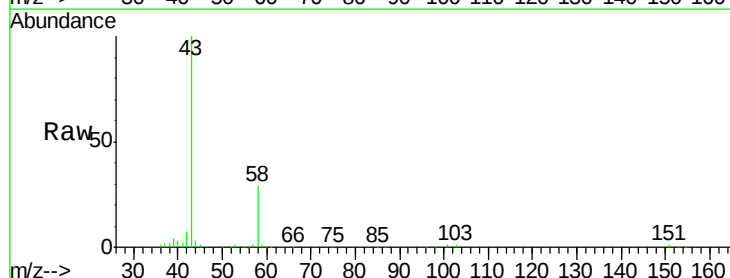
Acq: 3 May 2019 3:12

Tgt Ion: 43 Resp: 320095

Ion Ratio Lower Upper

43 100

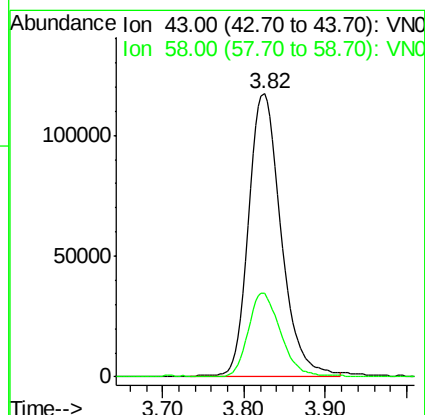
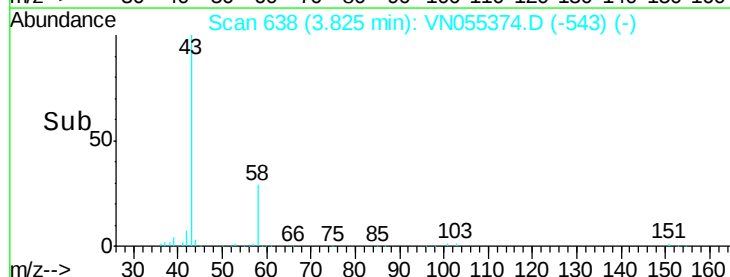
58 29.2 23.6 35.4

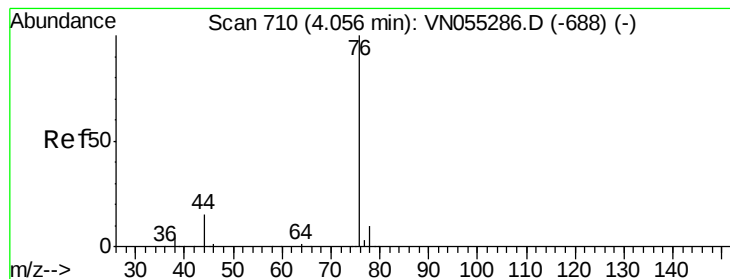


Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-607) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-607) (-)

Time-->





#17

Carbon Disulfide

Concen: 42.240 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

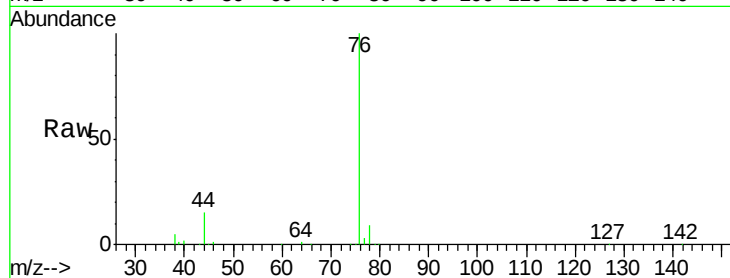
VSTDCCC050EC

Tot Ion: 76 Resp: 447070

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

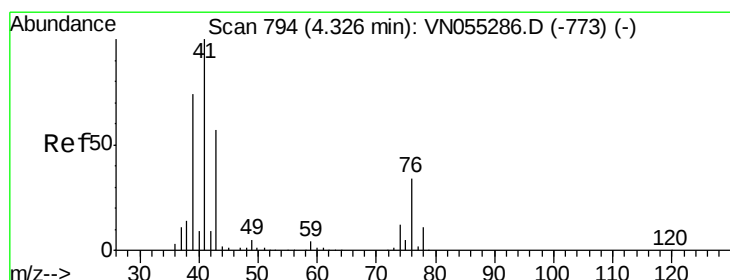
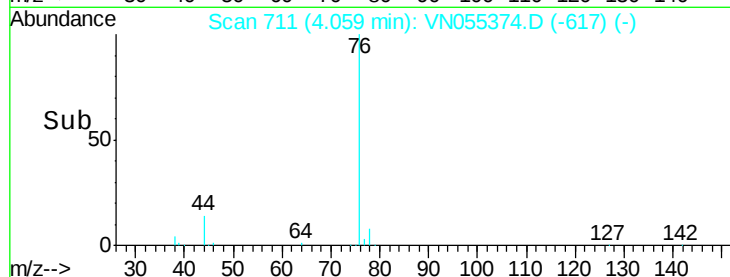
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 54.220 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055374.D

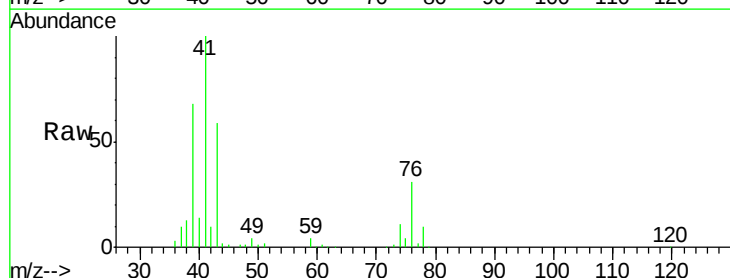
Acq: 3 May 2019 3:12

Tgt Ion: 43 Resp: 220688

Ion Ratio Lower Upper

43 100

74 19.1 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

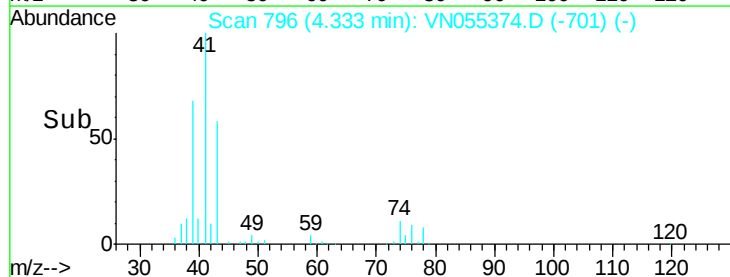
60000

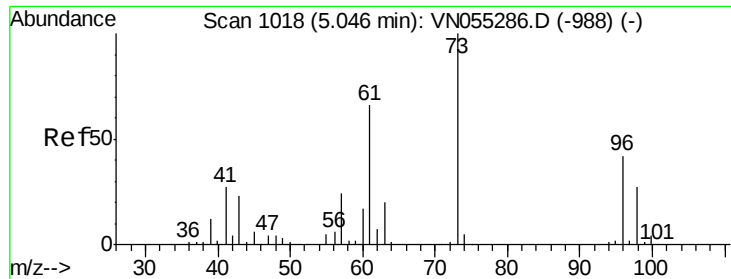
40000

20000

0

Time-->

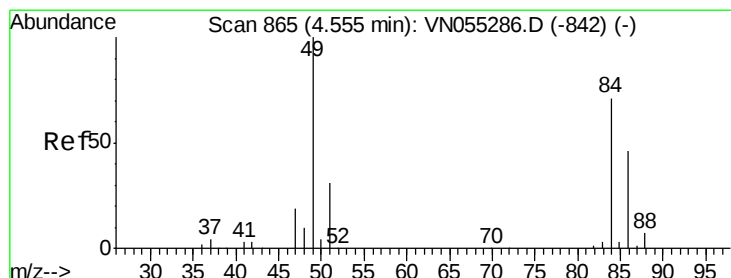
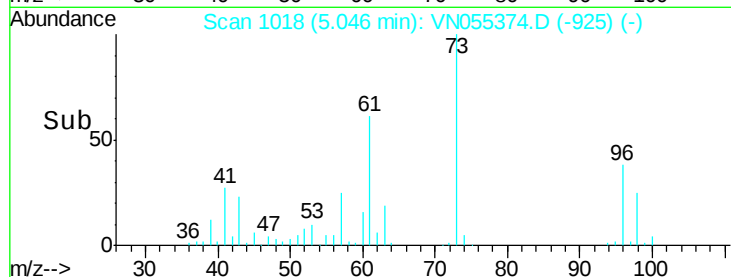
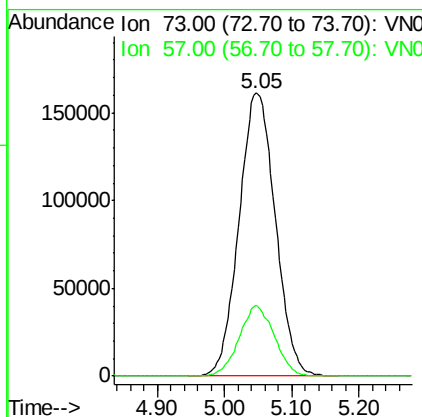
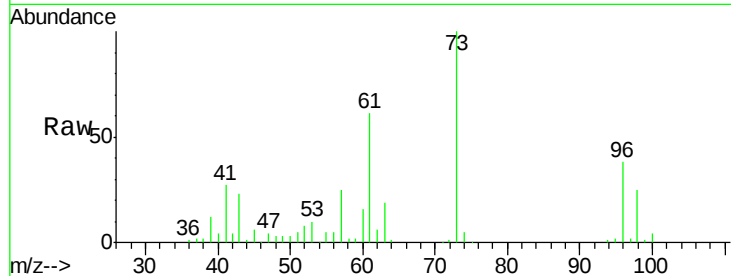




#19
Methvl tert-butvl Ether
Concen: 53.022 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

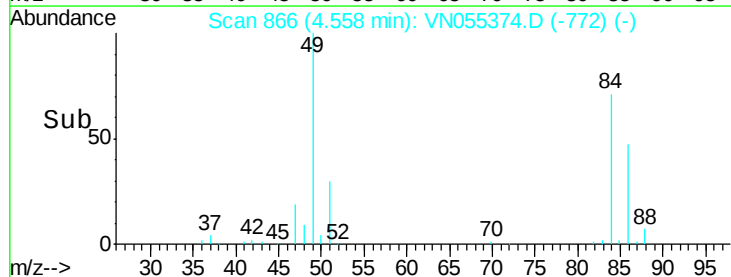
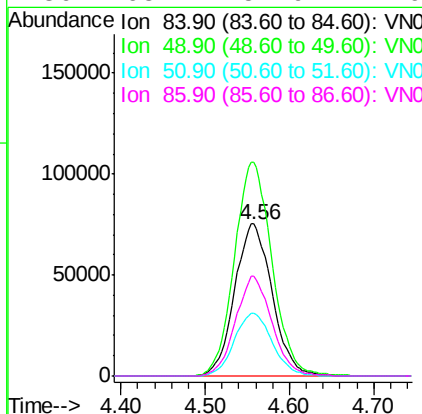
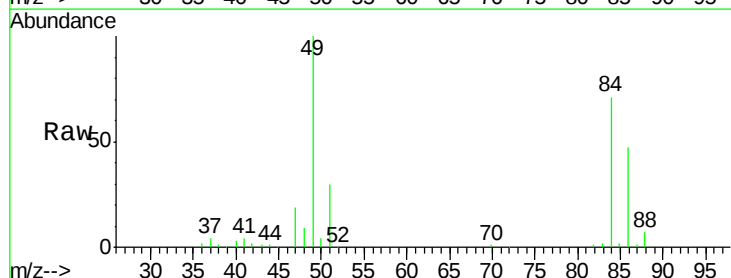
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

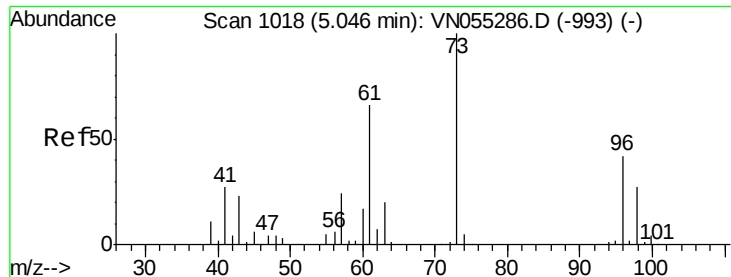
Tot Ion: 73 Resp: 604521
Ion Ratio Lower Upper
73 100
57 25.0 19.1 28.7



#20
Methylene Chloride
Concen: 45.596 ug/l
RT: 4.56 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Tgt Ion: 84 Resp: 232913
Ion Ratio Lower Upper
84 100
49 140.3 112.4 168.6
51 41.6 34.6 51.8
86 65.7 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 47.076 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

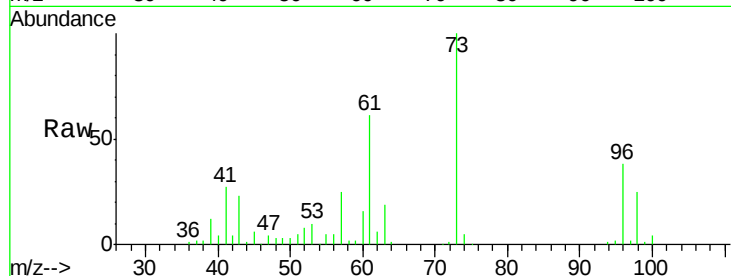
Tot Ion: 96 Resp: 202199

Ion Ratio Lower Upper

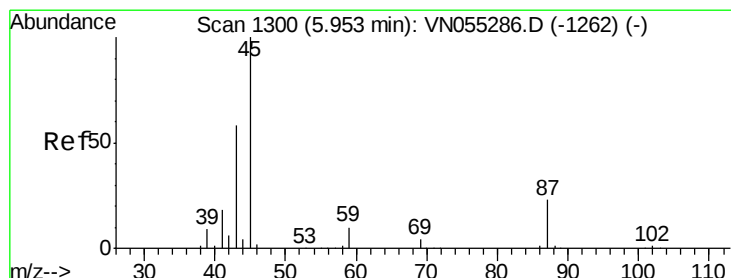
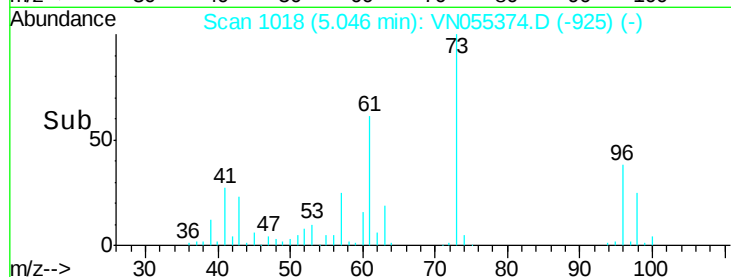
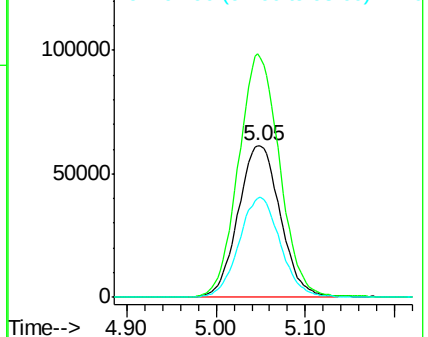
96 100

61 160.1 126.2 189.4

98 65.3 52.2 78.2



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



#22

Diisopropyl ether

Concen: 51.922 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Tgt Ion: 45 Resp: 866530

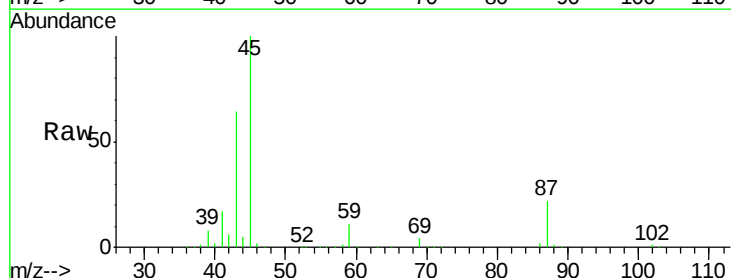
Ion Ratio Lower Upper

45 100

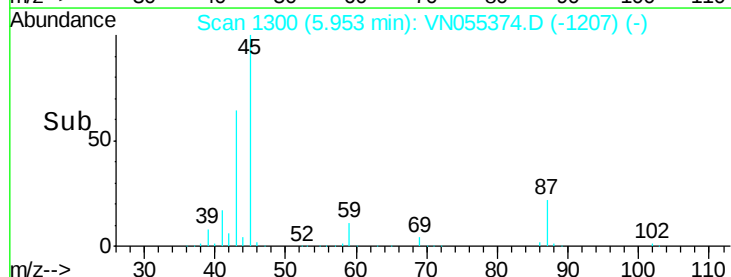
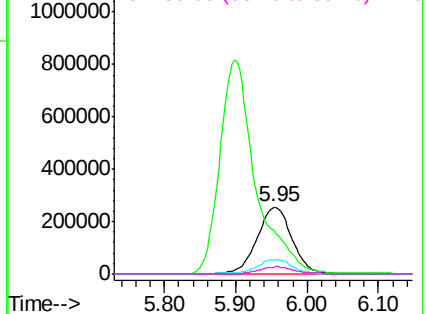
43 63.9 46.6 70.0

87 21.7 18.1 27.1

59 10.3 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 261.517 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

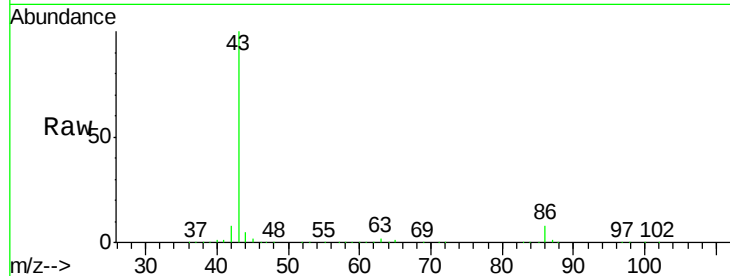
VSTDCCC050EC

Tot Ion: 43 Resp: 2860489

Ion Ratio Lower Upper

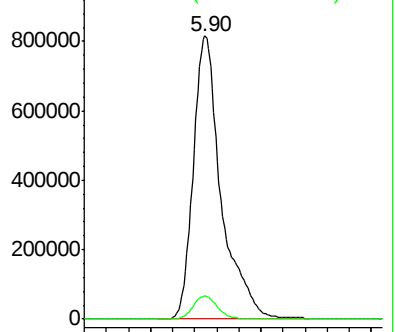
43 100

86 8.1 6.6 10.0

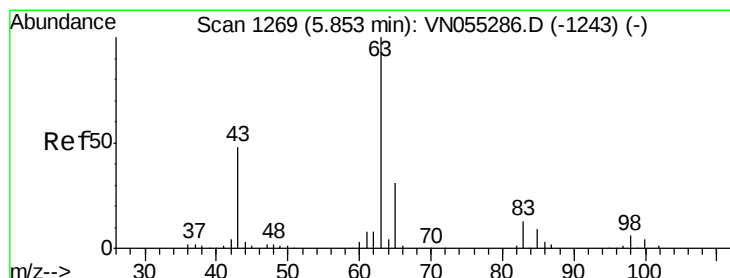
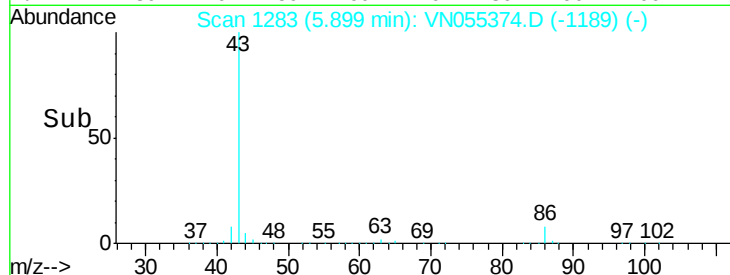


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



Time-->



#24

1,1-Dichloroethane

Concen: 49.576 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

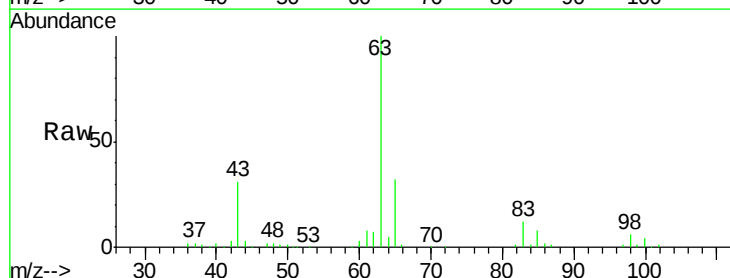
Tgt Ion: 63 Resp: 440844

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

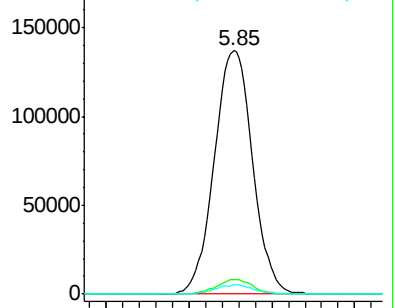
100 3.6 1.8 5.4



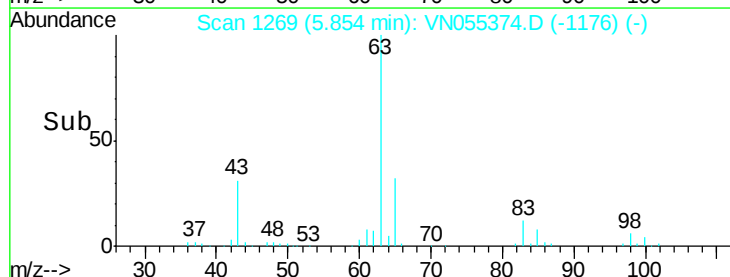
Abundance Ion 62.90 (62.60 to 63.60): VNO

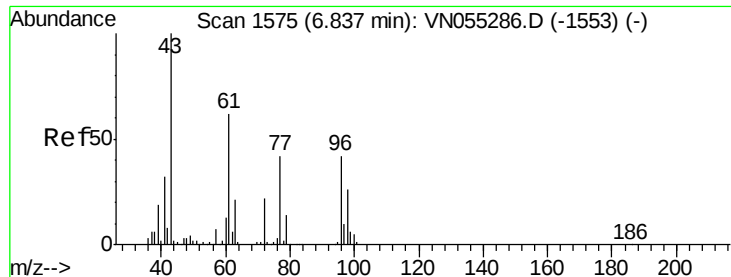
Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO



Time-->





#25

2-Butanone

Concen: 238.221 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

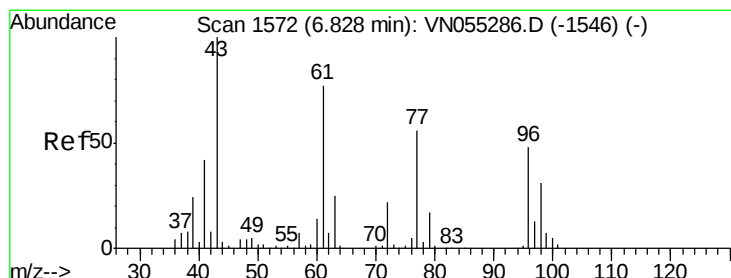
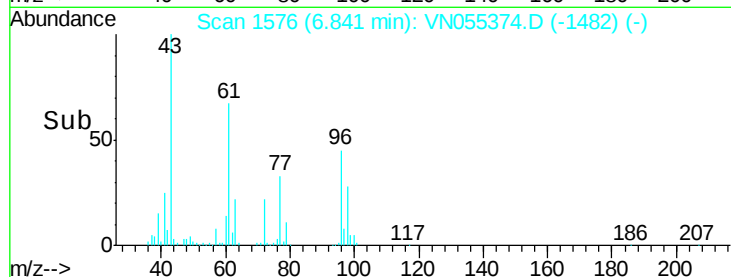
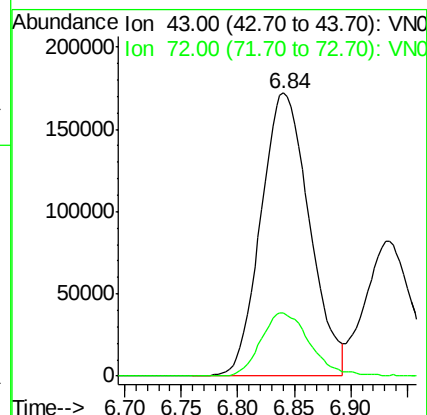
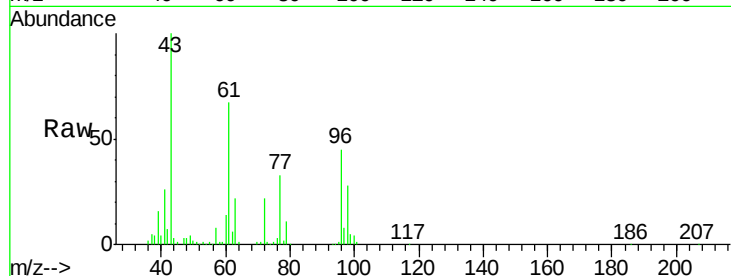
VSTDCCC050EC

Tot Ion: 43 Resp: 509850

Ion Ratio Lower Upper

43 100

72 22.2 18.0 27.0



#26

2,2-Dichloropropane

Concen: 35.053 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055374.D

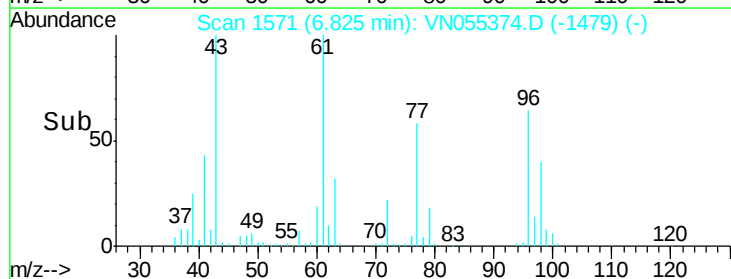
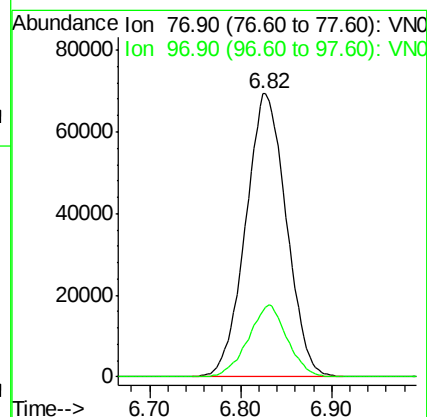
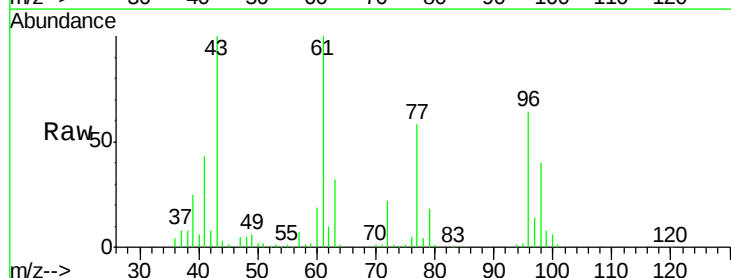
Acq: 3 May 2019 3:12

