

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055020.D
 Acq On : 13 Apr 2019 00:38
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 15 01:04:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	504386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	807620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	663404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	278409	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	327761	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
35) Dibromofluoromethane	7.59	113	261245	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
50) Toluene-d8	10.09	98	937118	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.40	95	299052	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	252936	45.464	ug/l	100
3) Chloromethane	2.06	50	311026	41.688	ug/l	98
4) Vinyl Chloride	2.19	62	264864	43.749	ug/l	98
5) Bromomethane	2.55	94	144229	41.154	ug/l	96
6) Chloroethane	2.70	64	145188	43.486	ug/l	97
7) Trichlorofluoromethane	3.02	101	341008	44.904	ug/l	95
8) Diethyl Ether	3.41	74	108032	45.234	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	170076	42.939	ug/l	99
10) Methyl Iodide	3.94	142	330674	57.887	ug/l	94
11) Tert butyl alcohol	4.83	59	95349	244.800	ug/l	99
12) 1,1-Dichloroethene	3.73	96	165894	42.540	ug/l	99
13) Acrolein	3.61	56	105908	225.267	ug/l	97
14) Allyl chloride	4.32	41	430556	45.187	ug/l	100
15) Acrylonitrile	5.00	53	517820	241.037	ug/l	99
16) Acetone	3.82	43	335109	192.718	ug/l	98
17) Carbon Disulfide	4.04	76	565310	44.506	ug/l	98
18) Methyl Acetate	4.33	43	242656	45.019	ug/l	98
19) Methyl tert-butyl Ether	5.06	73	673149	48.312	ug/l	99
20) Methylene Chloride	4.54	84	261263	46.175	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	233939	45.537	ug/l	94
22) Diisopropyl ether	5.96	45	917377	47.485	ug/l	99
23) Vinyl Acetate	5.90	43	3324383	246.027	ug/l	100
24) 1,1-Dichloroethane	5.85	63	473826	45.411	ug/l	98
25) 2-Butanone	6.85	43	642871	240.047	ug/l	99
26) 2,2-Dichloropropane	6.82	77	261740	37.917	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	268214	44.942	ug/l	99
28) Bromochloromethane	7.20	49	224961	45.442	ug/l	99
29) Tetrahydrofuran	7.22	42	428540	244.098	ug/l	99
30) Chloroform	7.37	83	446406	44.866	ug/l	99
31) Cyclohexane	7.65	56	430134	44.447	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	367667	46.385	ug/l	99
36) 1,1-Dichloropropene	7.79	75	341600	45.766	ug/l	99
37) Ethyl Acetate	6.94	43	282451	50.407	ug/l	98
38) Carbon Tetrachloride	7.77	117	306763	43.662	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	340358	39.831	ug/l	100
40) Benzene	8.04	78	1016737	45.056	ug/l	100
41) Methacrylonitrile	7.18	41	165925	48.124	ug/l	97
42) 1,2-Dichloroethane	8.13	62	356080	44.855	ug/l	99
43) Isopropyl Acetate	8.17	43	480181	50.117	ug/l	99
44) Trichloroethene	8.83	130	257129	44.586	ug/l	99
45) 1,2-Dichloropropane	9.12	63	287225	45.103	ug/l	100
46) Dibromomethane	9.21	93	164086	44.968	ug/l	98
47) Bromodichloromethane	9.40	83	337431	45.474	ug/l	99
48) Methyl methacrylate	9.20	41	231799	46.963	ug/l	100
49) 1,4-Dioxane	9.20	88	46107	868.610	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1404349	250.326	ug/l	99
52) Toluene	10.16	92	594907	44.576	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	320199	47.655	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	388050	46.884	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	230034	46.270	ug/l	99
56) Ethyl methacrylate	10.43	69	318866	49.844	ug/l	98
57) 1,3-Dichloropropane	10.71	76	395077	46.066	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	615941	216.878	ug/l	98
59) 2-Hexanone	10.75	43	865021	246.746	ug/l	100
60) Dibromochloromethane	10.90	129	239007	48.297	ug/l	100
61) 1,2-Dibromoethane	11.01	107	220454	46.314	ug/l	100
64) Tetrachloroethene	10.63	164	234420	45.174	ug/l	96
65) Chlorobenzene	11.43	112	614743	48.058	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	232325	49.283	ug/l	99
67) Ethyl Benzene	11.51	91	1113774	47.401	ug/l	98
68) m/p-Xylenes	11.62	106	813336	94.612	ug/l	99
69) o-Xylene	11.95	106	396456	46.611	ug/l	99
70) Styrene	11.96	104	675797	50.109	ug/l	99
71) Bromoform	12.13	173	146972	45.703	ug/l #	100
73) Isopropylbenzene	12.25	105	1033491	43.660	ug/l	99
74) N-amyl acetate	12.07	43	413852	58.004	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	285715	46.620	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	328004	64.038	ug/l #	100
77) Bromobenzene	12.53	156	264421	49.818	ug/l	99
78) n-propylbenzene	12.59	91	1142550	44.303	ug/l	100
79) 2-Chlorotoluene	12.67	91	700259	43.953	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	846686	43.938	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	59895	48.265	ug/l	97
82) 4-Chlorotoluene	12.77	91	706600	45.859	ug/l	100
83) tert-Butylbenzene	12.99	119	706923	42.822	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	835763	45.231	ug/l	100
85) sec-Butylbenzene	13.17	105	893422	42.387	ug/l	99
86) p-Isopropyltoluene	13.29	119	950066	51.821	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	425707	45.018	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	415020	45.887	ug/l	100
89) n-Butylbenzene	13.62	91	653076	45.356	ug/l	99
90) Hexachloroethane	13.88	117	123086	40.629	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	424888	46.283	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42836	53.753	ug/l	97