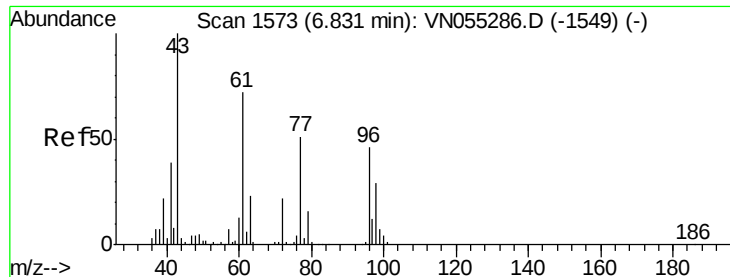
Tgt Ion: 77 Resp: 215237

Ion Ratio Lower Upper

77 100

97 24.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 50.189 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

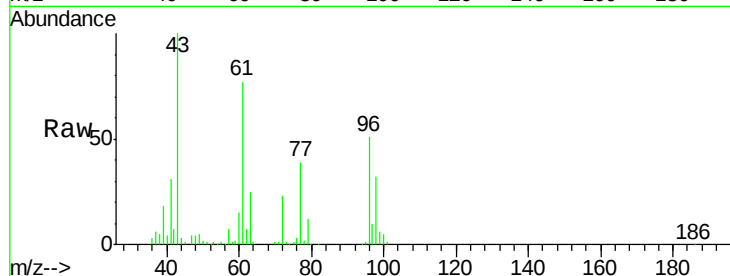
Tot Ion: 96 Resp: 245147

Ion Ratio Lower Upper

96 100

61 152.8 0.0 316.2

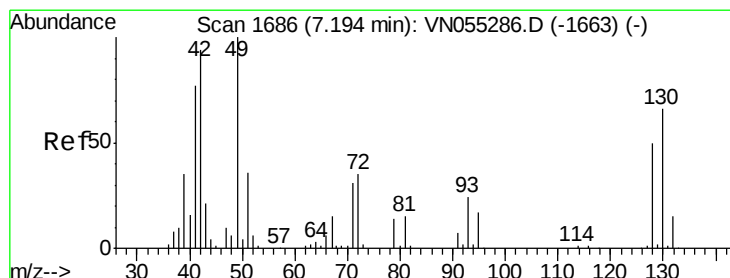
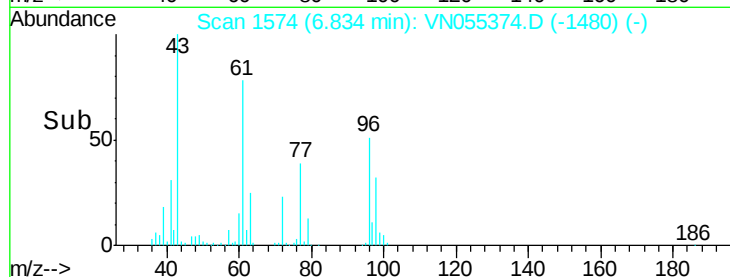
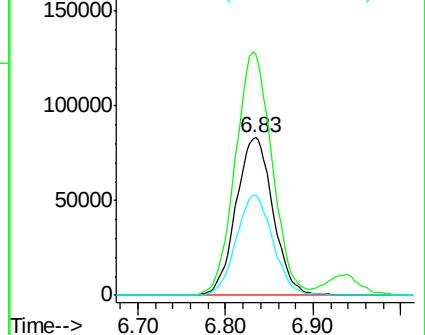
98 62.9 0.0 126.6



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: 48.313 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

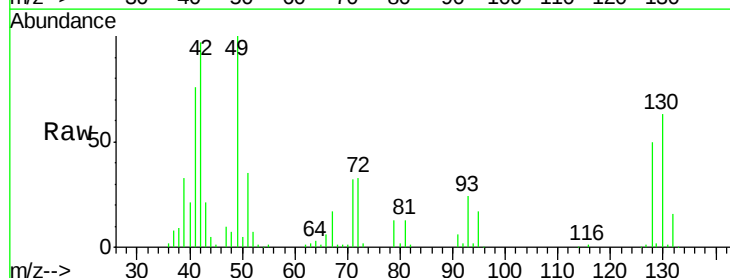
Tgt Ion: 49 Resp: 216549

Ion Ratio Lower Upper

49 100

129 1.7 0.0 2.4

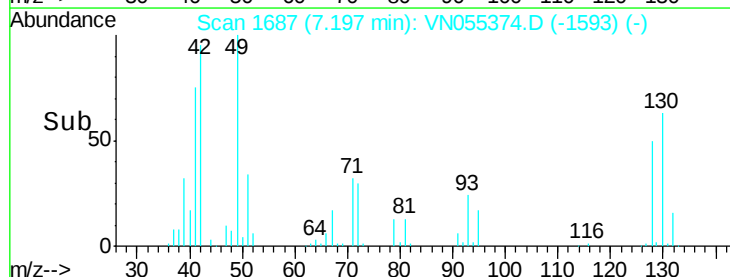
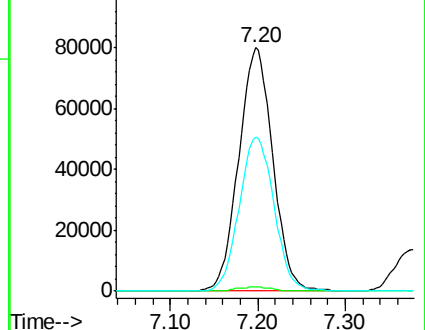
130 64.6 52.0 78.0

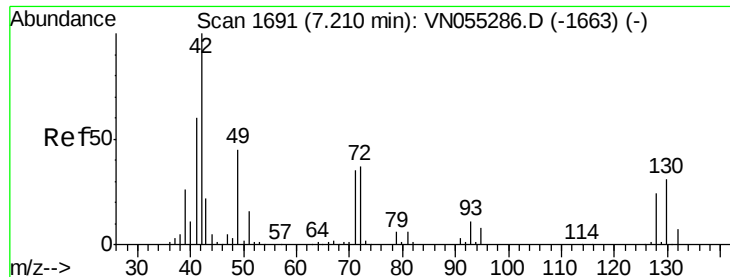


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

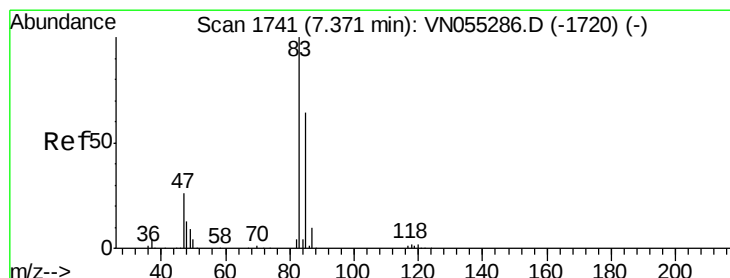
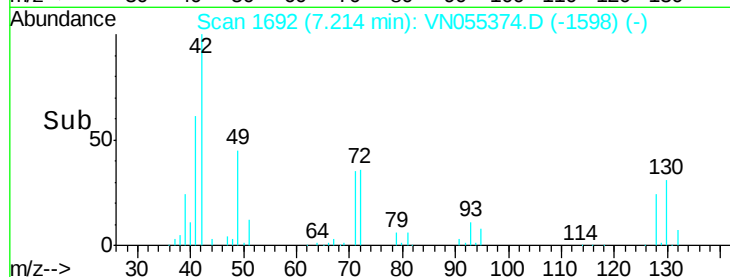
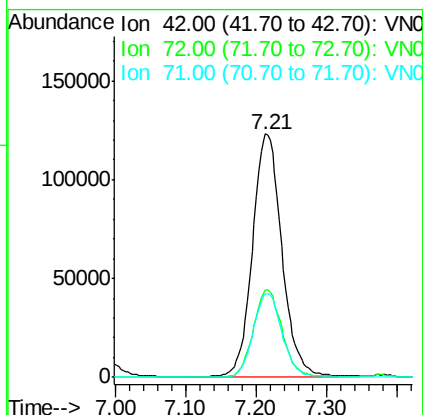
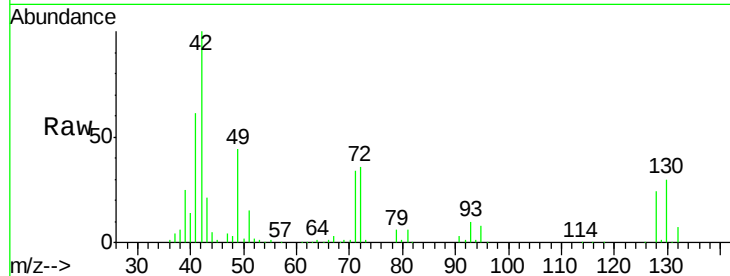




#29
Tetrahydrofuran
Concen: 260.515 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

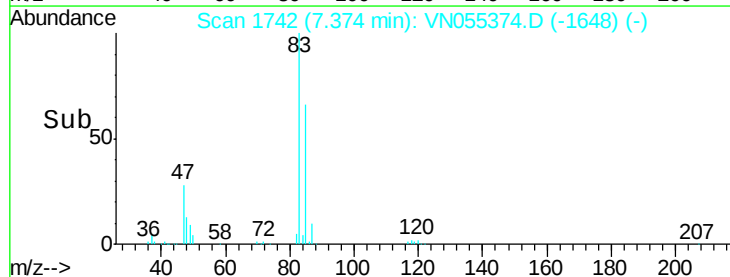
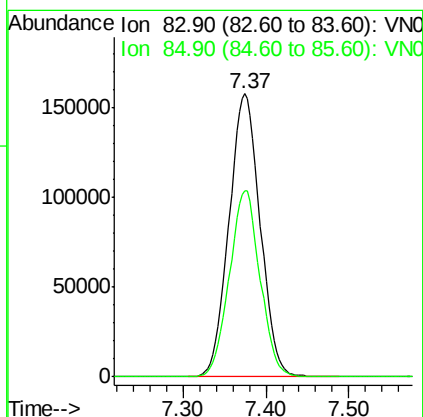
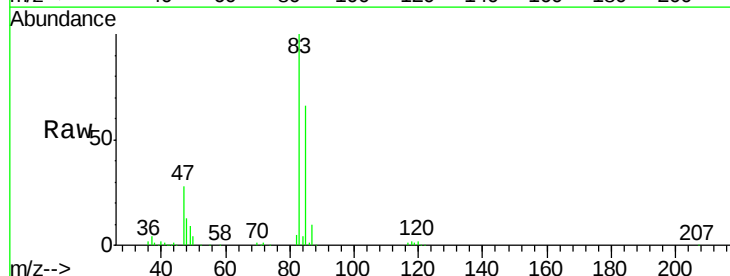
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

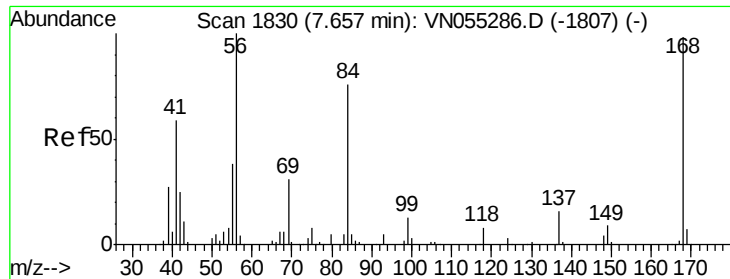
Tot Ion: 42 Resp: 357025
Ion Ratio Lower Upper
42 100
72 35.2 29.0 43.6
71 33.9 27.1 40.7



#30
Chloroform
Concen: 48.905 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Tgt Ion: 83 Resp: 412241
Ion Ratio Lower Upper
83 100
85 65.8 51.4 77.2

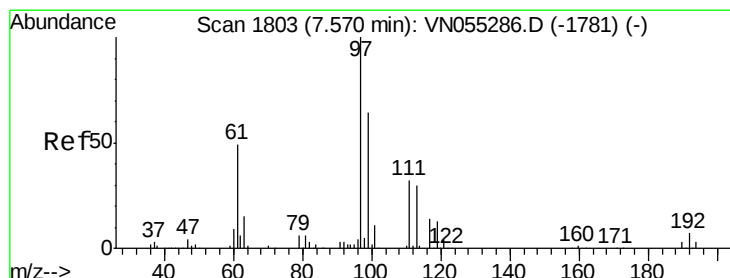
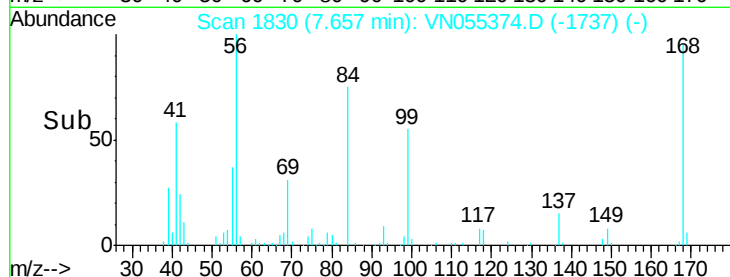
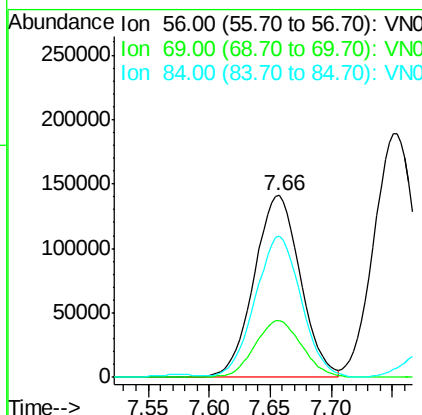
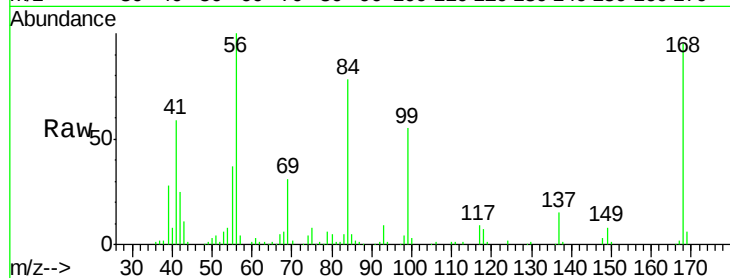




#31
Cyclohexane
Concen: 44.051 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

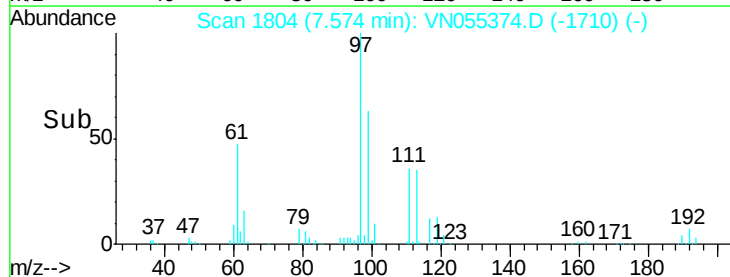
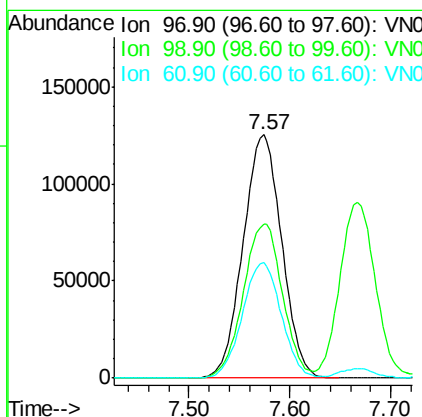
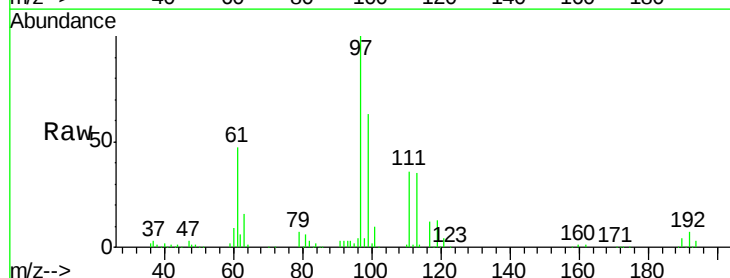
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

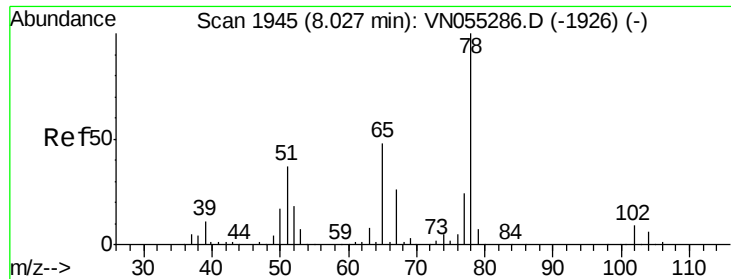
Tot Ion: 56 Resp: 372163
Ion Ratio Lower Upper
56 100
69 31.3 25.2 37.8
84 76.2 61.1 91.7



#32
1,1,1-Trichloroethane
Concen: 48.645 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Tgt Ion: 97 Resp: 332796
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.8
61 47.7 39.0 58.6

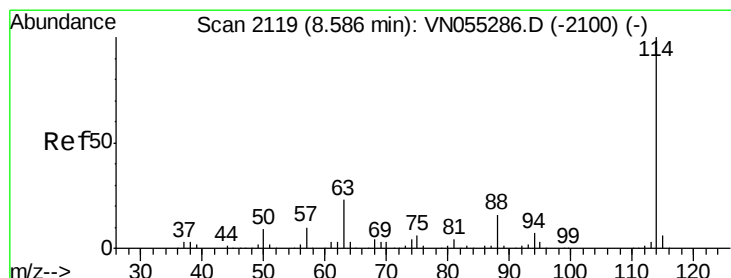
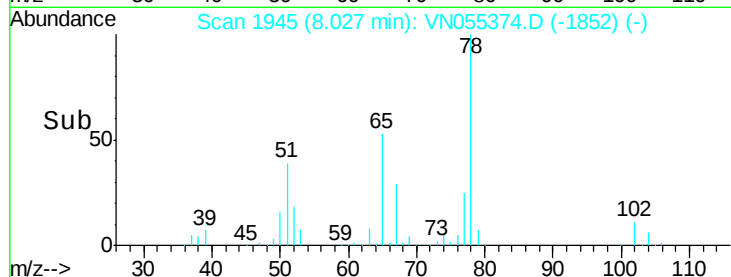
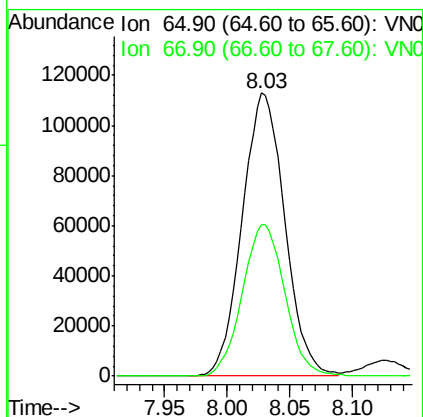
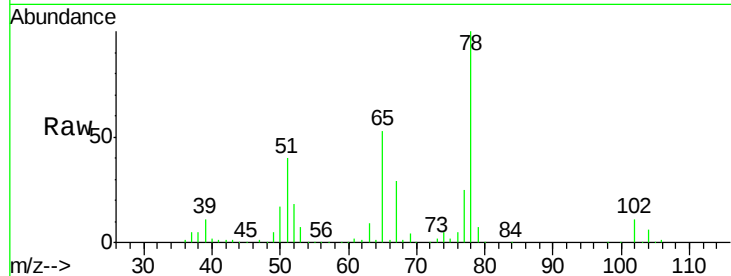




#33
 1,2-Dichloroethane-d4
 Concen: 49.529 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055374.D
 Acq: 3 May 2019 3:12

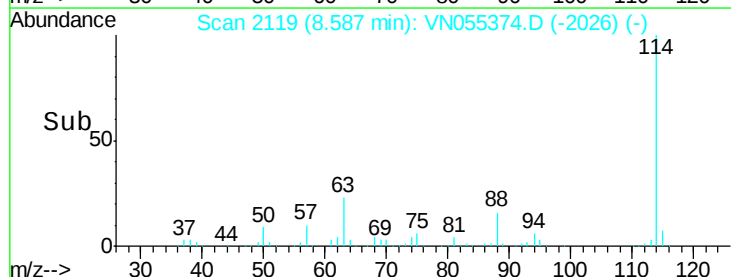
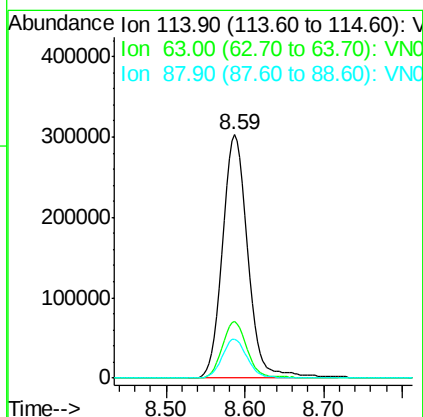
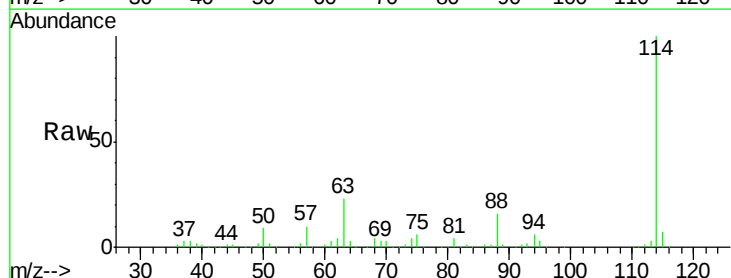
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

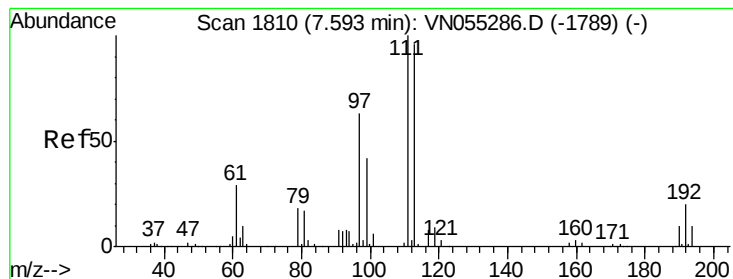
Tot Ion: 65 Resp: 266022
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055374.D
 Acq: 3 May 2019 3:12

Tgt Ion: 114 Resp: 673105
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.2
 88 16.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.734 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

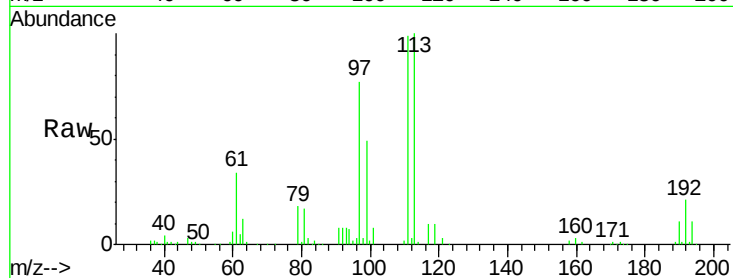
Tot Ion:113 Resp: 215307

Ion Ratio Lower Upper

113 100

111 101.8 82.3 123.5

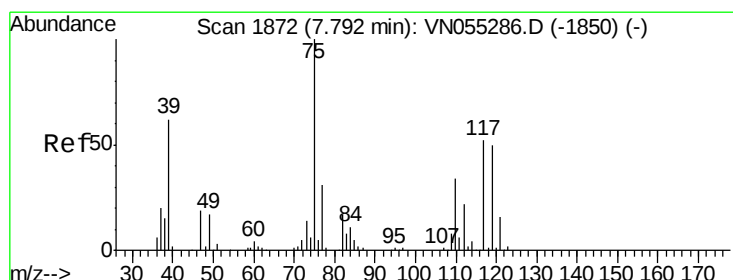
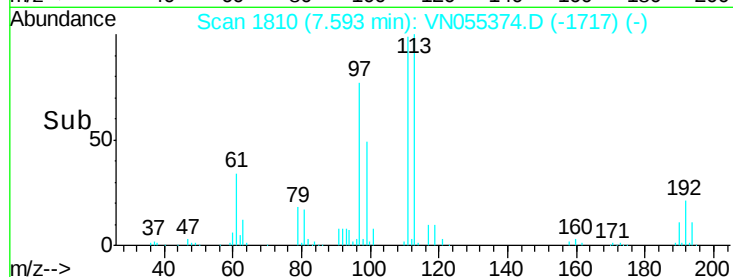
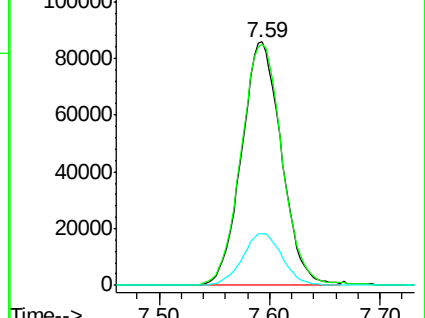
192 21.3 17.0 25.6



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: 46.541 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

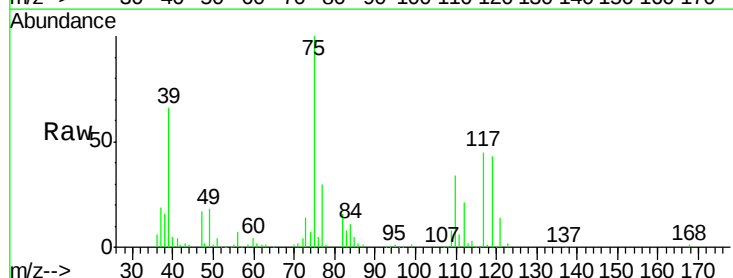
Tgt Ion: 75 Resp: 300062

Ion Ratio Lower Upper

75 100

110 33.0 16.8 50.4

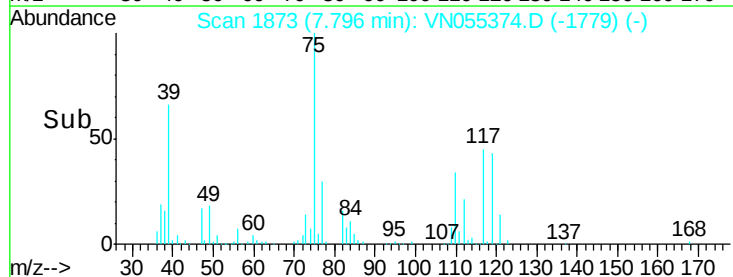
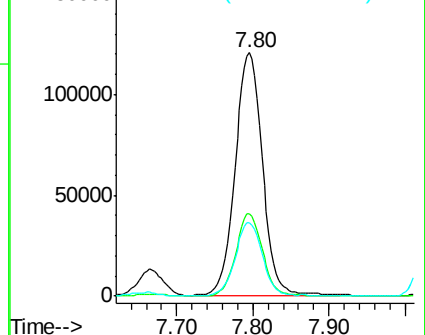
77 30.4 25.0 37.6

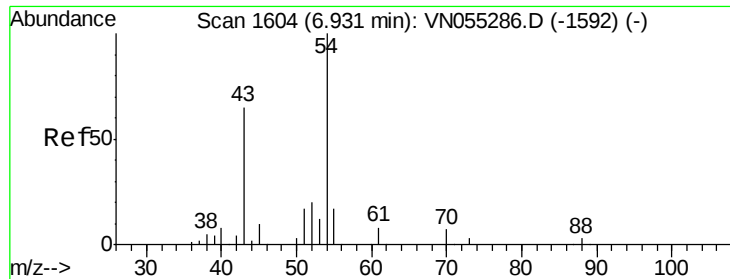


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

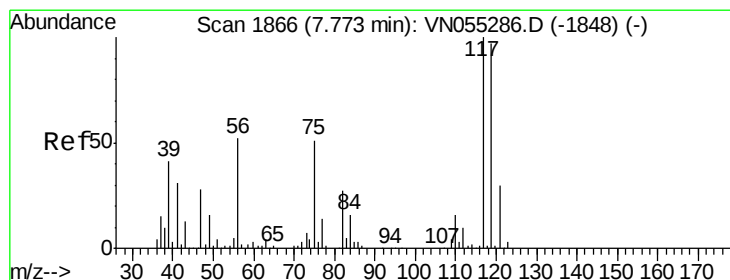
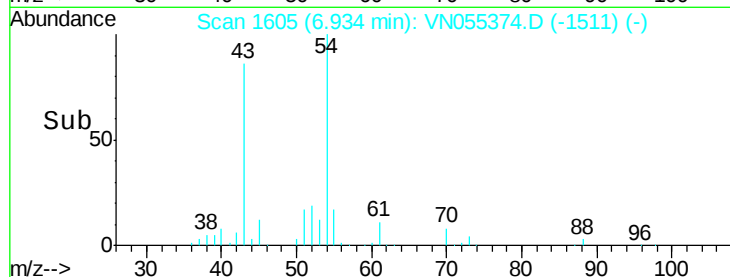
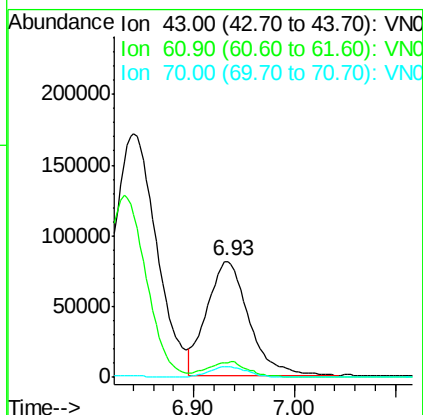
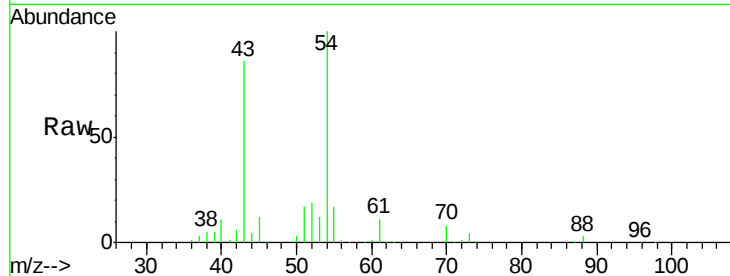




#37
Ethyl Acetate
Concen: 47.612 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

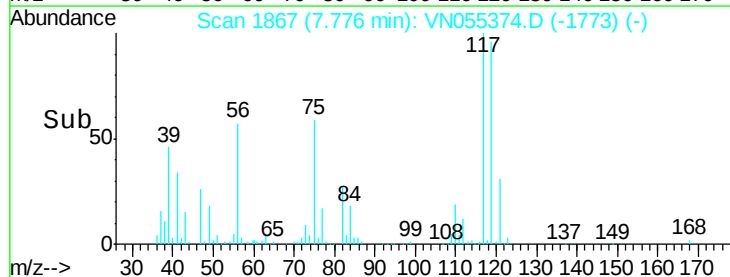
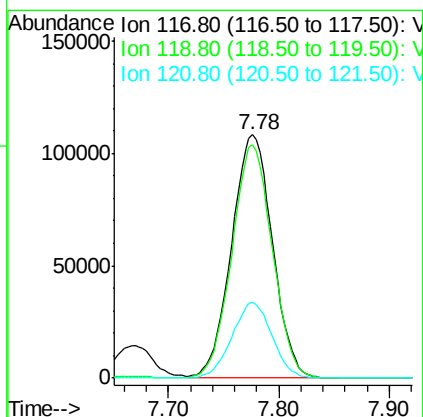
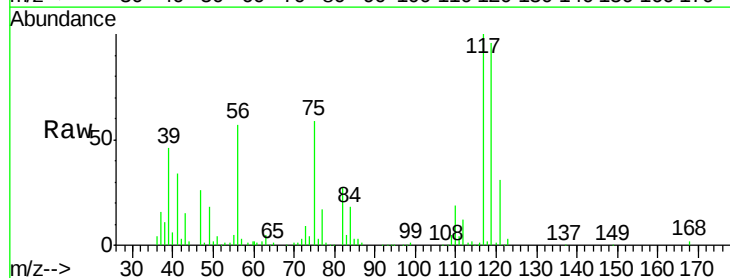
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

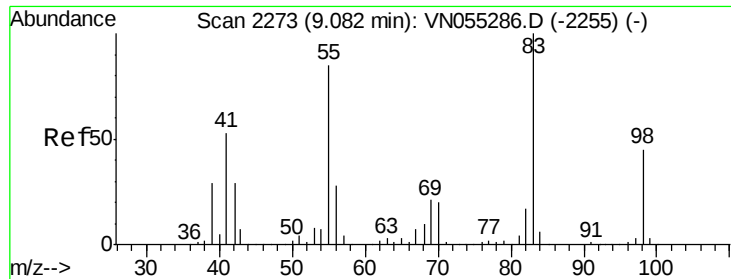
Tot Ion: 43 Resp: 235266
Ion Ratio Lower Upper
43 100
61 12.2 10.4 15.6
70 9.0 6.6 10.0



#38
Carbon Tetrachloride
Concen: 44.776 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Tgt Ion: 117 Resp: 278477
Ion Ratio Lower Upper
117 100
119 95.9 77.0 115.6
121 30.9 23.8 35.8

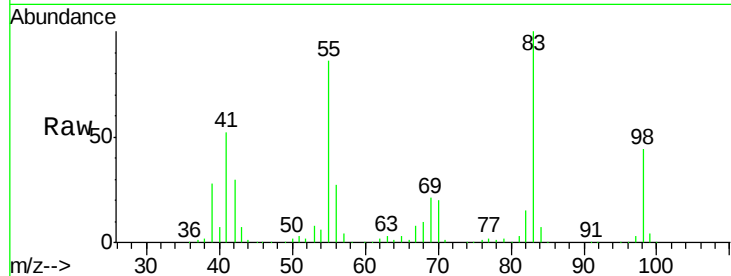




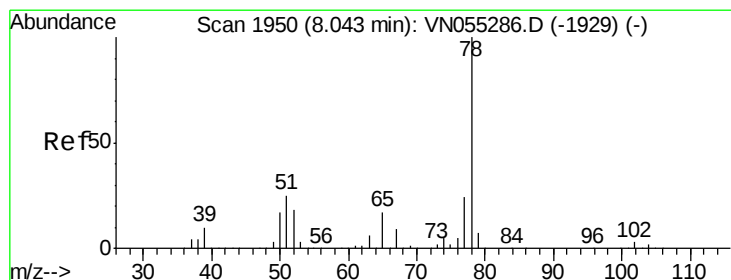
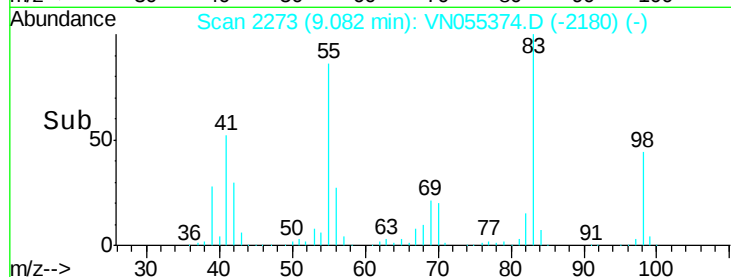
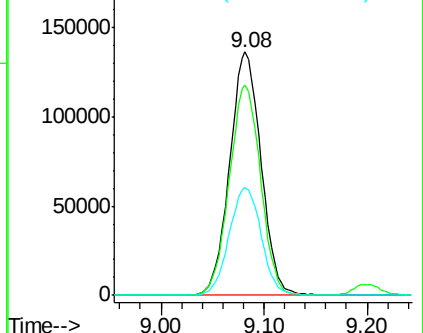
#39
Methvlcvclohexane
Concen: 42.137 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 288843
Ion Ratio Lower Upper
83 100
55 86.4 67.8 101.6
98 44.1 36.2 54.4

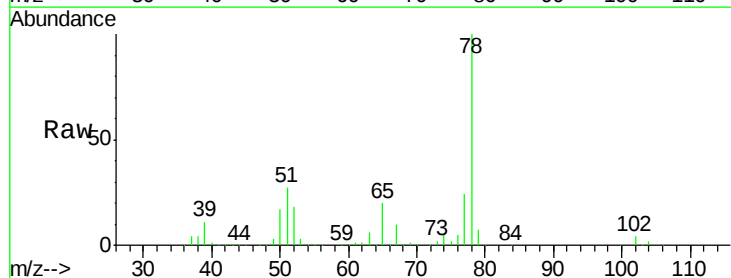


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

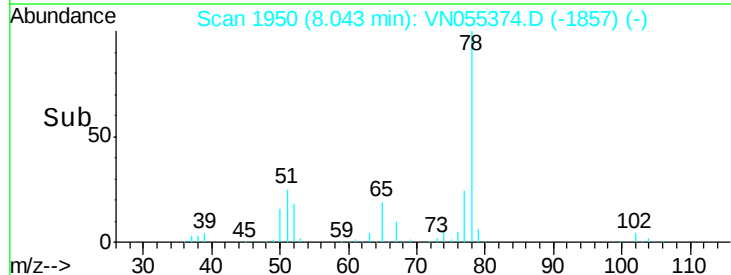
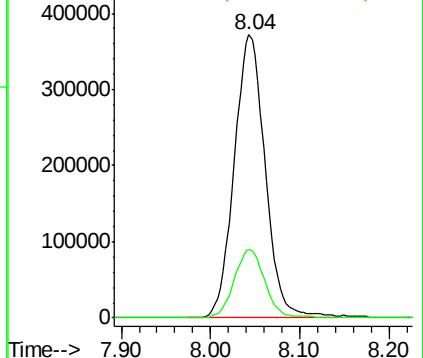


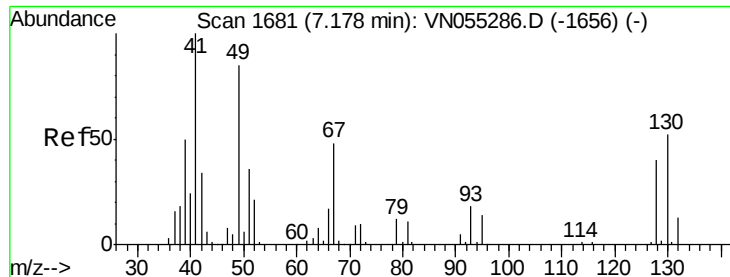
#40
Benzene
Concen: 47.214 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Tgt Ion: 78 Resp: 897358
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6



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

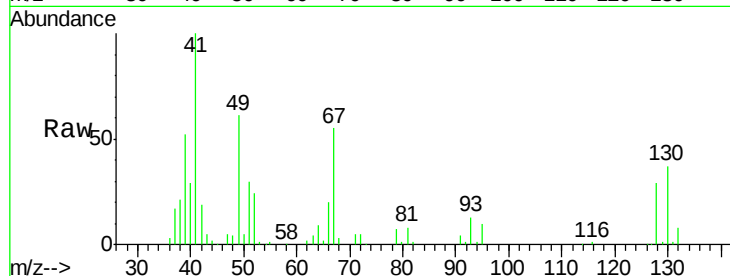




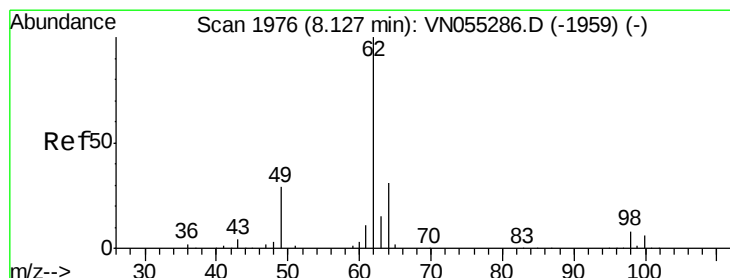
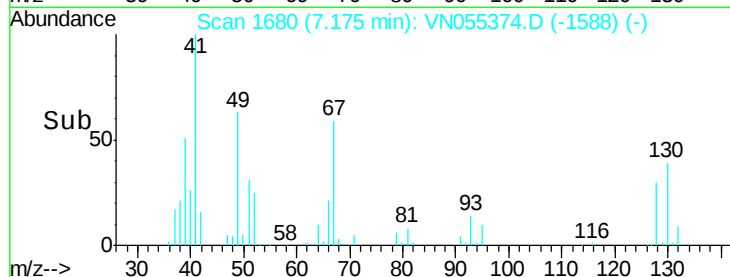
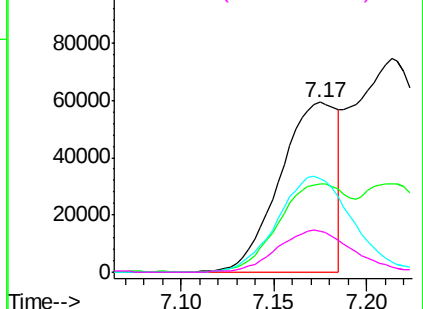
#41
Methacrylonitrile
Concen: 47.592 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	127179
Ion	Ratio	Lower	Upper
41	100		
39	64.9	48.5	72.7
67	74.6	54.9	82.3
52	33.4	24.9	37.3

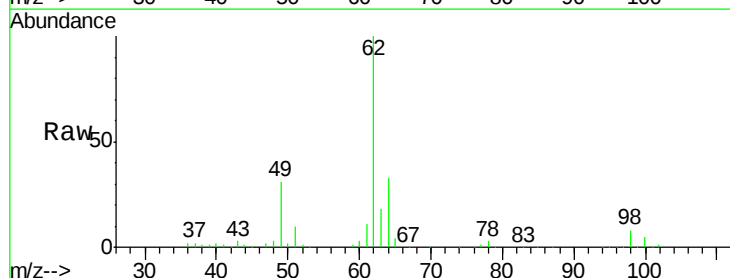


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

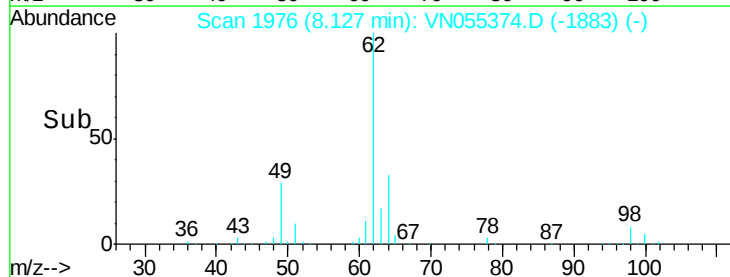
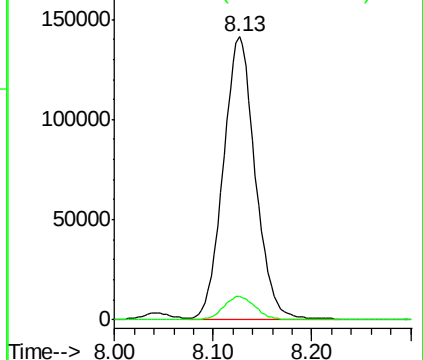


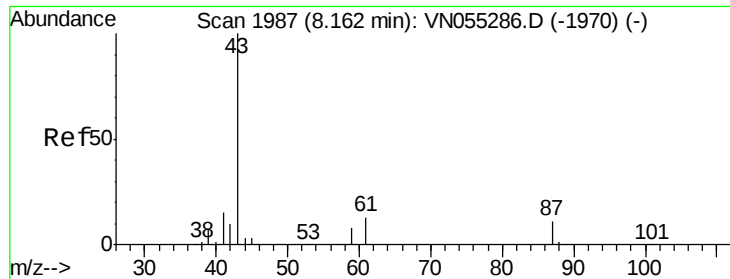
#42
1,2-Dichloroethane
Concen: 47.262 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Tgt Ion:	62	Resp:	318152
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4



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





#43

Isopropyl Acetate

Concen: 52.384 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

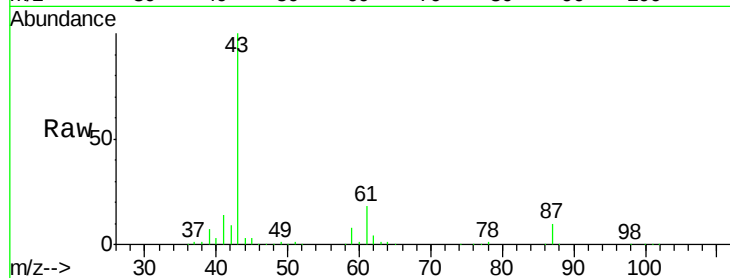
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 415982

Ion	Ratio	Lower	Upper
43	100		
61	17.9	20.8	31.2#
87	10.5	8.5	12.7

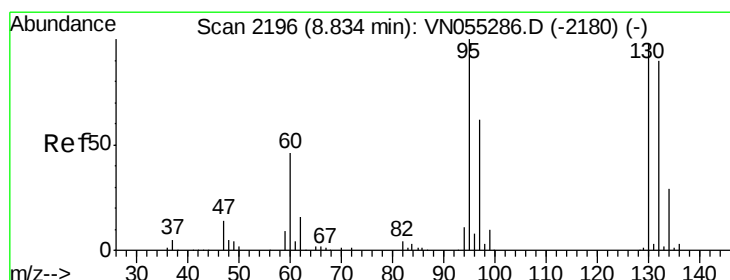
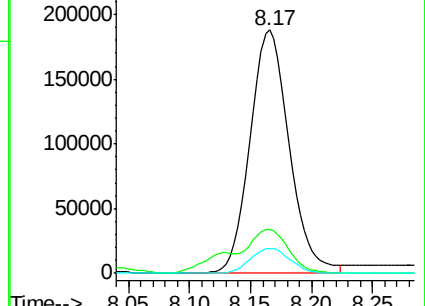
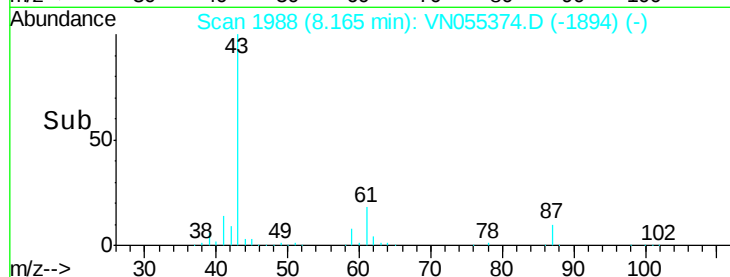


Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055286.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055286.D (-1970) (-)

Time-->



#44

Trichloroethene

Concen: 47.162 ug/l

RT: 8.84 min Scan# 2197

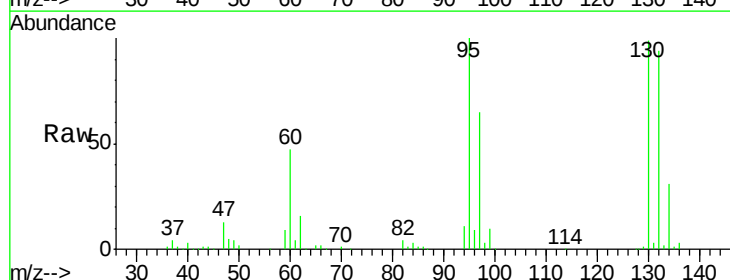
Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Tgt Ion: 130 Resp: 228511

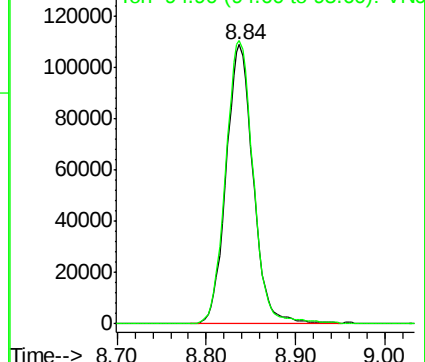
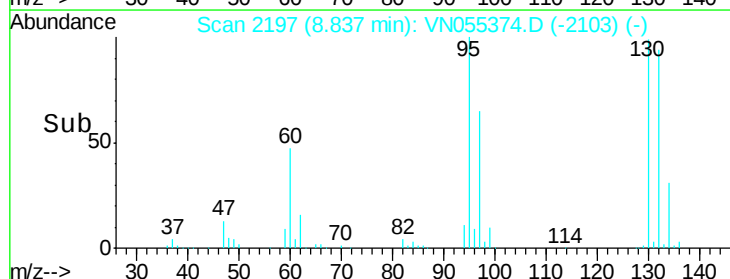
Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	203.4

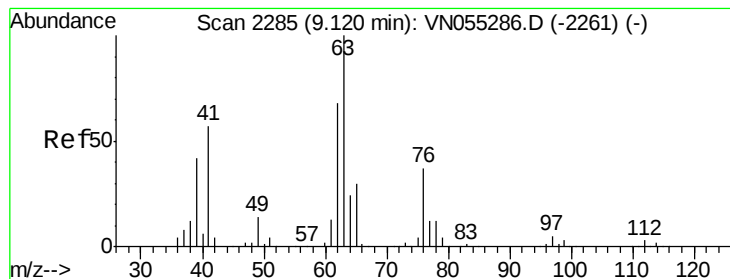


Abundance Ion 129.80 (129.50 to 130.50): VN055286.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055286.D (-2180) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 47.784 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

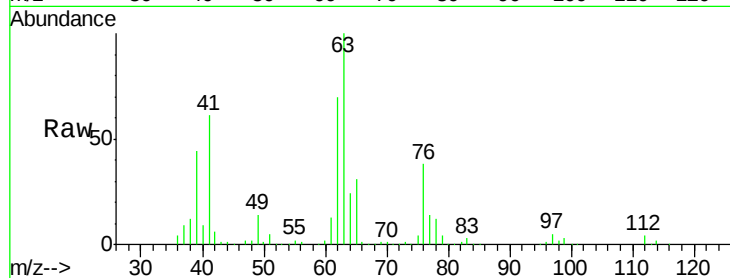
VSTDCCC050EC

Tot Ion: 63 Resp: 261938

Ion Ratio Lower Upper

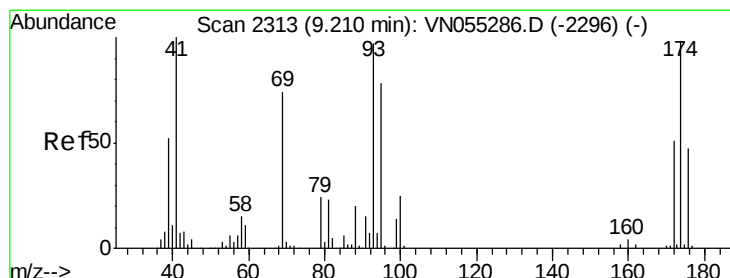
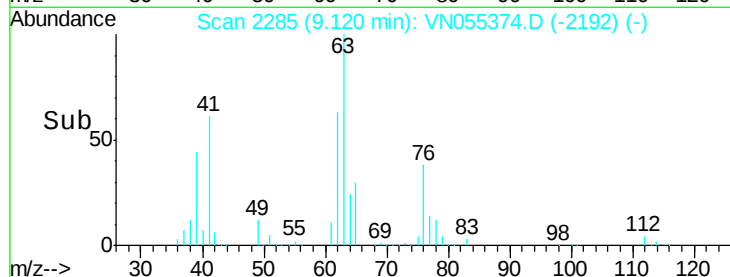
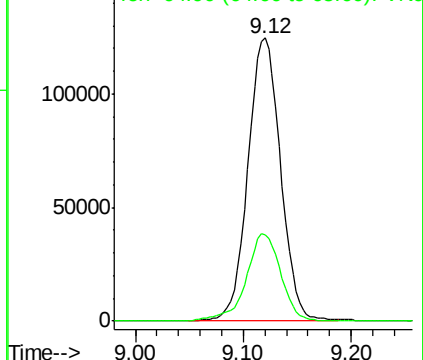
63 100

65 30.7 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 47.586 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

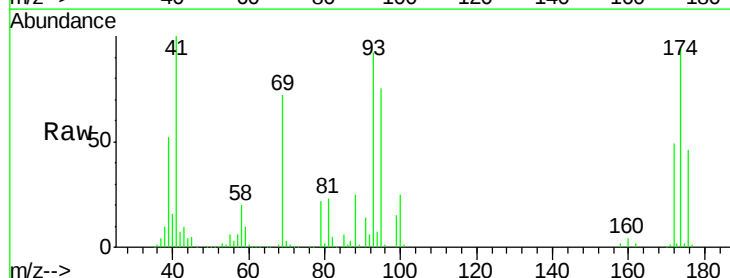
Tgt Ion: 93 Resp: 142584

Ion Ratio Lower Upper

93 100

95 81.9 65.7 98.5

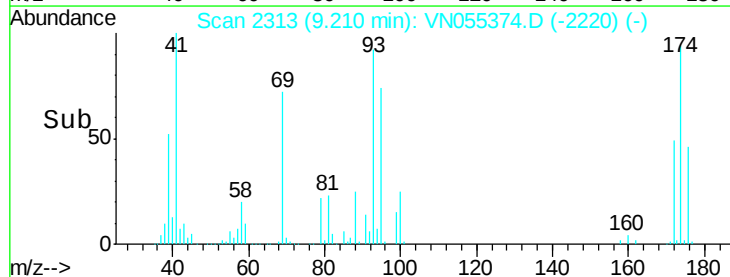
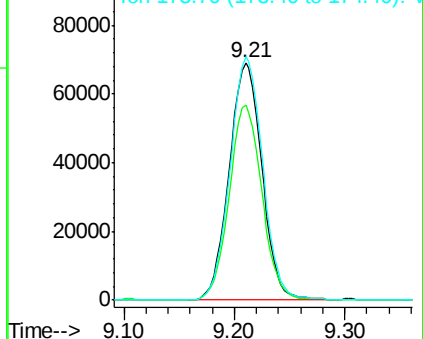
174 102.3 81.5 122.3



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.031 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

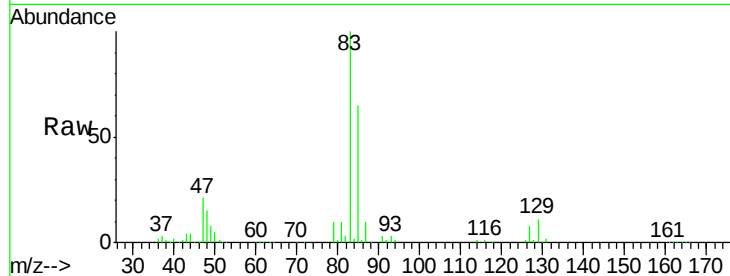
Tot Ion: 83 Resp: 308744

Ion Ratio Lower Upper

83 100

85 65.1 50.1 75.1

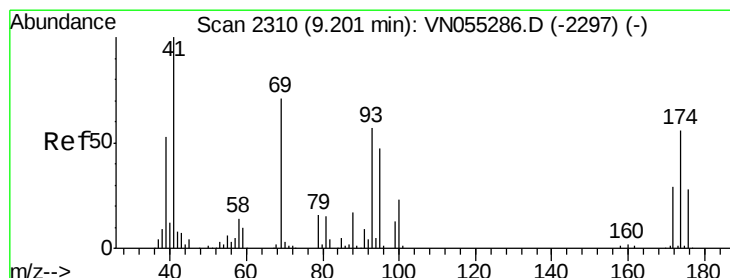
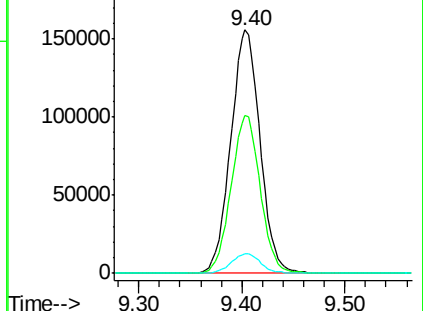
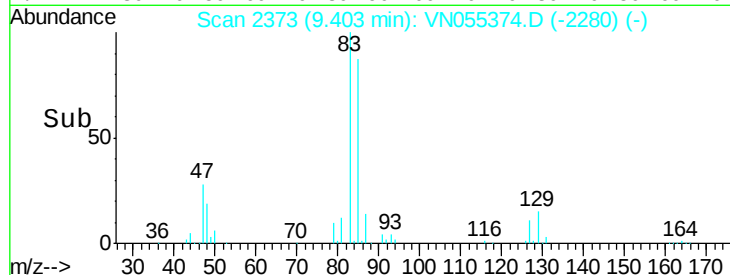
127 8.2 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055374.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055374.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055374.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.699 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

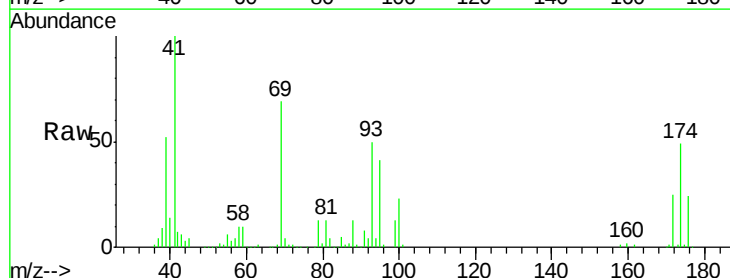
Tgt Ion: 41 Resp: 201824

Ion Ratio Lower Upper

41 100

69 73.8 58.6 87.8

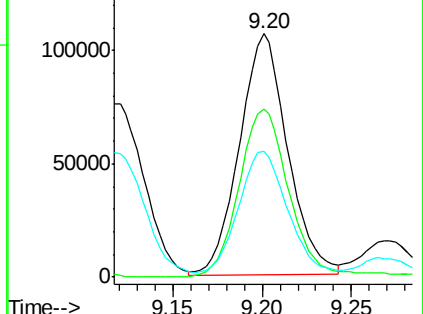
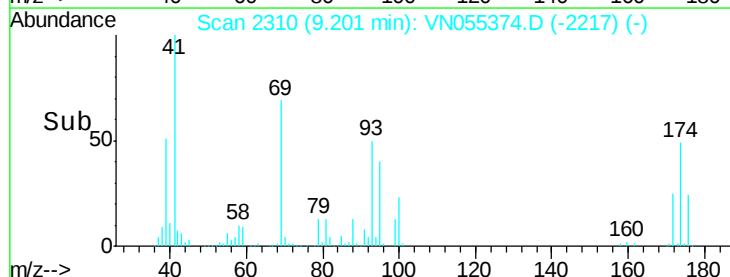
39 53.5 43.8 65.6

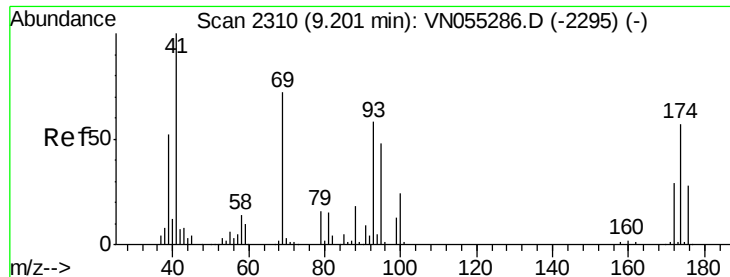


Abundance Ion 41.00 (40.70 to 41.70): VN055374.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055374.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055374.D (-2217) (-)





#49

1,4-Dioxane

Concen: 953.018 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

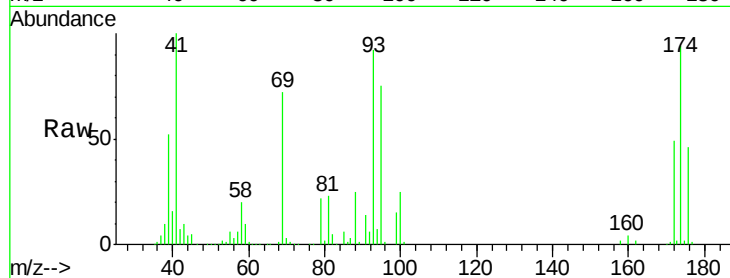
Tot Ion: 88 Resp: 38459

Ion Ratio Lower Upper

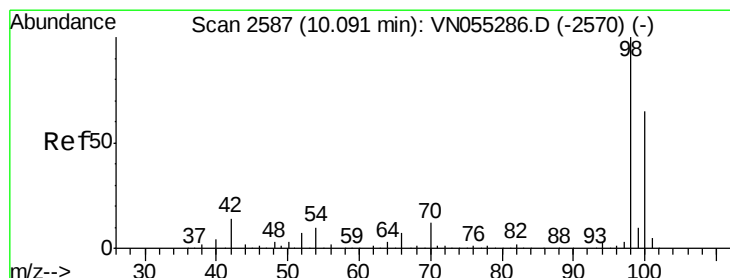
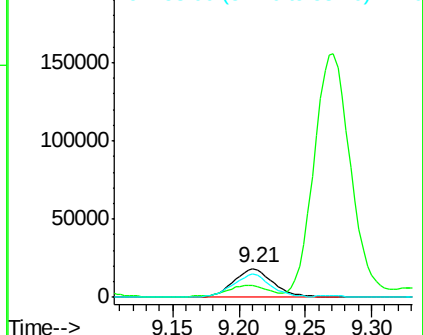
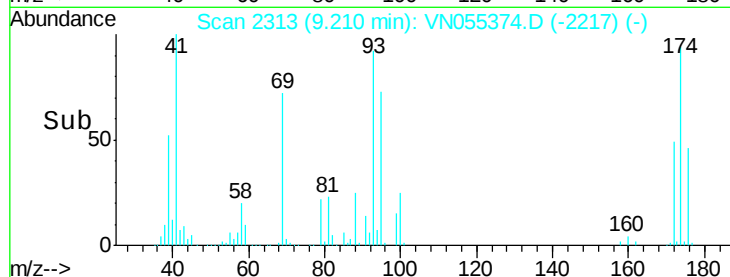
88 100

43 40.6 33.3 49.9

58 77.5 62.7 94.1



Abundance Ion 88.00 (87.70 to 88.70): VN055374.D (-2217) (-)



#50

Toluene-d8

Concen: 48.509 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055374.D

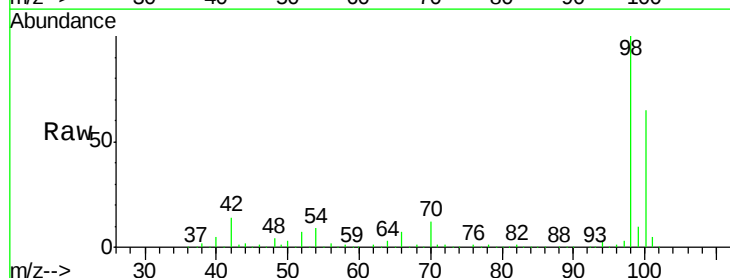
Acq: 3 May 2019 3:12

Tgt Ion: 98 Resp: 773873

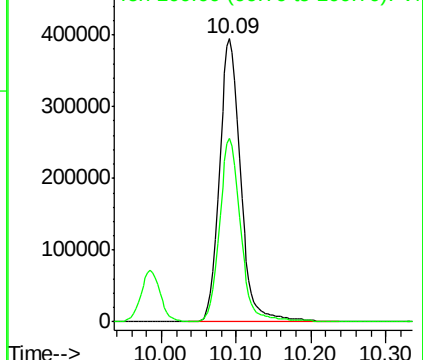
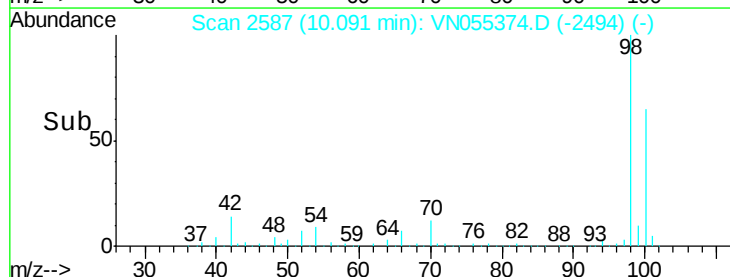
Ion Ratio Lower Upper

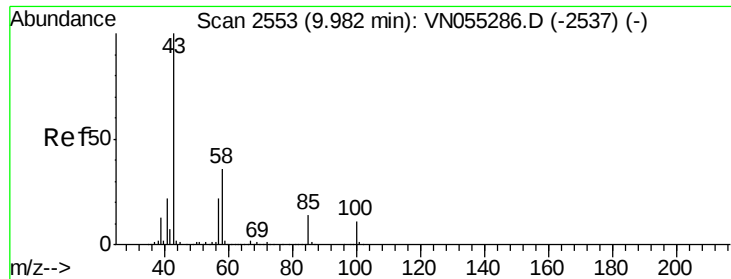
98 100

100 63.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055374.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 253.086 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

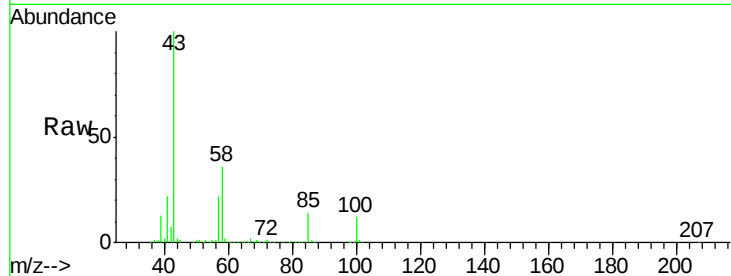
VSTDCCC050EC

Tot Ion: 43 Resp: 1131521

Ion Ratio Lower Upper

43 100

58 35.4 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

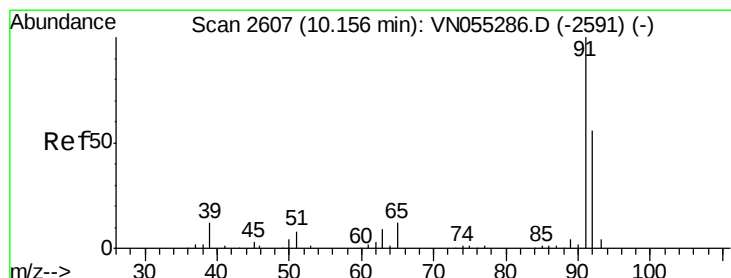
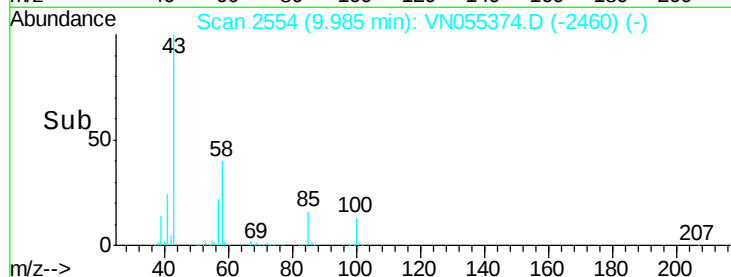
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 48.421 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055374.D

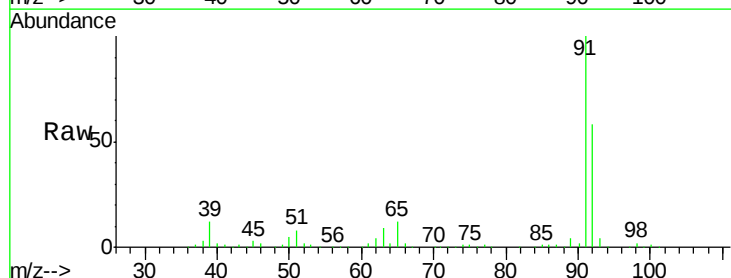
Acq: 3 May 2019 3:12

Tgt Ion: 92 Resp: 528040

Ion Ratio Lower Upper

92 100

91 172.9 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

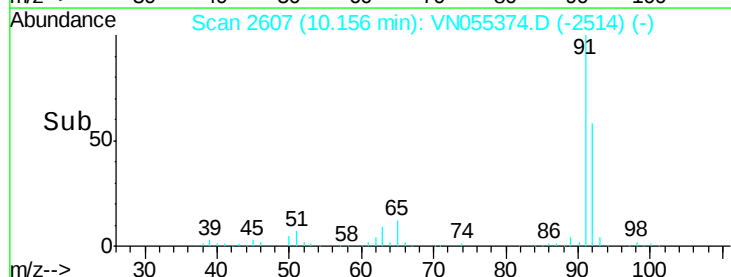
300000

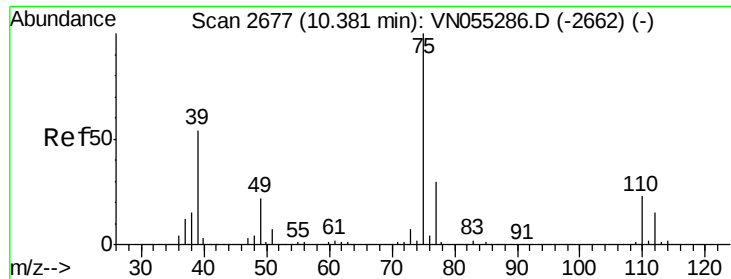
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.192 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

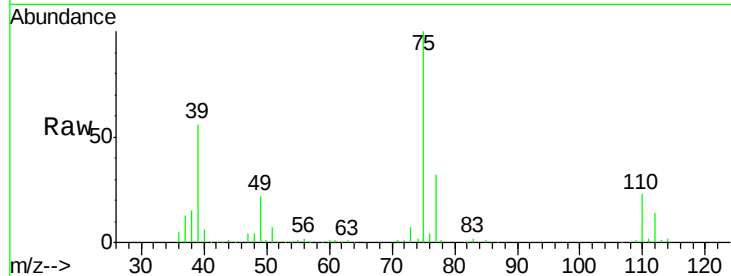
VSTDCCC050EC

Tot Ion: 75 Resp: 274503

Ion Ratio Lower Upper

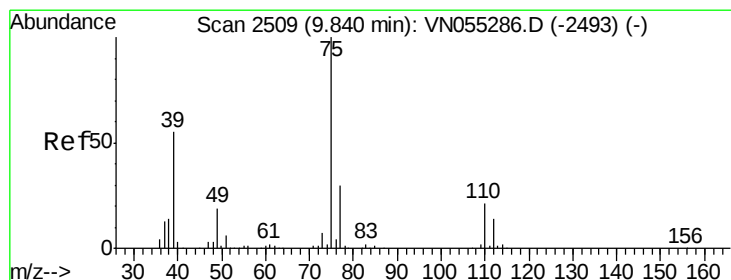
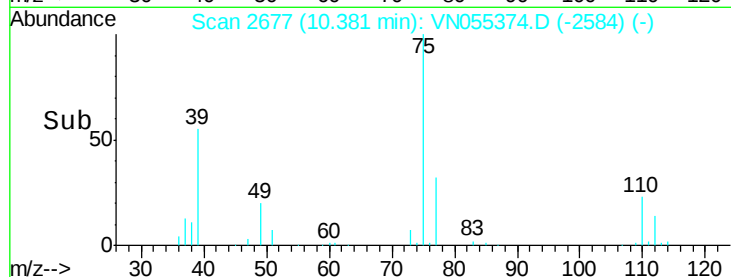
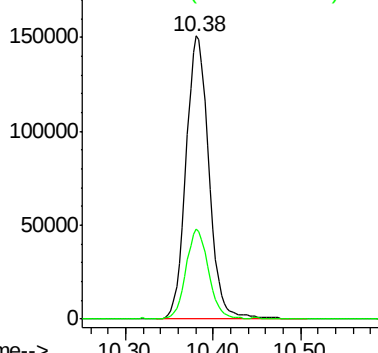
75 100

77 31.6 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 49.225 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

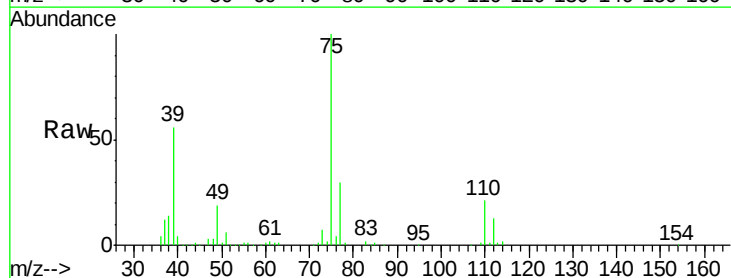
Tgt Ion: 75 Resp: 342479

Ion Ratio Lower Upper

75 100

77 30.5 24.2 36.2

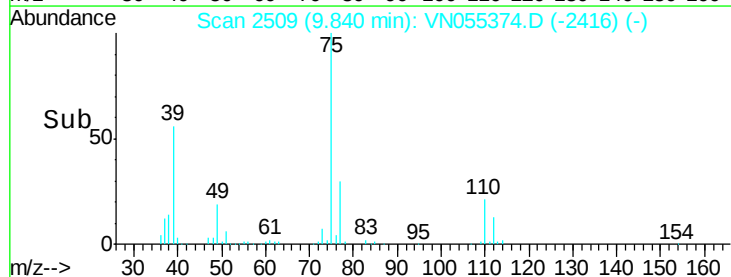
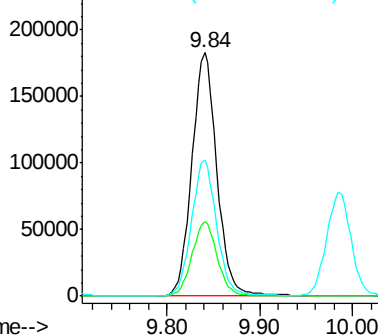
39 55.6 44.2 66.2

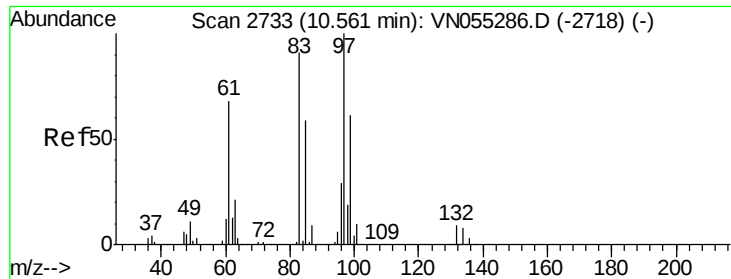


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



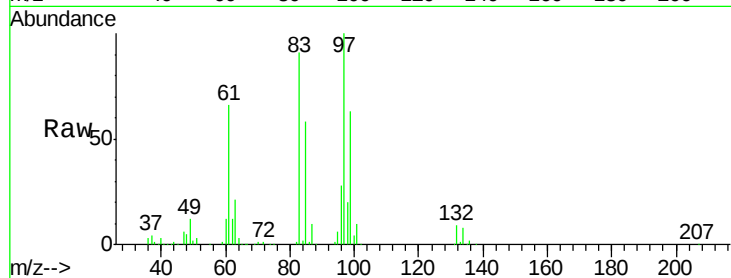


#55
 1,1,2-Trichloroethane
 Concen: 47.657 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055374.D
 Acq: 3 May 2019 3:12

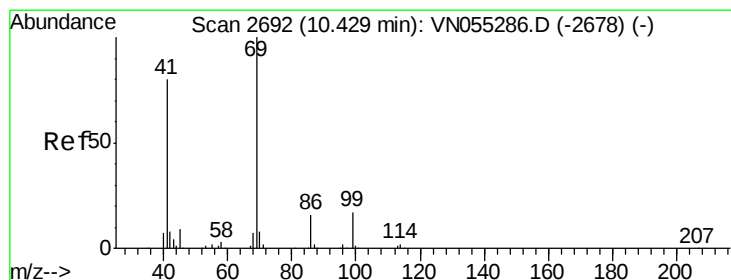
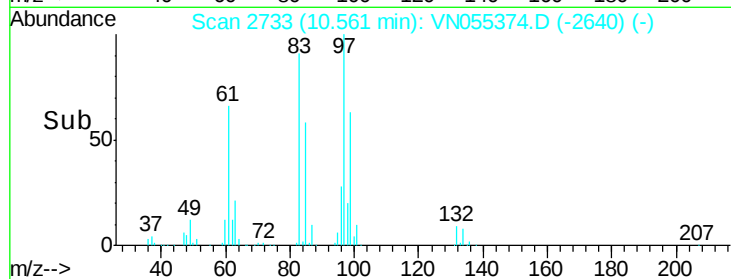
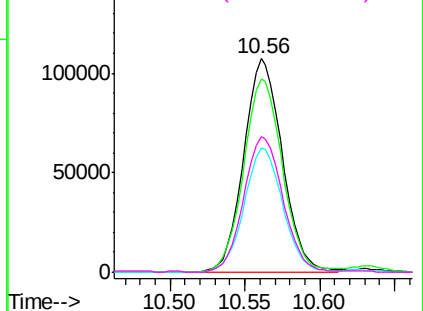
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 192989

Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.8	109.2
85	58.2	47.0	70.6
99	63.1	49.0	73.4



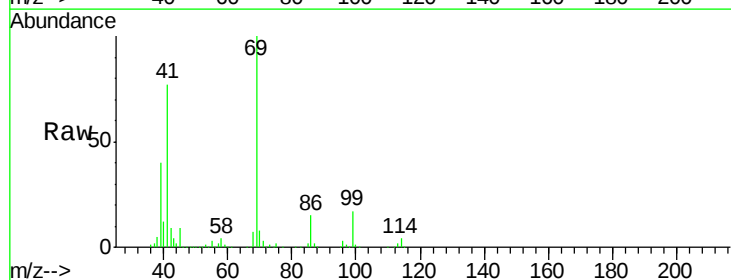
Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO



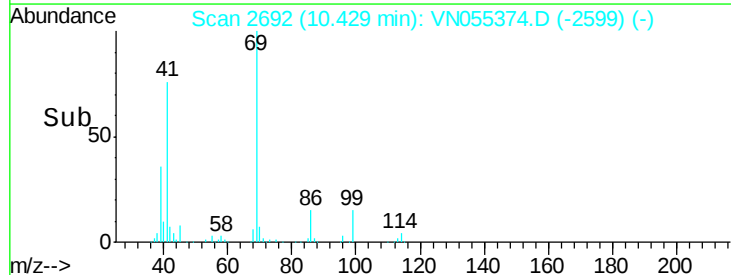
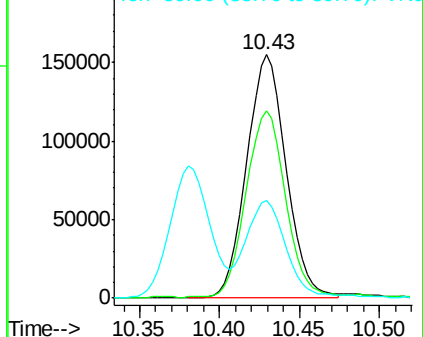
#56
 Ethyl methacrylate
 Concen: 52.525 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055374.D
 Acq: 3 May 2019 3:12

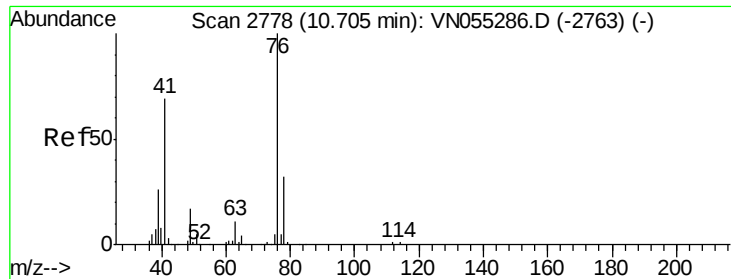
Tgt Ion: 69 Resp: 261805

Ion	Ratio	Lower	Upper
69	100		
41	76.2	62.7	94.1
39	40.5	32.0	48.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

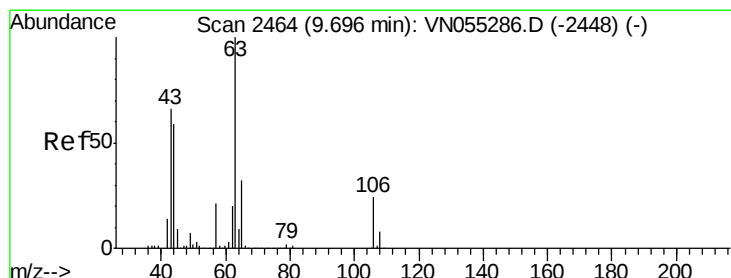
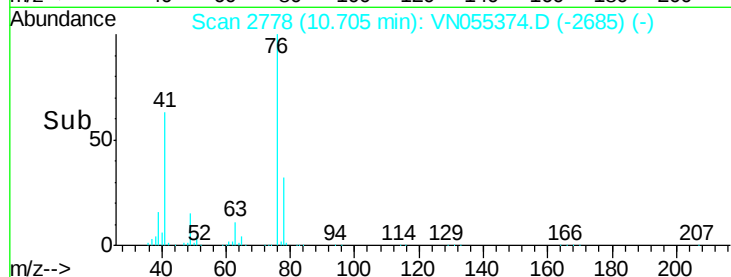
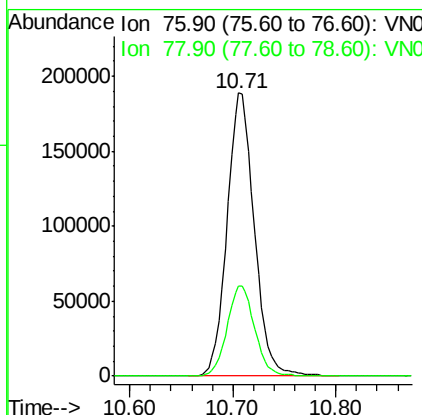
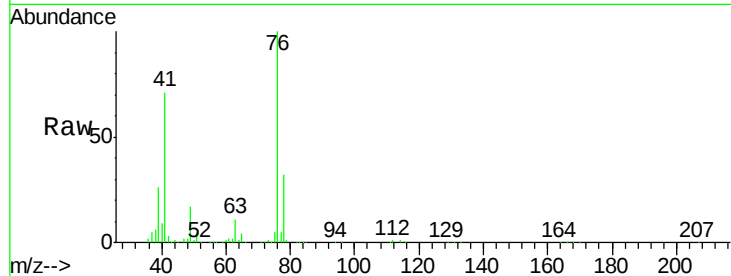




#57
 1,3-Dichloropropane
 Concen: 48.849 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055374.D
 Acq: 3 May 2019 3:12

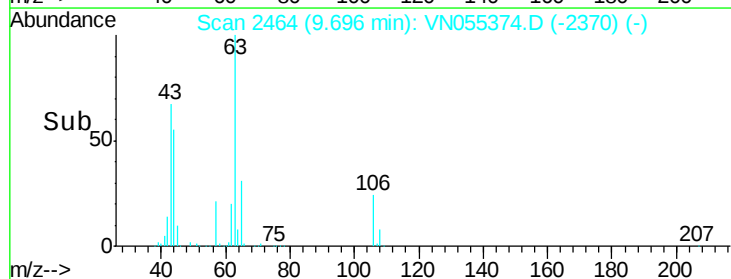
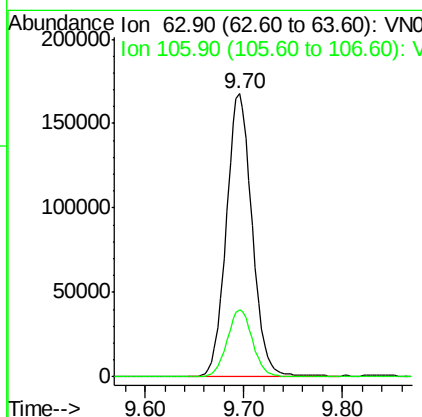
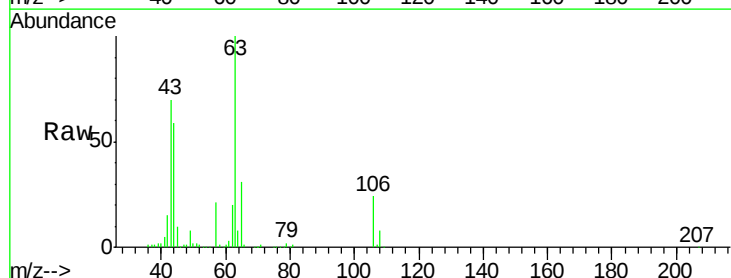
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

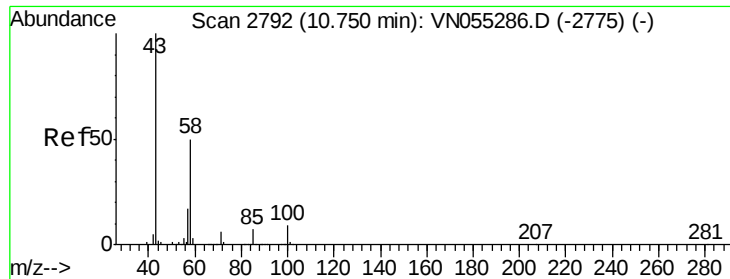
Tot Ion: 76 Resp: 347026
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 201.506 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055374.D
 Acq: 3 May 2019 3:12

Tgt Ion: 63 Resp: 307791
 Ion Ratio Lower Upper
 63 100
 106 23.3 19.0 28.4

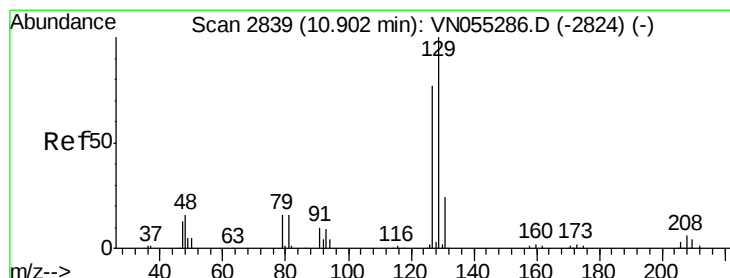
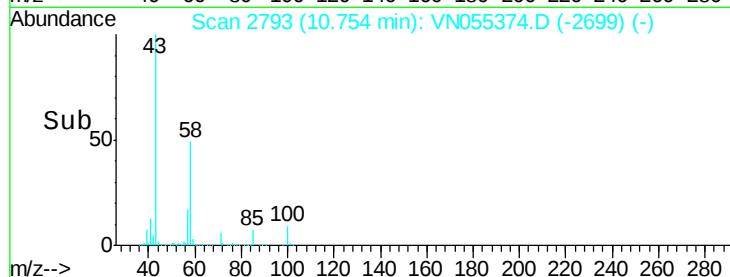
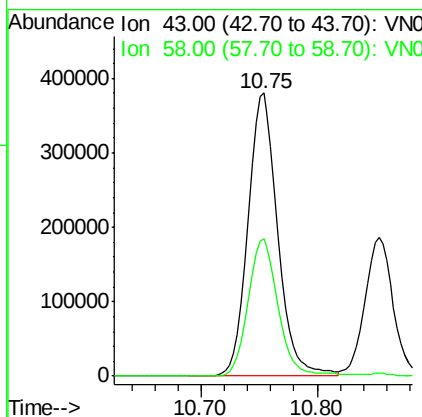
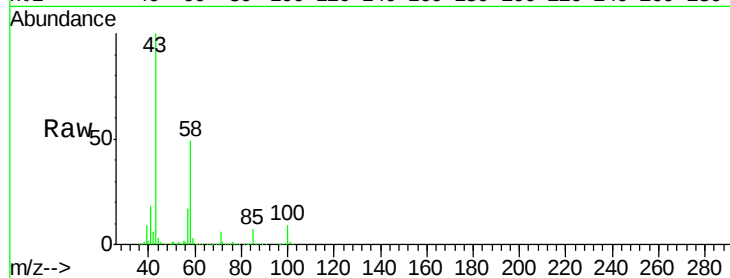




#59
2-Hexanone
Concen: 243.143 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

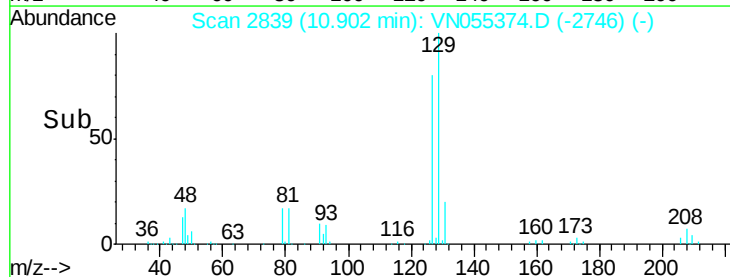
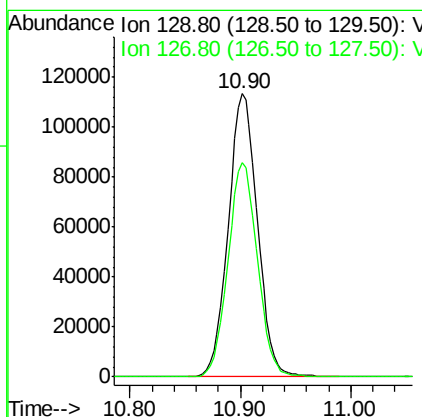
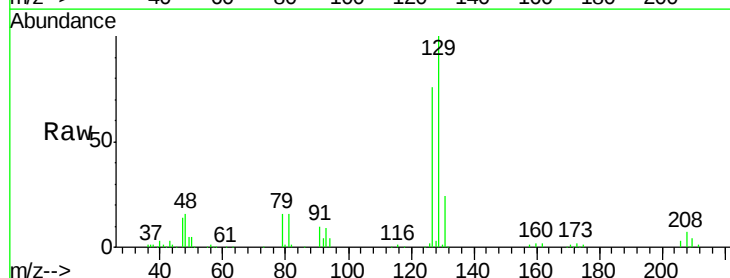
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

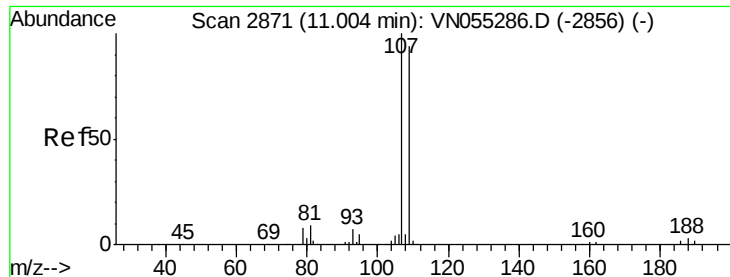
Tot Ion: 43 Resp: 680164
Ion Ratio Lower Upper
43 100
58 49.1 24.9 74.6



#60
Dibromochloromethane
Concen: 50.165 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Tgt Ion: 129 Resp: 207623
Ion Ratio Lower Upper
129 100
127 76.4 38.1 114.5





#61

1,2-Dibromoethane

Concen: 50.052 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

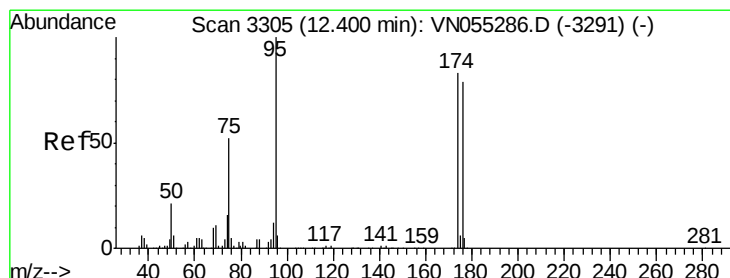
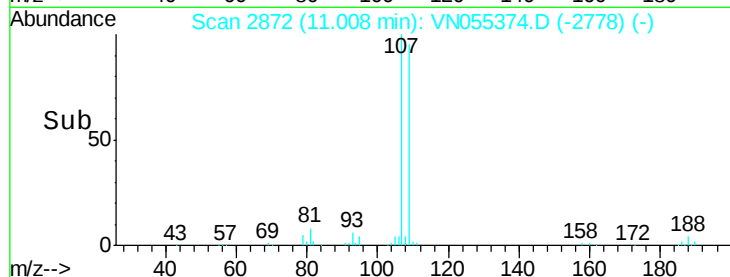
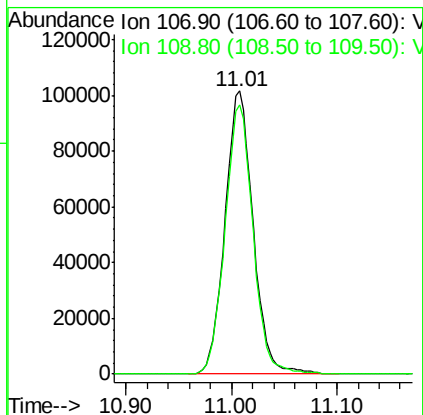
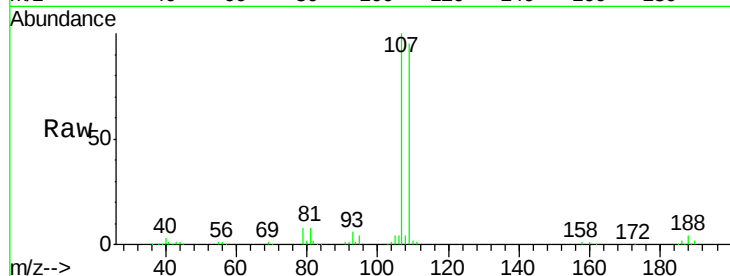
VSTDCCC050EC

Tot Ion: 107 Resp: 187341

Ion Ratio Lower Upper

107 100

109 94.6 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 52.046 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

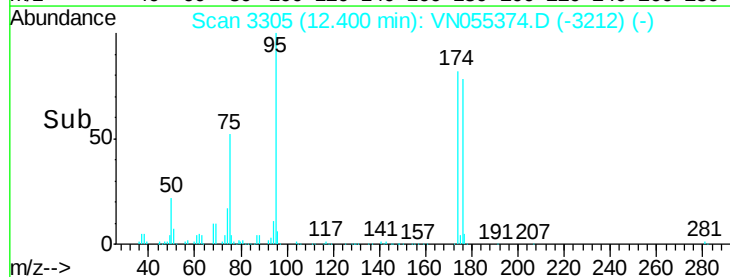
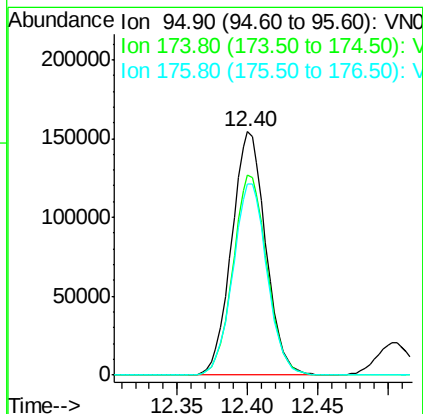
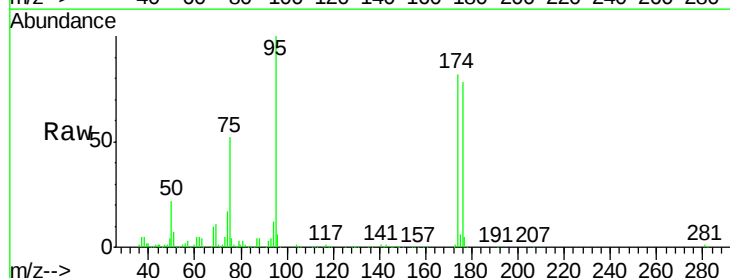
Tgt Ion: 95 Resp: 259496

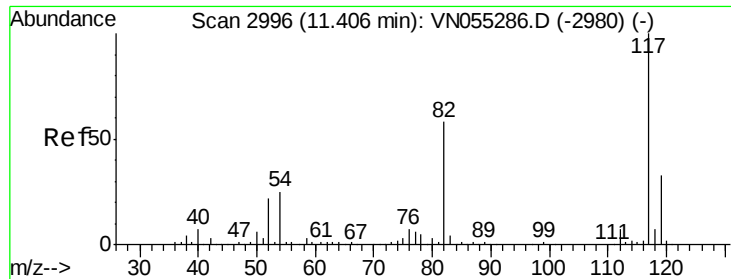
Ion Ratio Lower Upper

95 100

174 82.3 0.0 166.6

176 79.4 0.0 157.8

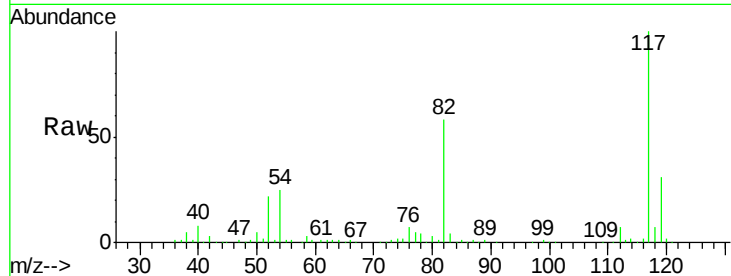




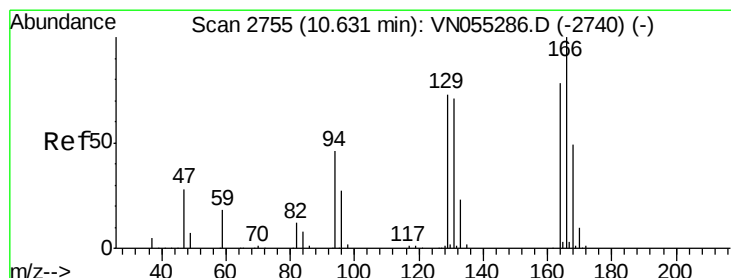
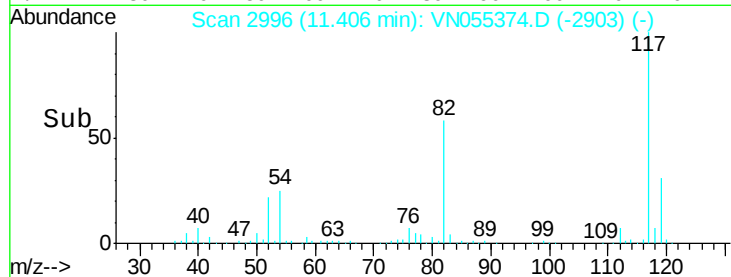
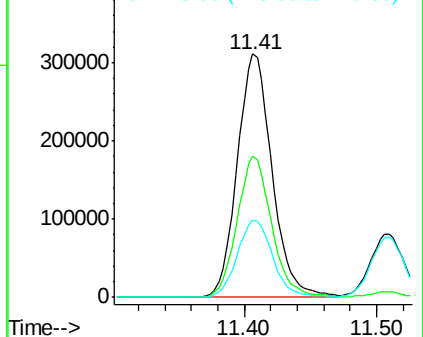
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 567351
Ion Ratio Lower Upper
117 100
82 58.1 46.2 69.4
119 31.5 26.6 40.0



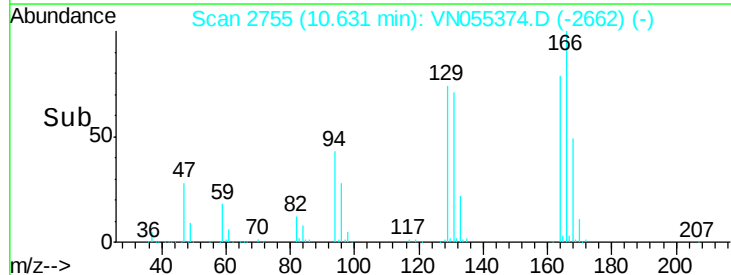
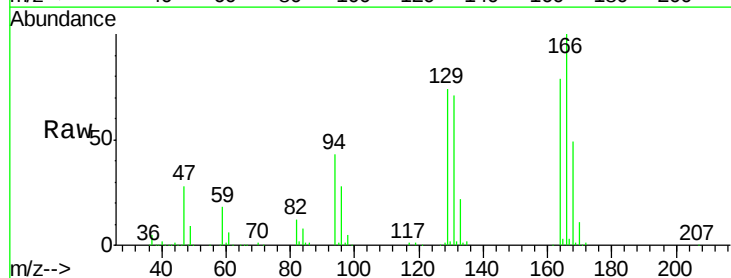
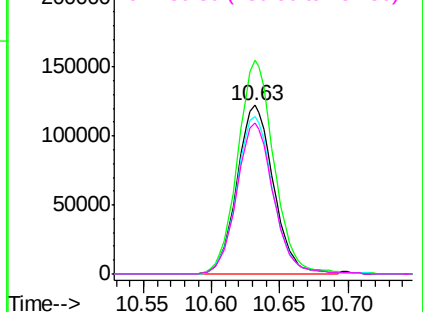
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

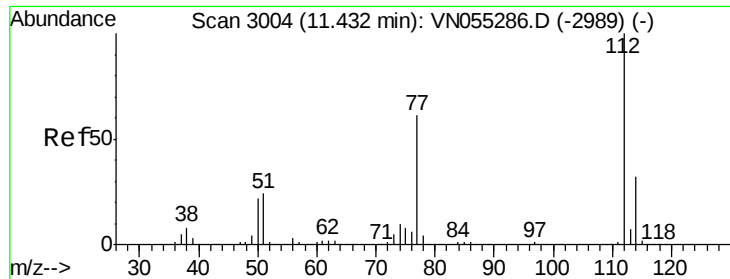


#64
Tetrachloroethene
Concen: 48.894 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Tgt Ion:164 Resp: 226852
Ion Ratio Lower Upper
164 100
166 126.5 102.3 153.5
129 93.5 75.0 112.6
131 89.2 72.7 109.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

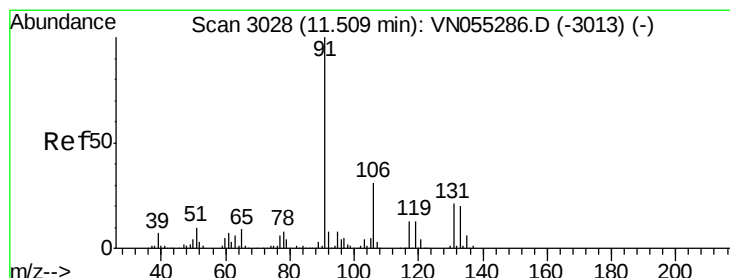
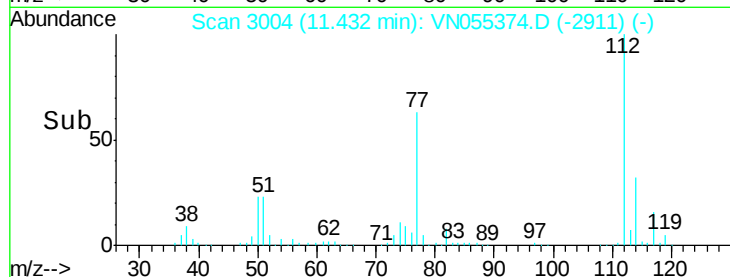
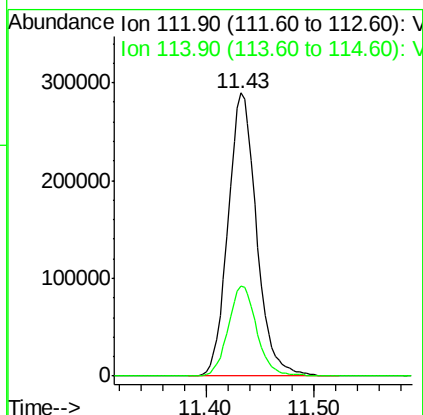
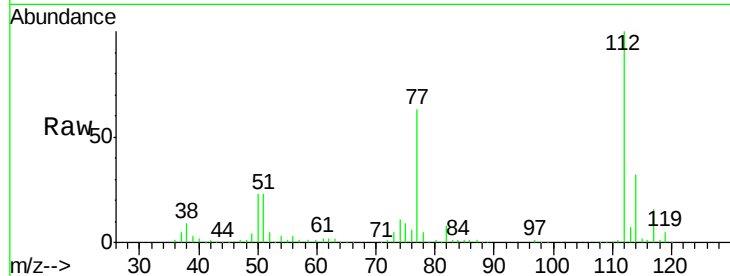




#65
Chlorobenzene
Concen: 48.158 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

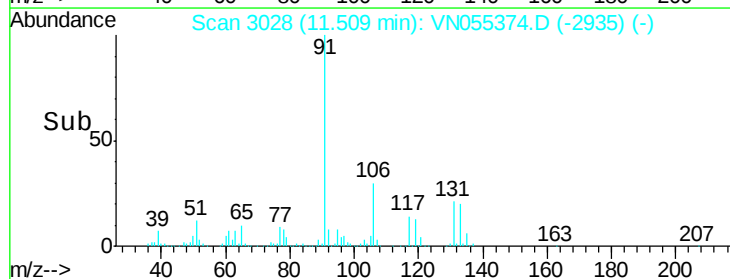
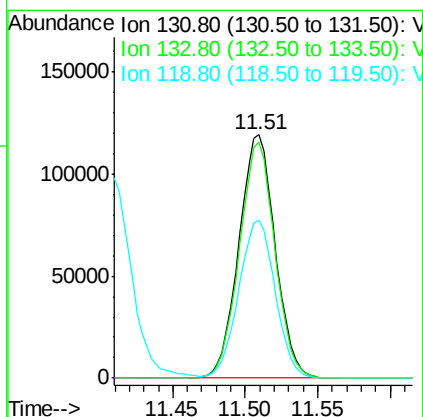
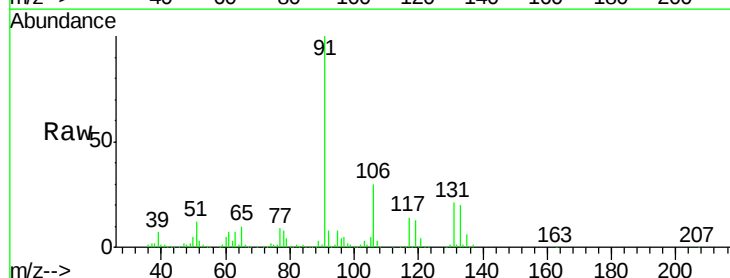
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

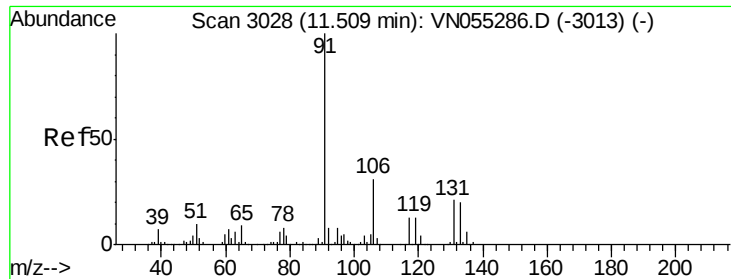
Tot Ion:112 Resp: 534188
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 47.856 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Tgt Ion:131 Resp: 207861
Ion Ratio Lower Upper
131 100
133 94.9 47.5 142.6
119 65.2 32.7 98.1

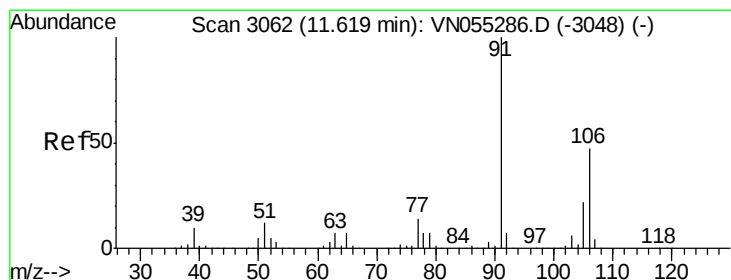
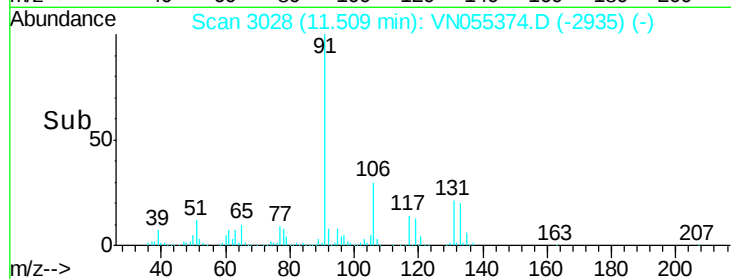
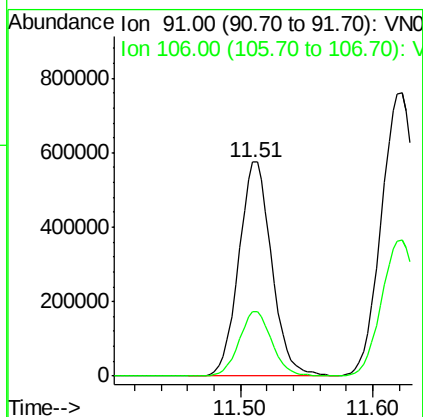
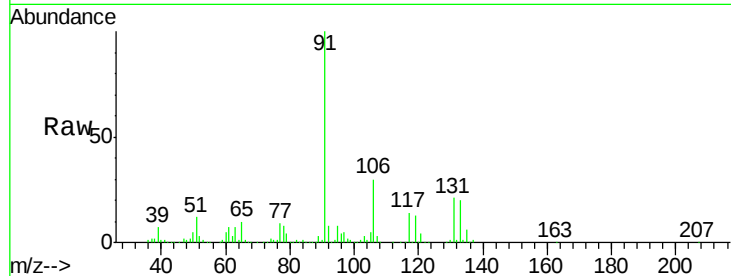




#67
Ethyl Benzene
Concen: 49.492 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

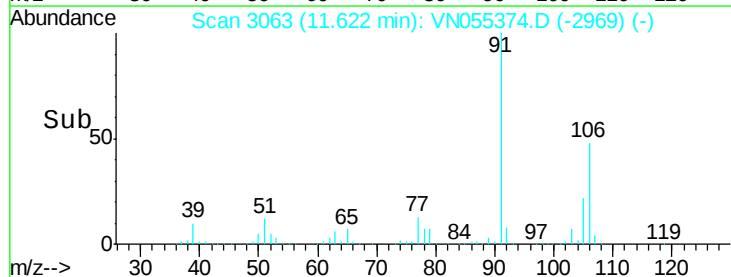
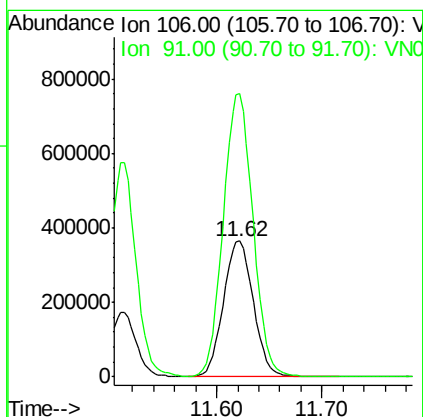
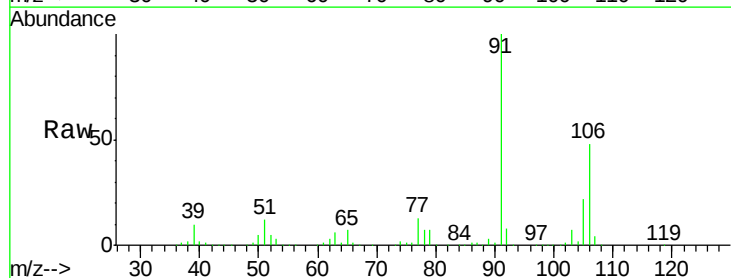
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

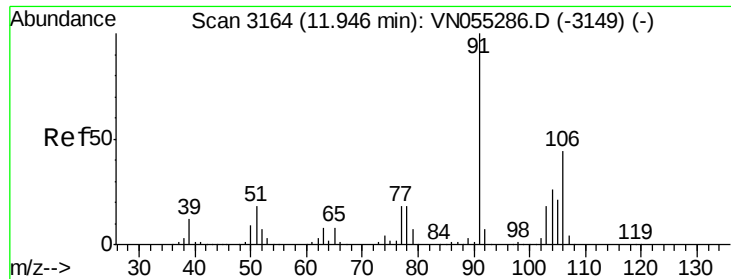
Tot Ion: 91 Resp: 991353
Ion Ratio Lower Upper
91 100
106 30.2 24.6 36.8



#68
m/p-Xylenes
Concen: 100.091 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Tgt Ion: 106 Resp: 715635
Ion Ratio Lower Upper
106 100
91 207.2 169.5 254.3

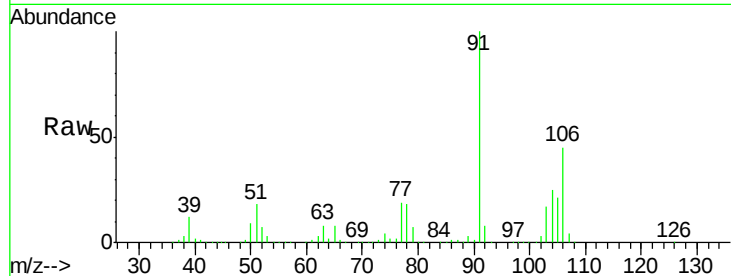




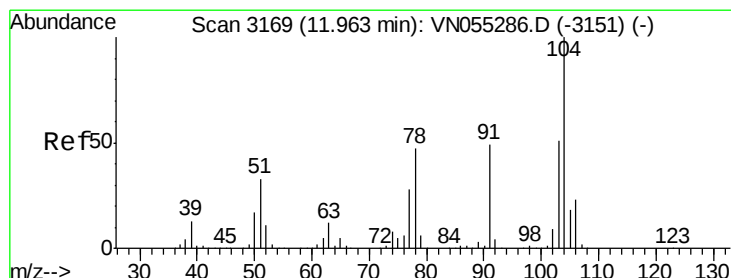
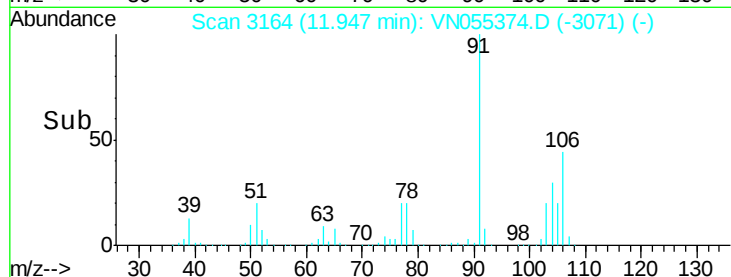
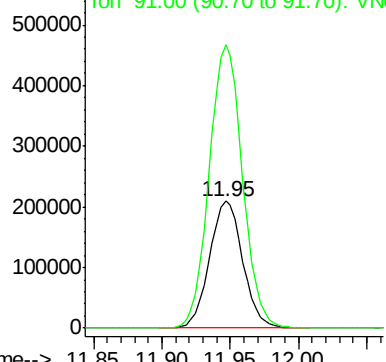
#69
o-Xylene
Concen: 49.893 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 353578
Ion Ratio Lower Upper
106 100
91 223.6 111.5 334.5

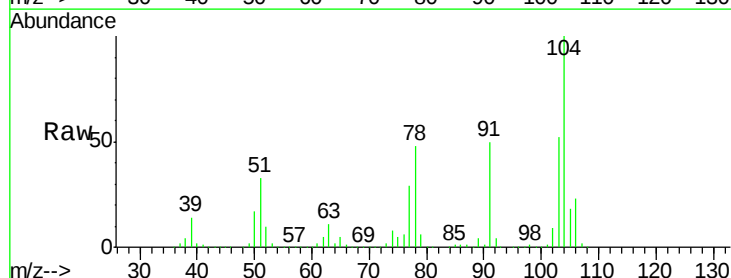


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

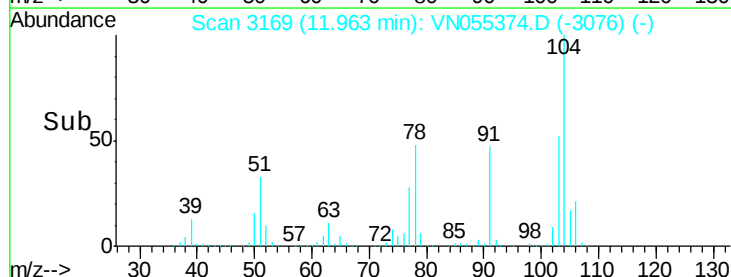
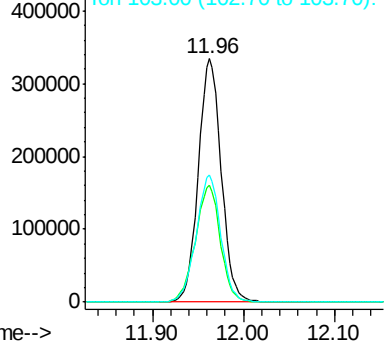


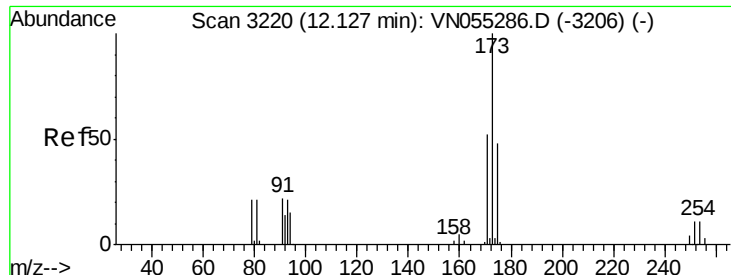
#70
Styrene
Concen: 53.611 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Tgt Ion:104 Resp: 583342
Ion Ratio Lower Upper
104 100
78 52.3 42.2 63.2
103 56.0 44.6 67.0



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: 51.158 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

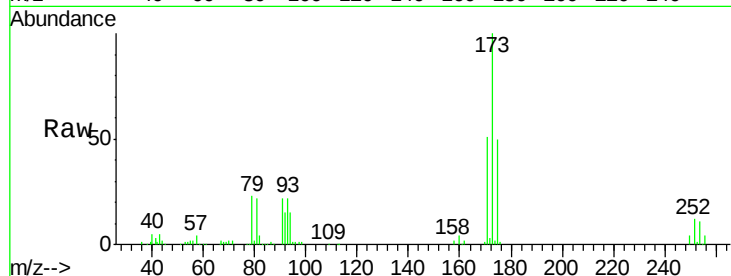
Tot Ion:173 Resp: 123298

Ion Ratio Lower Upper

173 100

175 48.9 23.6 71.0

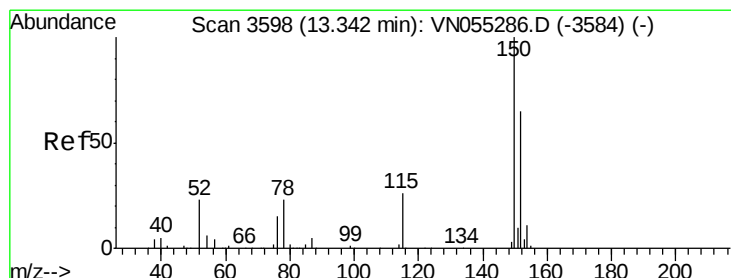
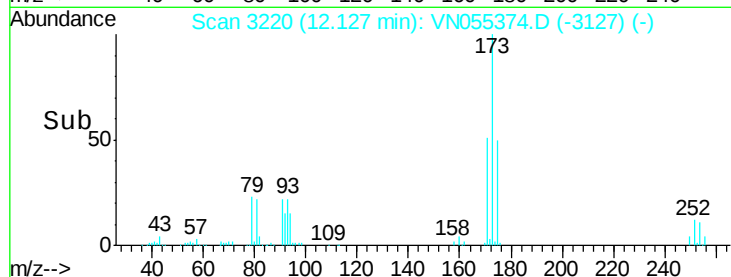
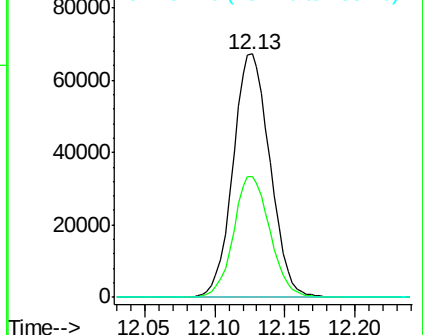
254 0.1 0.0 0.0#



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: VN055374.D

Acq: 3 May 2019 3:12

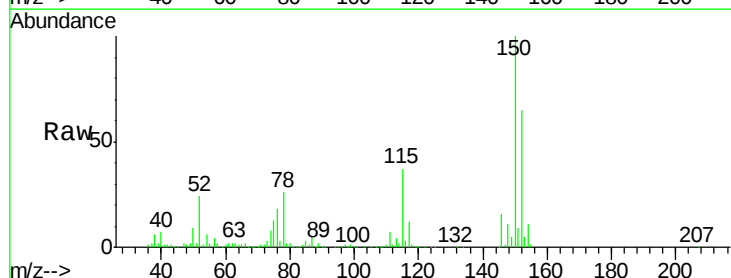
Tgt Ion:152 Resp: 230615

Ion Ratio Lower Upper

152 100

115 57.8 29.0 87.0

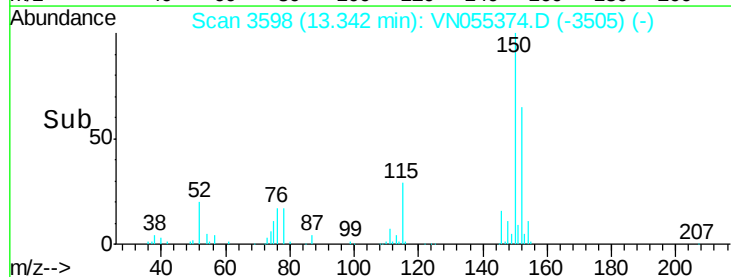
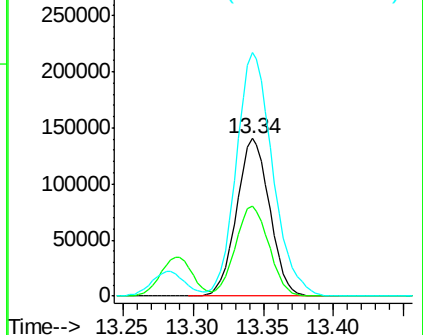
150 170.2 0.0 345.6

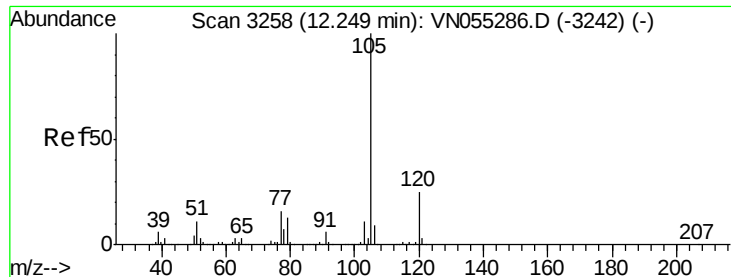


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.415 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

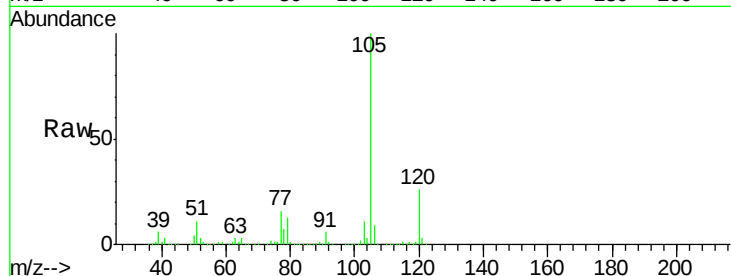
VSTDCCC050EC

Tot Ion:105 Resp: 941813

Ion Ratio Lower Upper

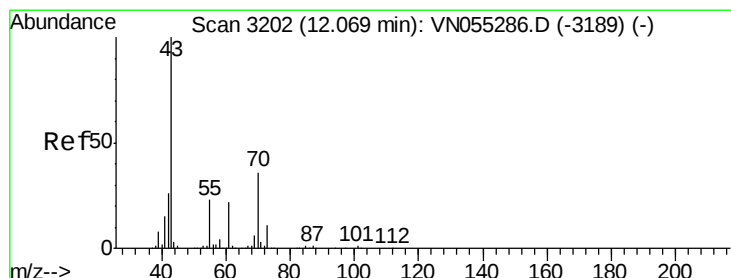
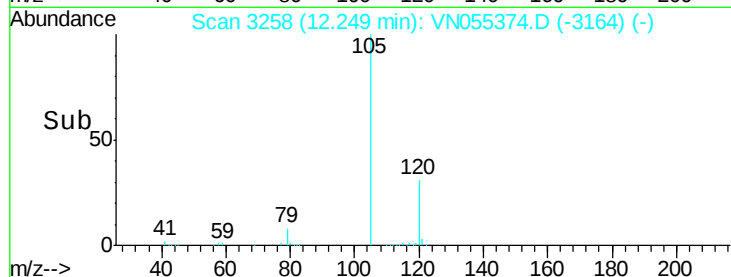
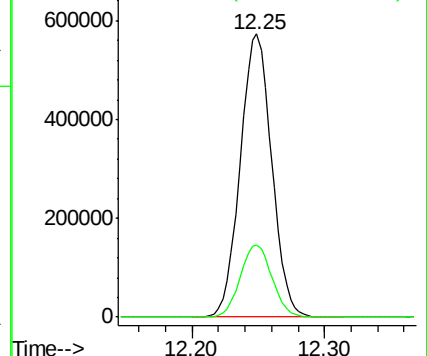
105 100

120 25.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.466 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Tgt Ion: 43 Resp: 298680

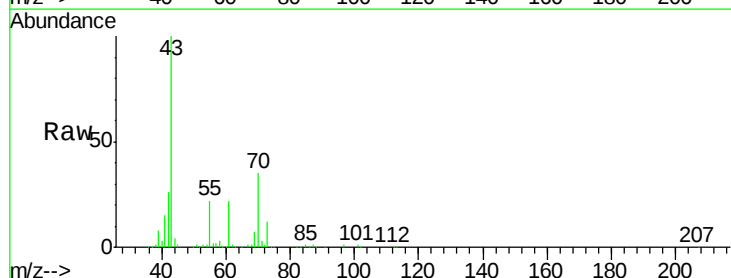
Ion Ratio Lower Upper

43 100

70 33.9 27.9 41.9

55 21.0 18.2 27.2

61 20.3 16.9 25.3

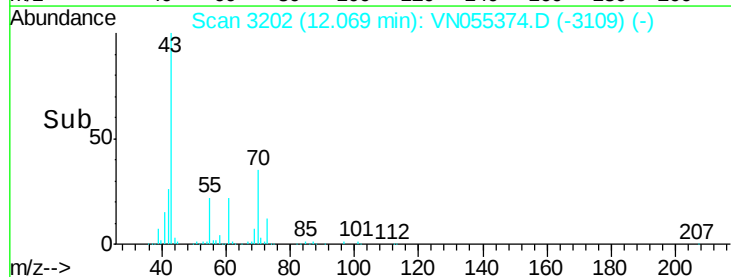
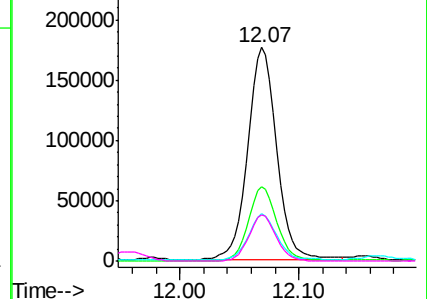


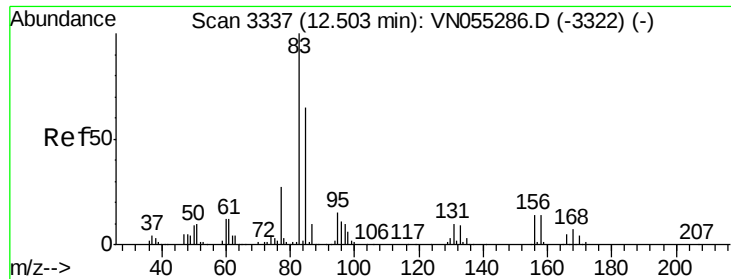
Abundance Ion 43.00 (42.70 to 43.70): V

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: 50.358 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

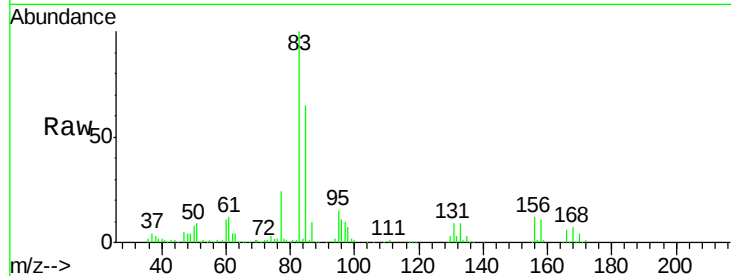
Tot Ion: 83 Resp: 229997

Ion Ratio Lower Upper

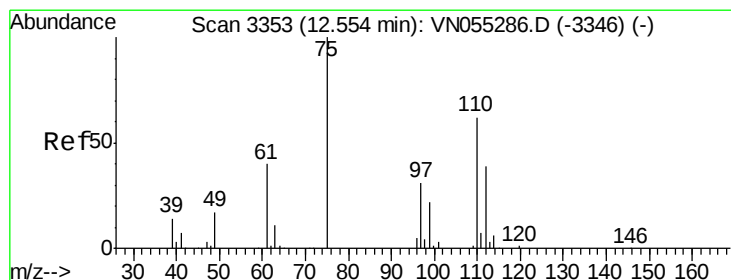
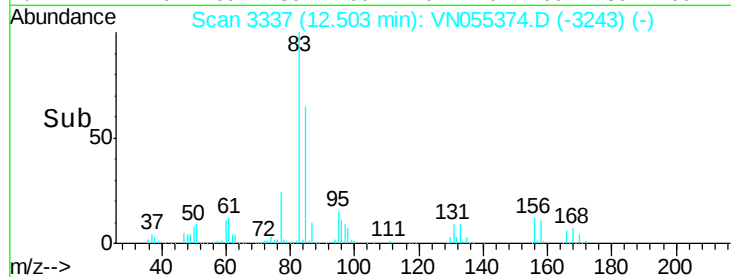
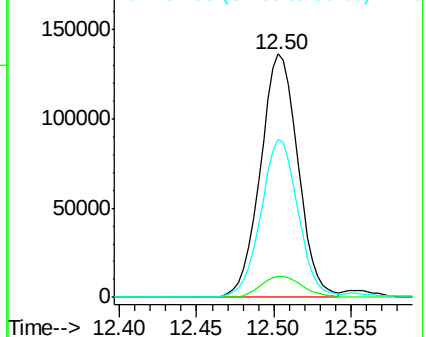
83 100

131 9.7 5.1 15.2

85 64.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 64.075 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055374.D

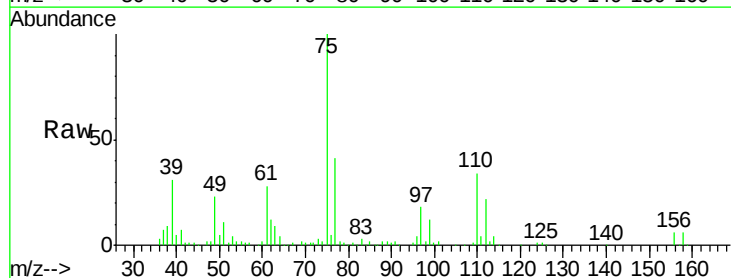
Acq: 3 May 2019 3:12

Tgt Ion: 75 Resp: 271623

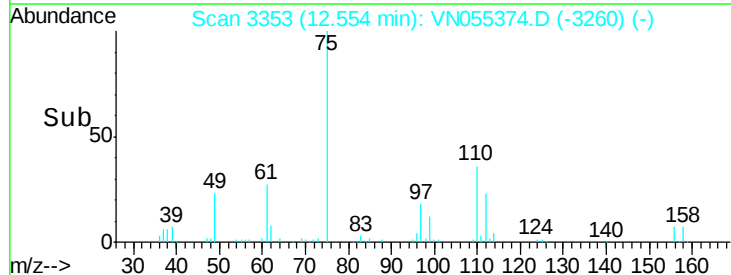
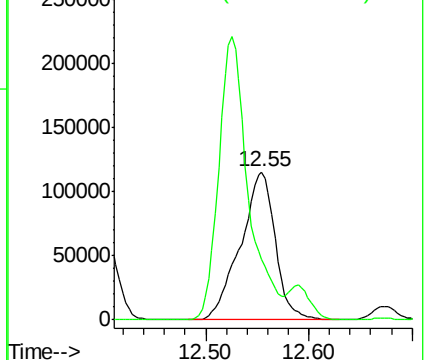
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 50.316 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

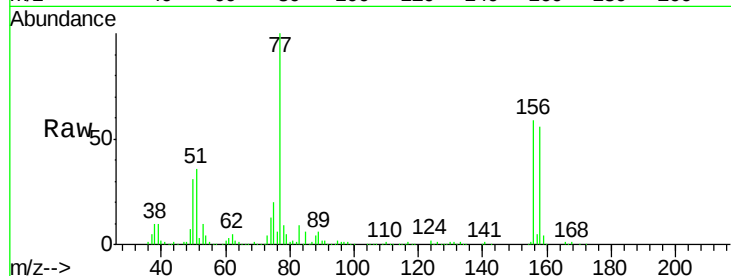
Tot Ion:156 Resp: 221293

Ion Ratio Lower Upper

156 100

77 199.3 99.6 298.8

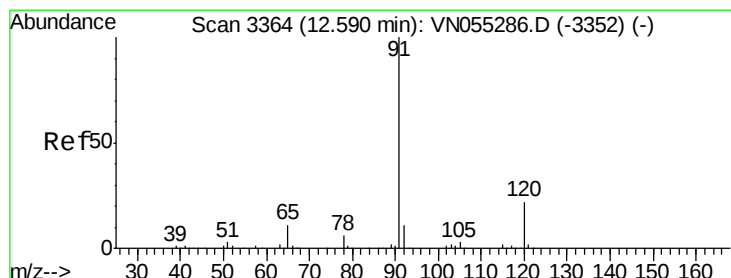
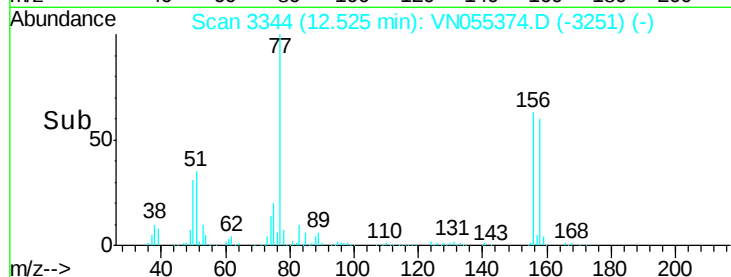
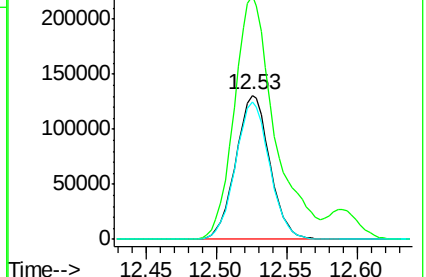
158 95.8 49.3 147.8



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: 43.633 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055374.D

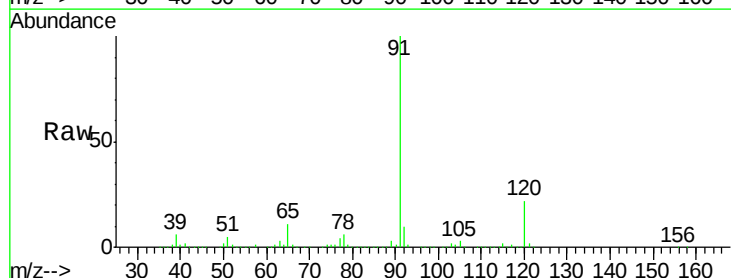
Acq: 3 May 2019 3:12

Tgt Ion: 91 Resp: 1033616

Ion Ratio Lower Upper

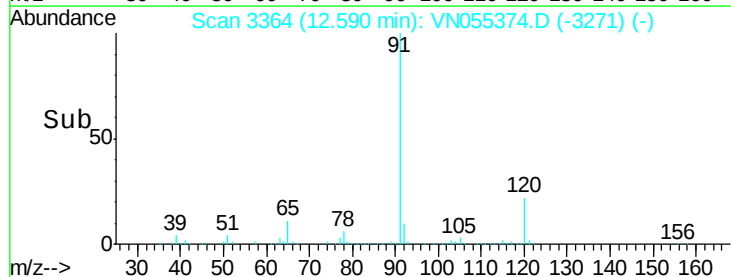
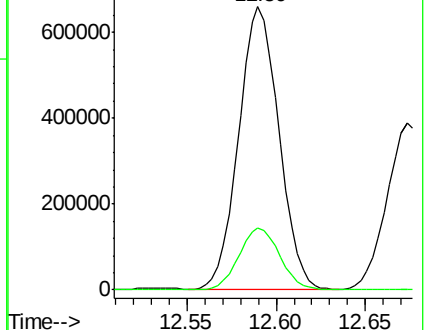
91 100

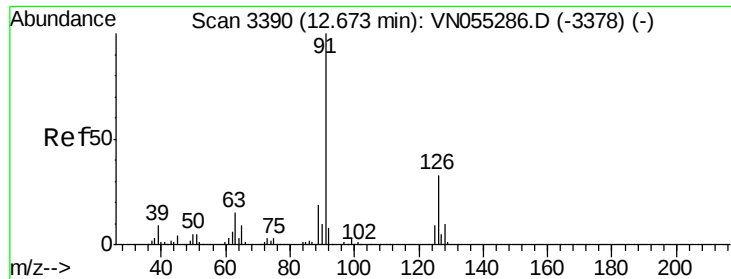
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

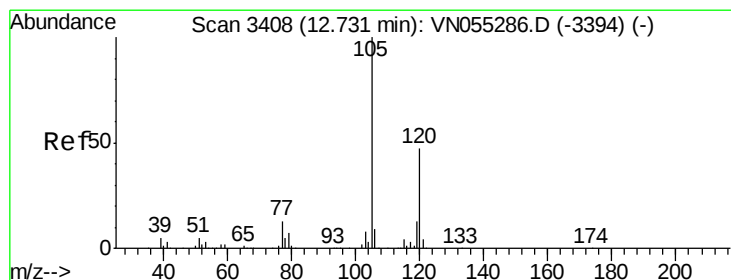
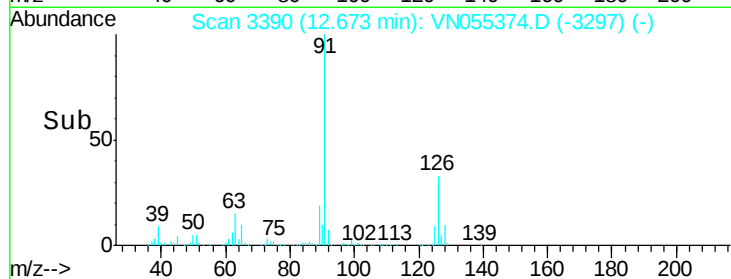
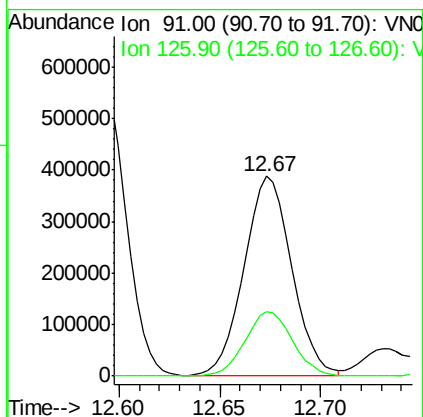
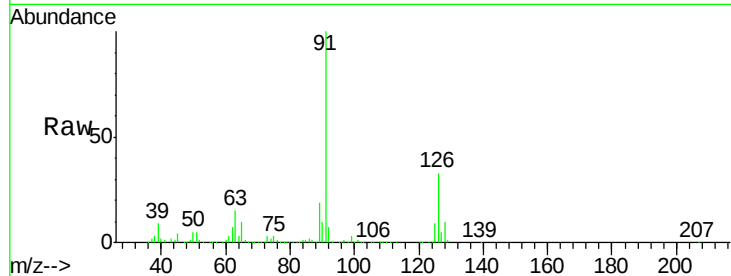




#79
 2-Chlorotoluene
 Concen: 51.272 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055374.D
 Acq: 3 May 2019 3:12

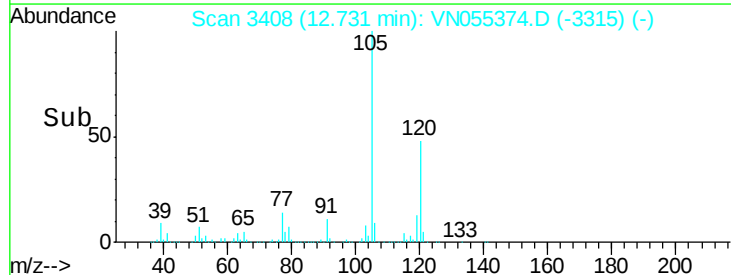
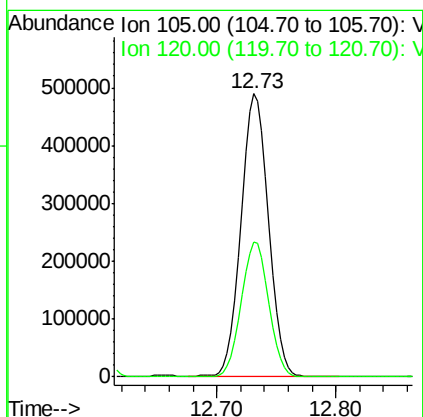
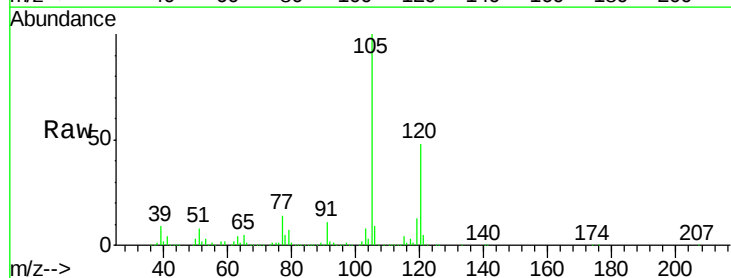
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

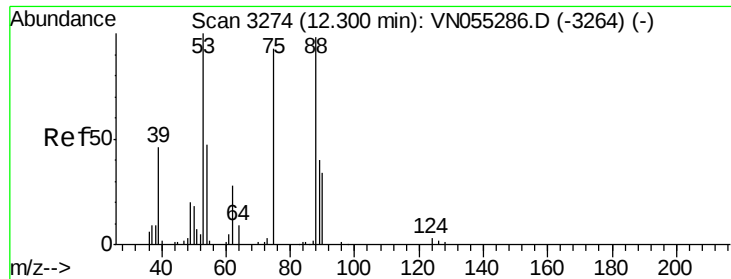
Tot Ion: 91 Resp: 639969
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 43.287 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055374.D
 Acq: 3 May 2019 3:12

Tgt Ion: 105 Resp: 782611
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 40.817 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

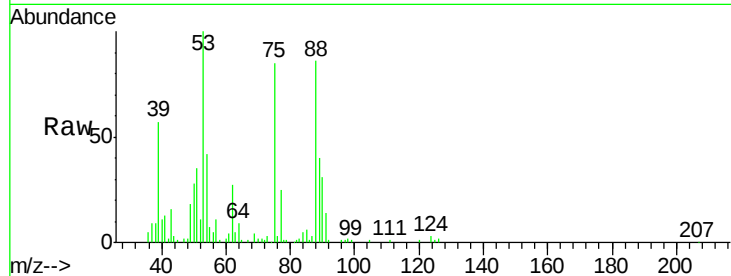
Tot Ion: 75 Resp: 49671

Ion Ratio Lower Upper

75 100

53 116.2 86.3 129.5

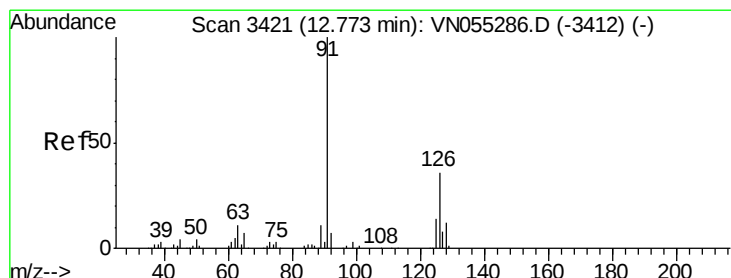
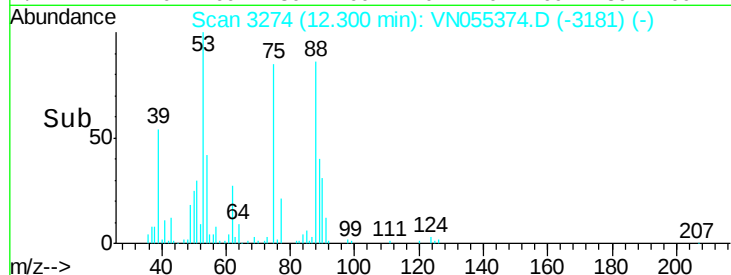
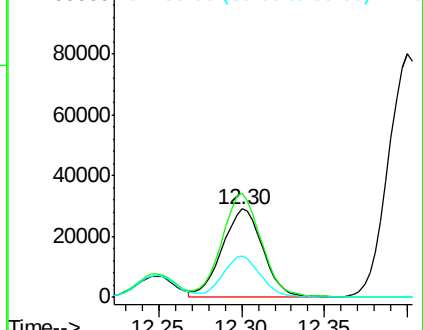
89 43.4 34.6 51.8



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: 44.452 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055374.D

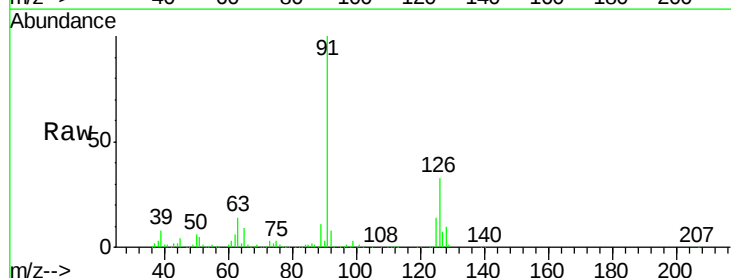
Acq: 3 May 2019 3:12

Tgt Ion: 91 Resp: 612264

Ion Ratio Lower Upper

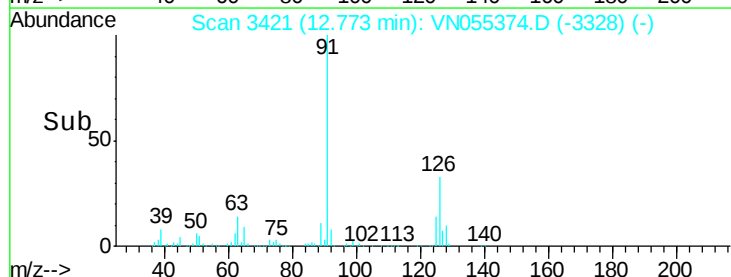
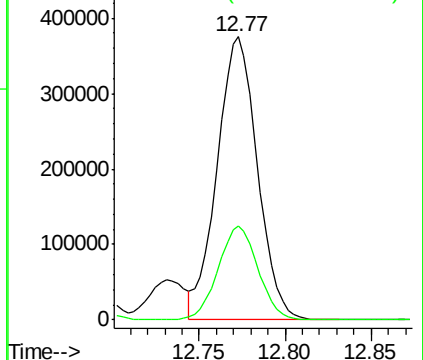
91 100

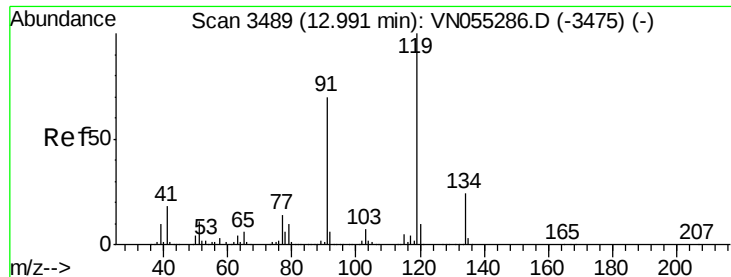
126 32.8 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

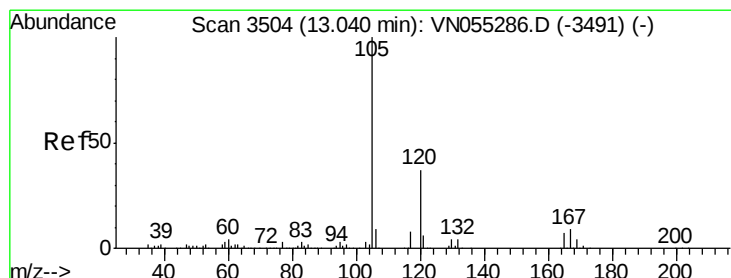
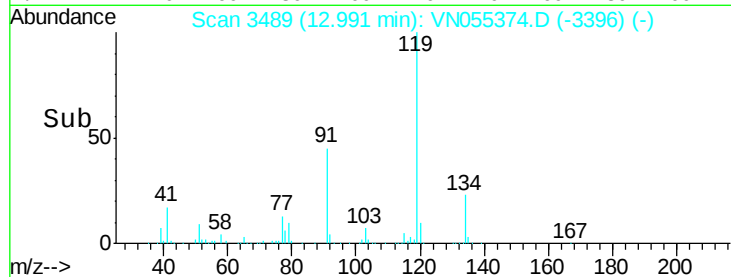
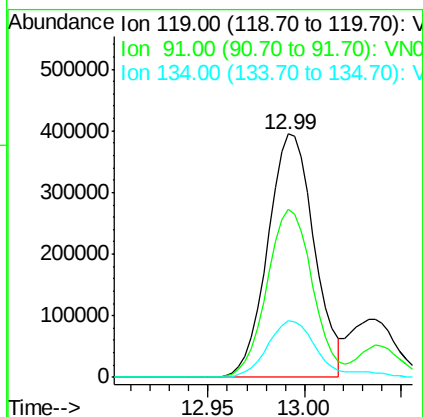
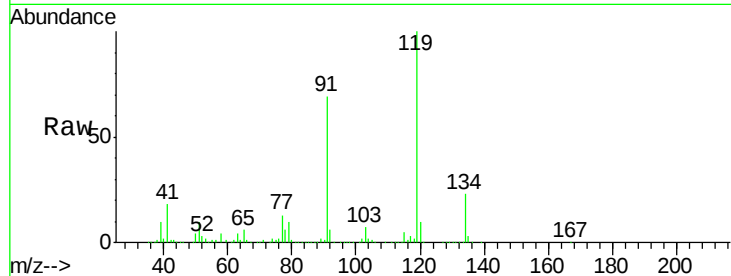




#83
tert-Butylbenzene
Concen: 51.617 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

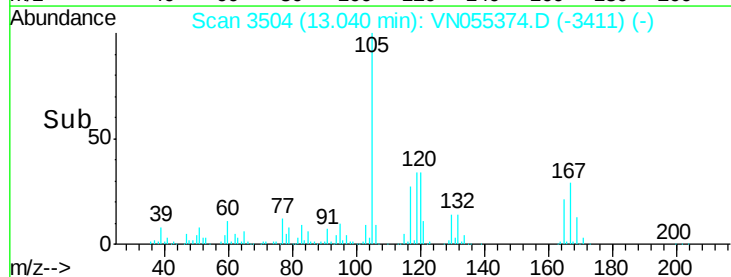
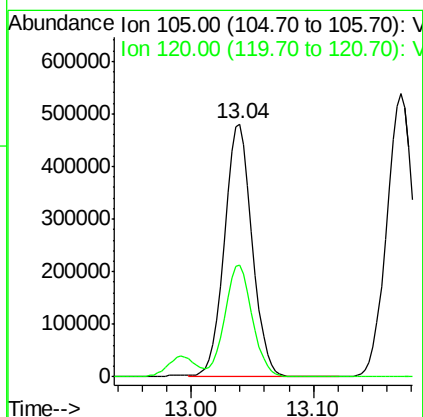
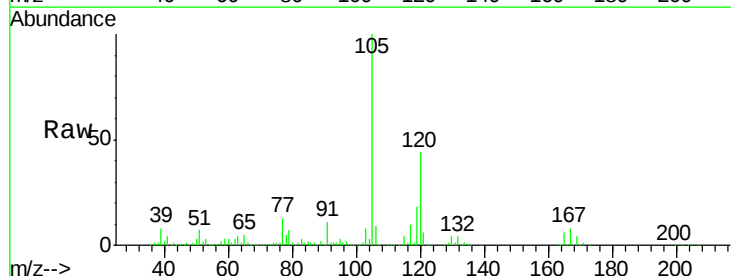
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

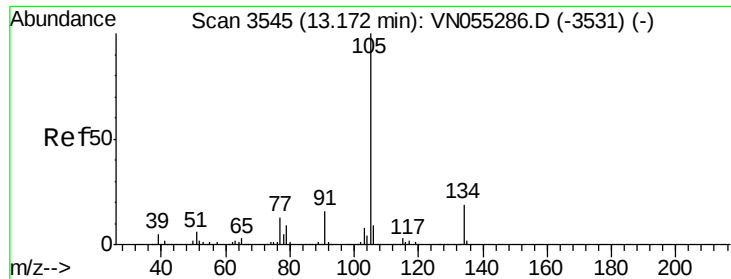
Tot Ion:119 Resp: 659340
Ion Ratio Lower Upper
119 100
91 68.0 34.3 102.9
134 25.3 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 47.304 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Tgt Ion:105 Resp: 764871
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.5





#85

sec-Butylbenzene

Concen: 42.995 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

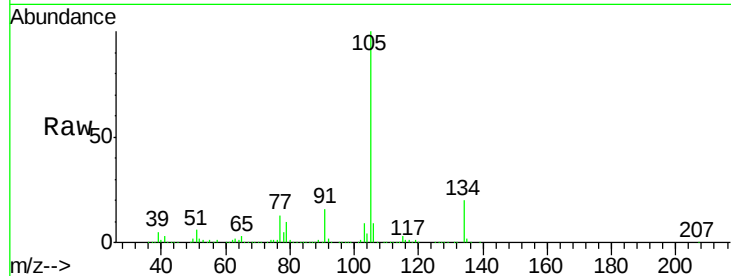
VSTDCCC050EC

Tot Ion:105 Resp: 844890

Ion Ratio Lower Upper

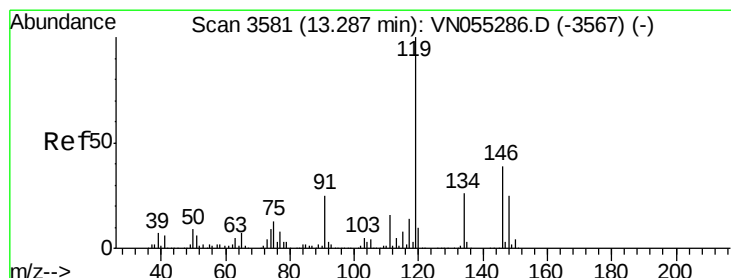
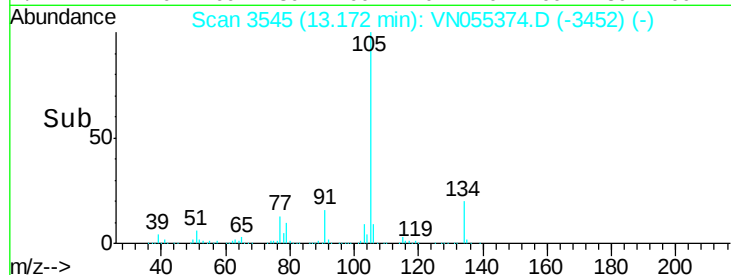
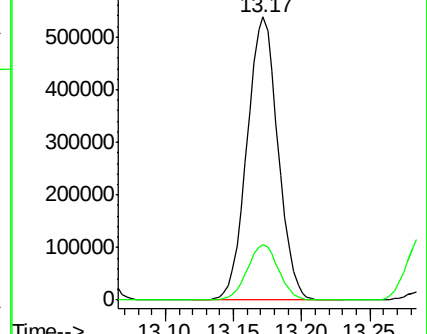
105 100

134 19.9 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.388 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

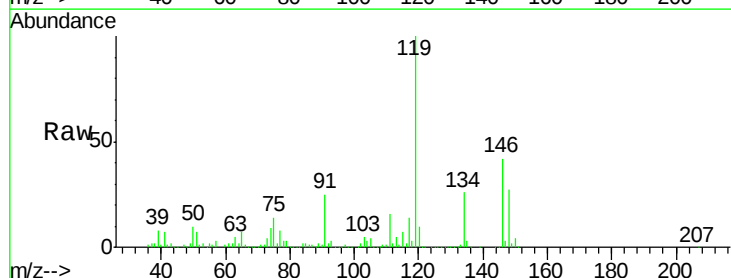
Tgt Ion:119 Resp: 733063

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

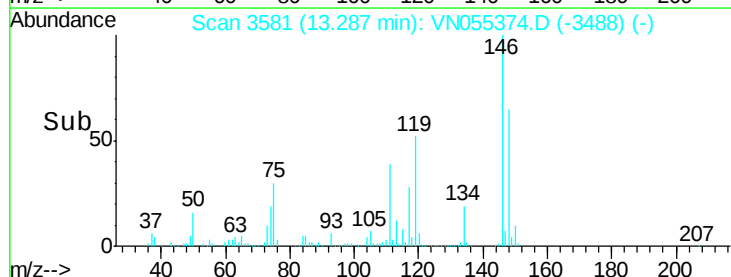
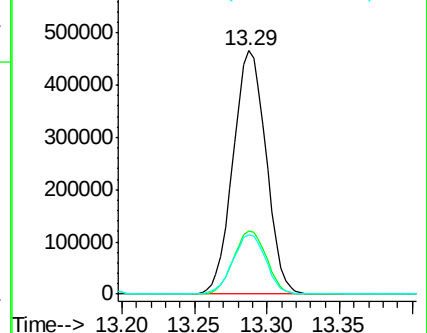
91 24.3 12.2 36.6

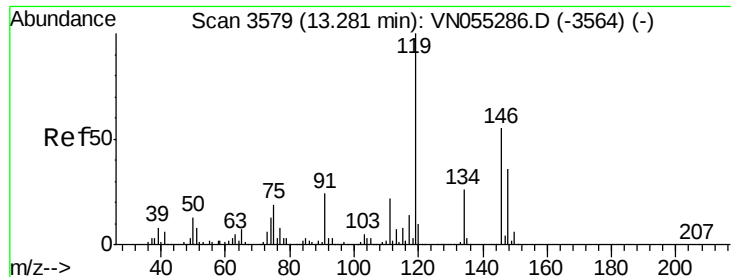


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 46.528 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

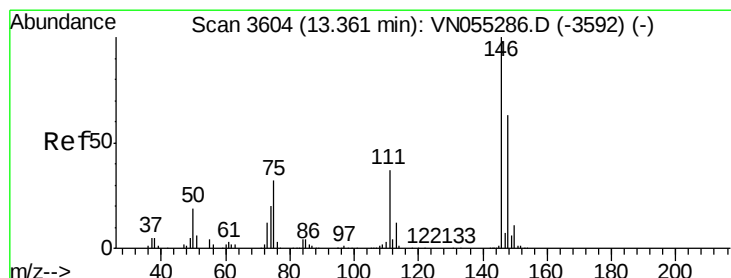
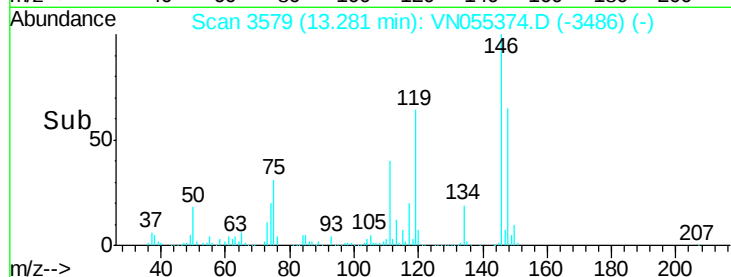
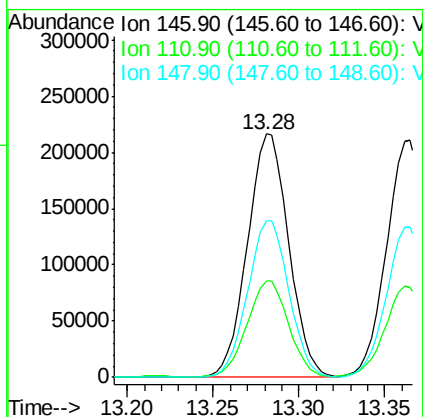
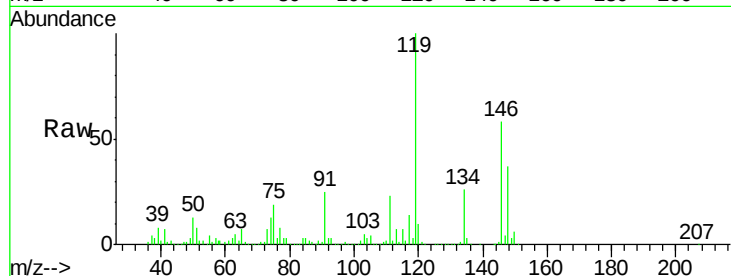
Tot Ion:146 Resp: 359056

Ion Ratio Lower Upper

146 100

111 39.4 20.3 60.8

148 64.5 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 48.040 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

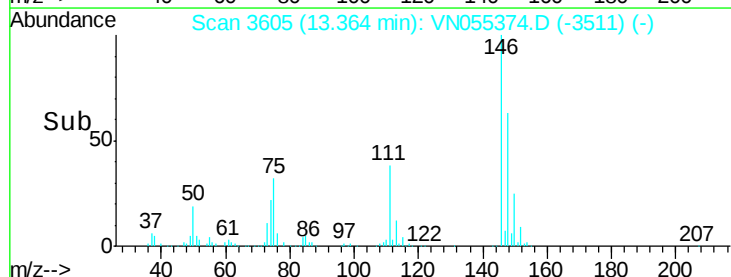
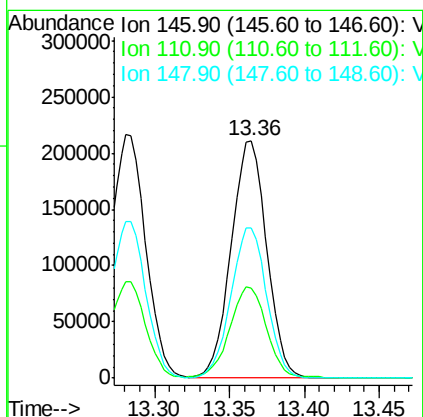
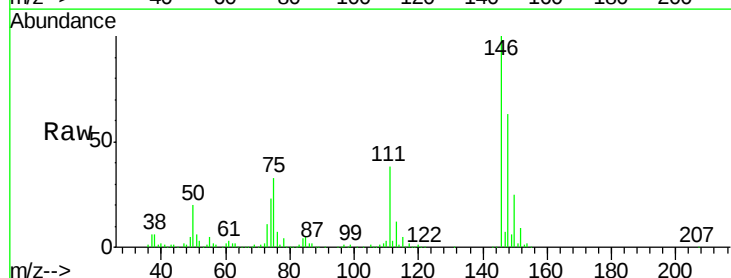
Tgt Ion:146 Resp: 349121

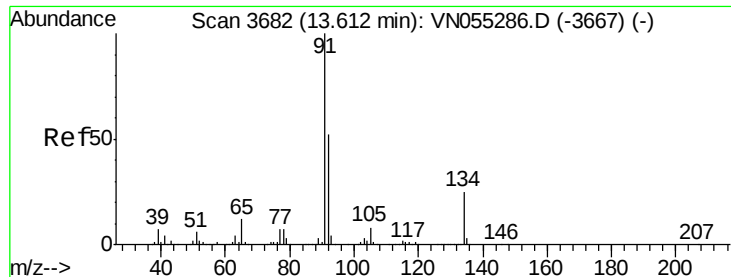
Ion Ratio Lower Upper

146 100

111 39.7 19.5 58.5

148 63.7 32.5 97.4

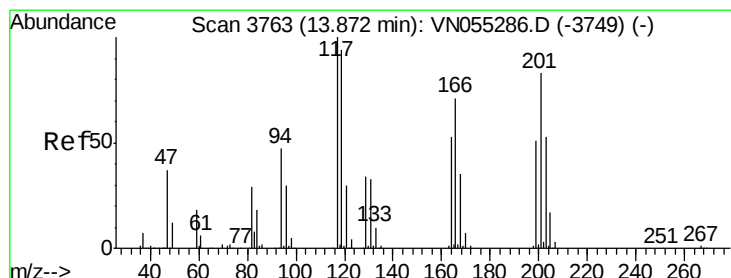
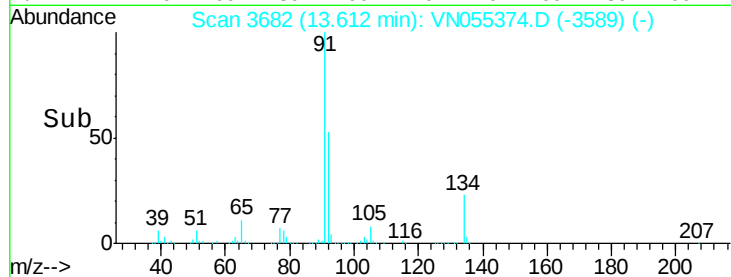
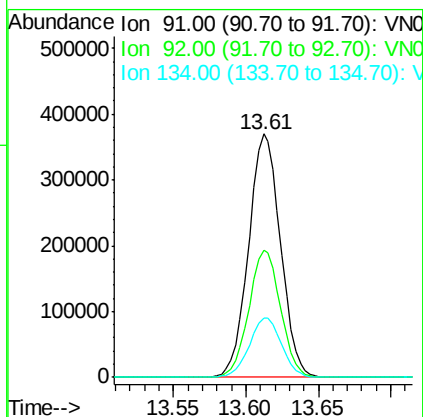
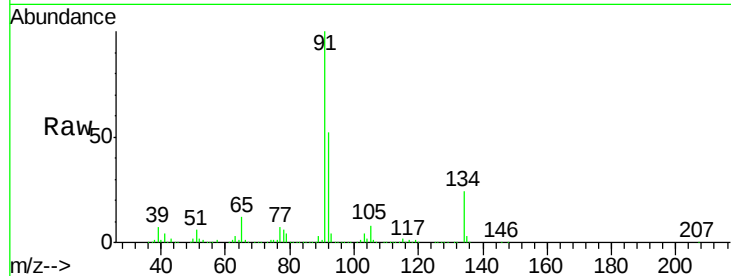




#89
n-Butylbenzene
Concen: 49.314 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

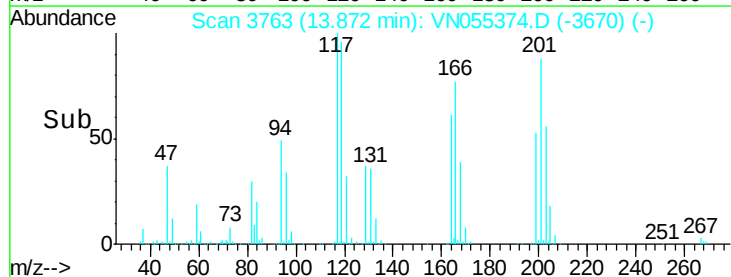
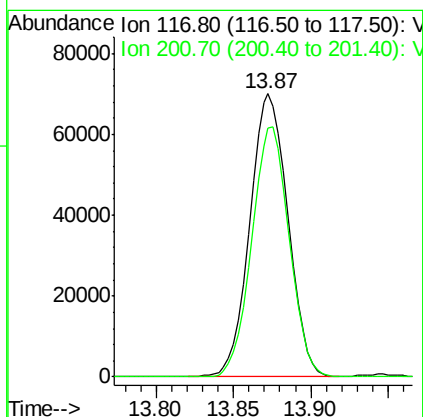
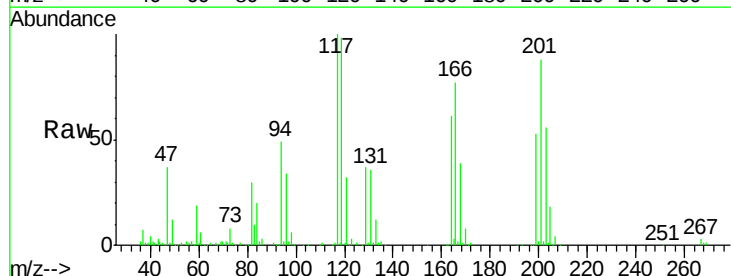
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

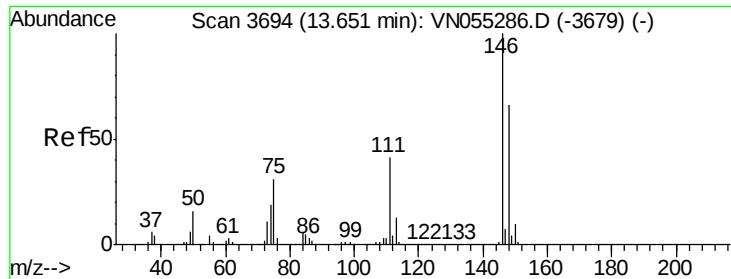
Tot Ion: 91 Resp: 565966
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.3
134 24.8 12.4 37.4



#90
Hexachloroethane
Concen: 46.834 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055374.D
Acq: 3 May 2019 3:12

Tgt Ion: 117 Resp: 120025
Ion Ratio Lower Upper
117 100
201 86.9 41.9 125.8

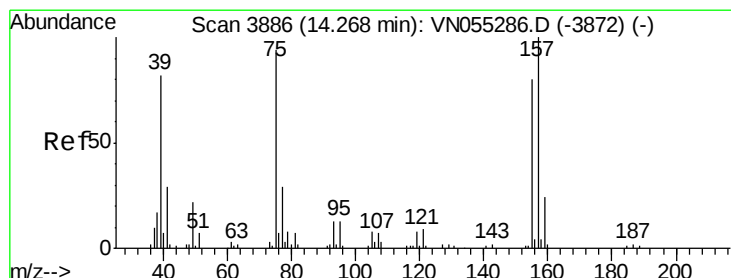
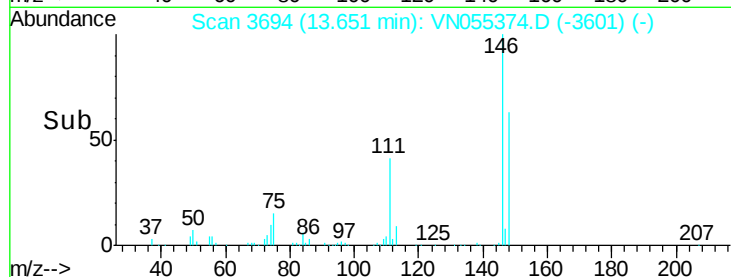
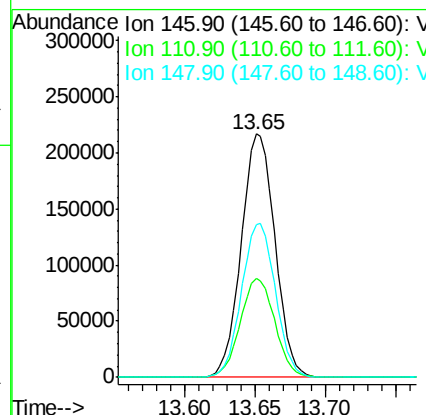
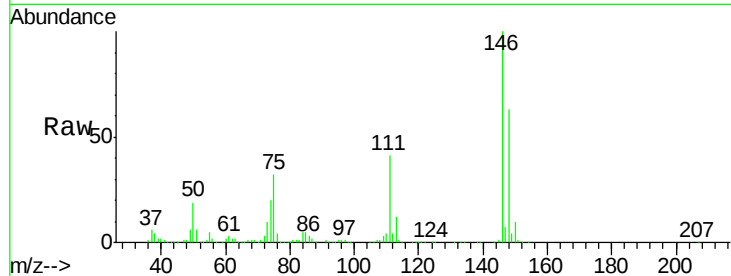




#91
 1,2-Dichlorobenzene
 Concen: 47.655 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055374.D
 Acq: 3 May 2019 3:12

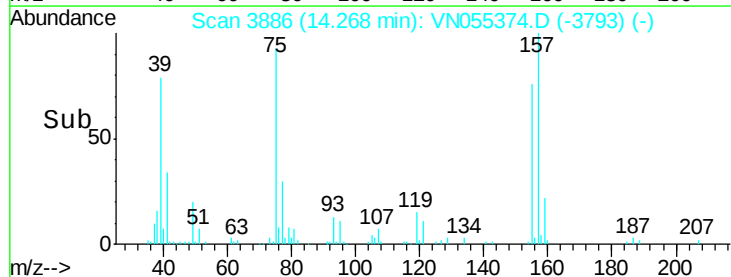
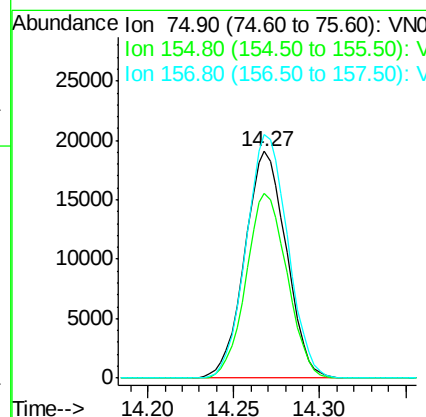
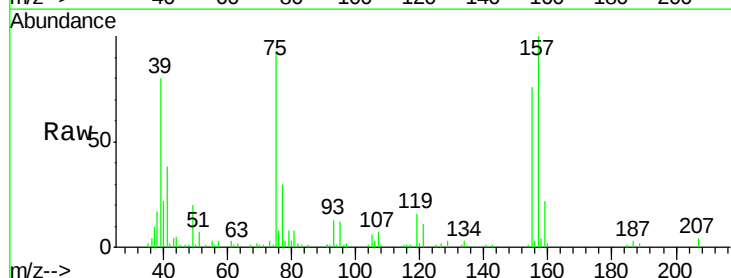
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

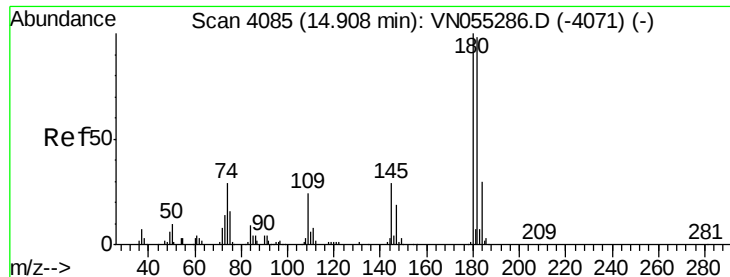
Tot Ion:146 Resp: 364492
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.3 61.0
 148 63.3 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.895 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055374.D
 Acq: 3 May 2019 3:12

Tgt Ion: 75 Resp: 32092
 Ion Ratio Lower Upper
 75 100
 155 79.9 41.5 124.6
 157 107.1 54.0 162.2

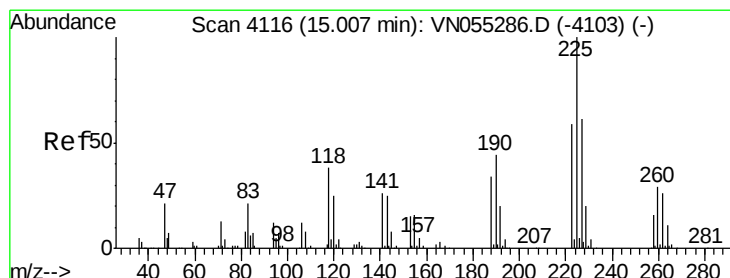
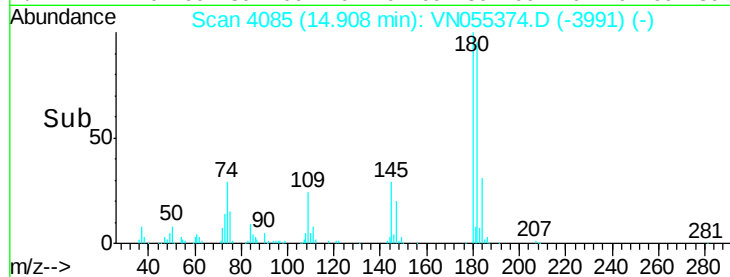
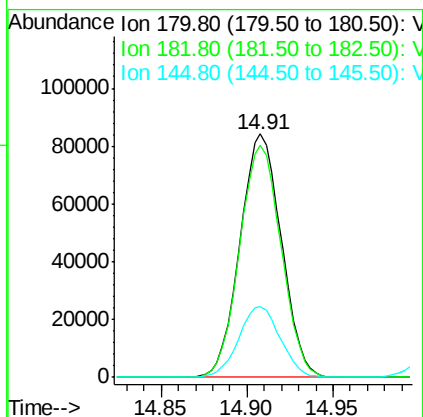
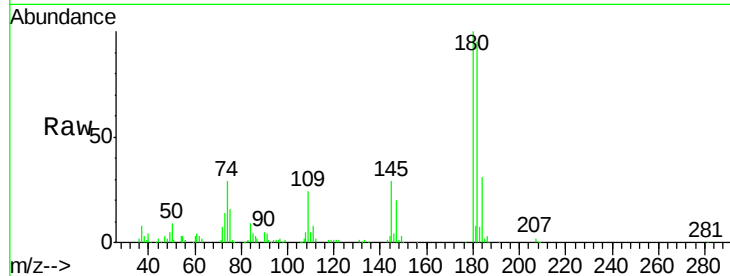




#93
 1,2,4-Trichlorobenzene
 Concen: 46.971 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055374.D
 Acq: 3 May 2019 3:12

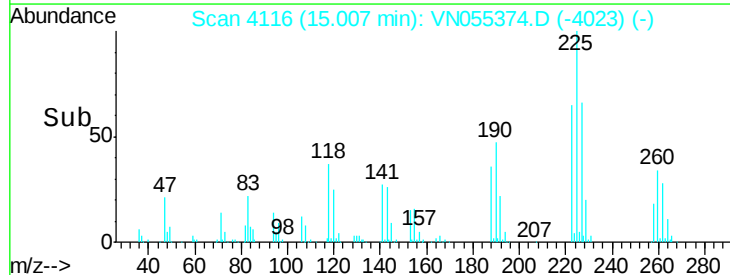
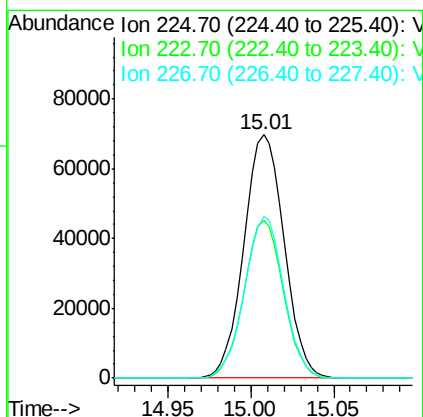
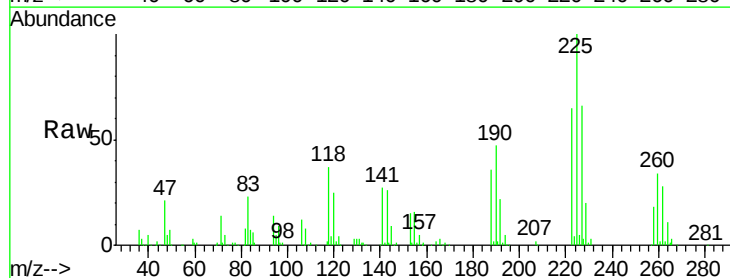
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 140984
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.3 144.9
 145 29.4 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 51.410 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055374.D
 Acq: 3 May 2019 3:12

Tgt Ion:225 Resp: 118139
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.3 90.8
 227 64.5 30.9 92.7





#95

Naphthalene

Concen: 45.703 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

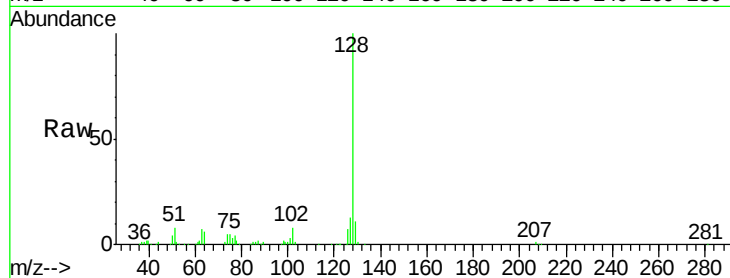
Tot Ion:128 Resp: 291001

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

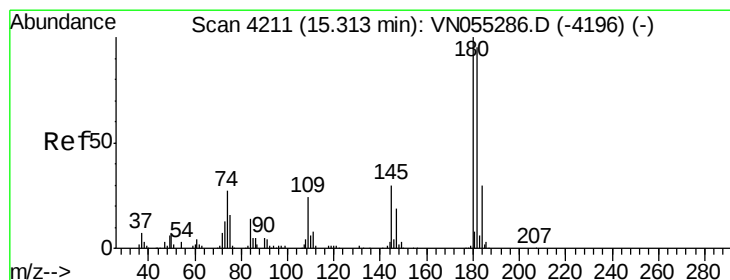
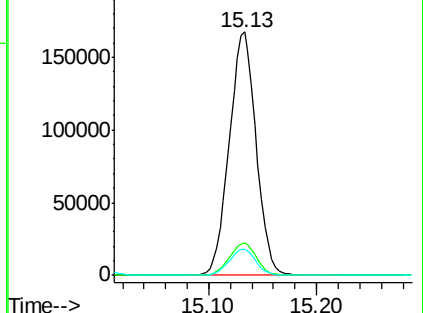
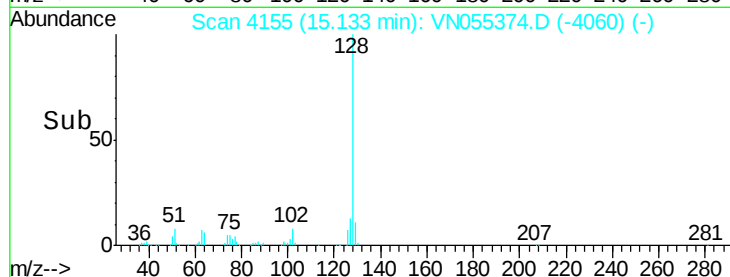
129 10.7 8.6 13.0



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: 48.736 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

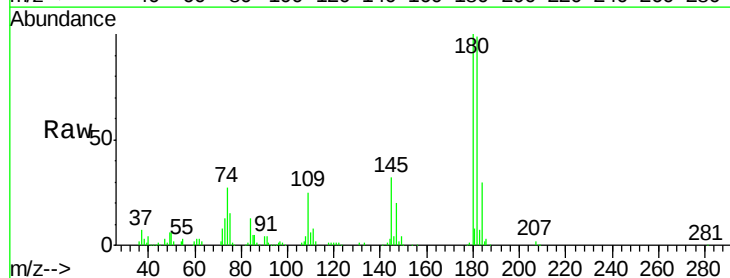
Tgt Ion:180 Resp: 144514

Ion Ratio Lower Upper

180 100

182 96.3 48.3 144.9

145 31.4 15.2 45.6



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