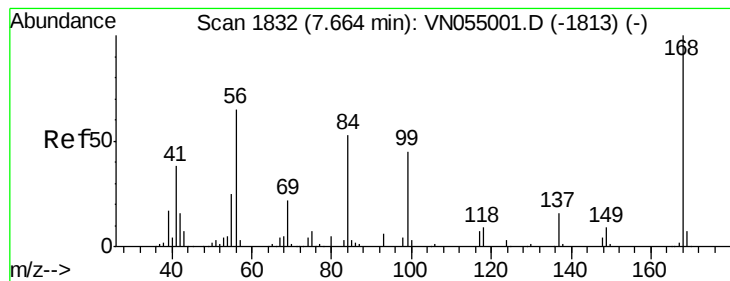
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	203337	44.979	ug/l	99
94) Hexachlorobutadiene	15.01	225	121896	44.266	ug/l	98
95) Naphthalene	15.13	128	503505	47.574	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	203468	49.134	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: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

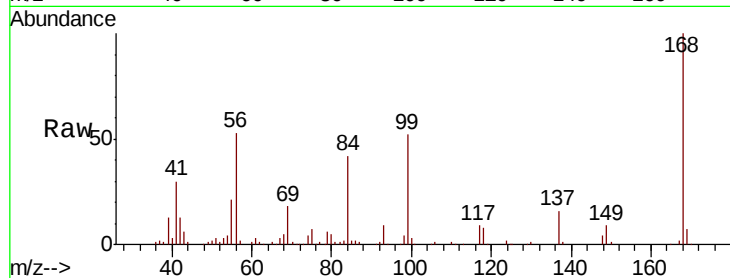
VSTDCCC050EC

Tot Ion:168 Resp: 504386

Ion Ratio Lower Upper

168 100

99 51.5 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

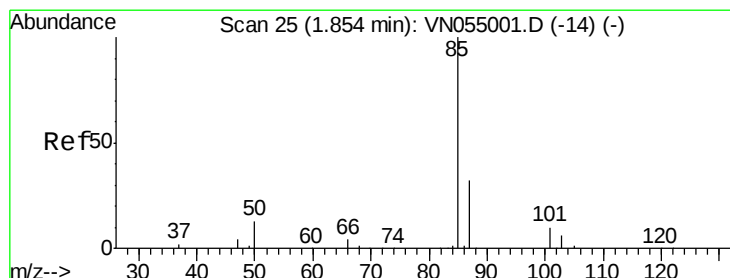
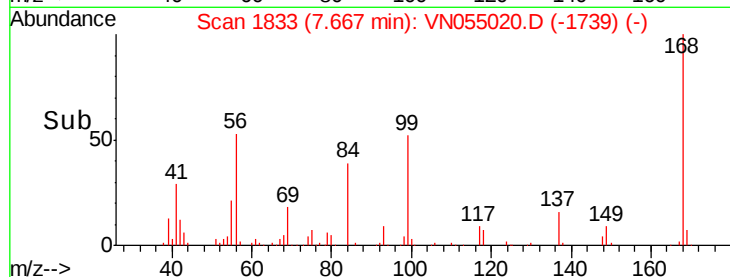
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.464 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055020.D

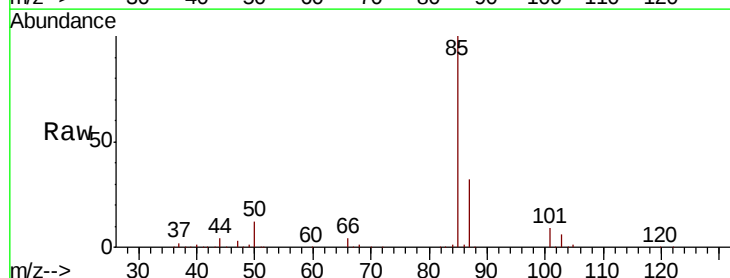
Acq: 13 Apr 2019 00:38

Tgt Ion: 85 Resp: 252936

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

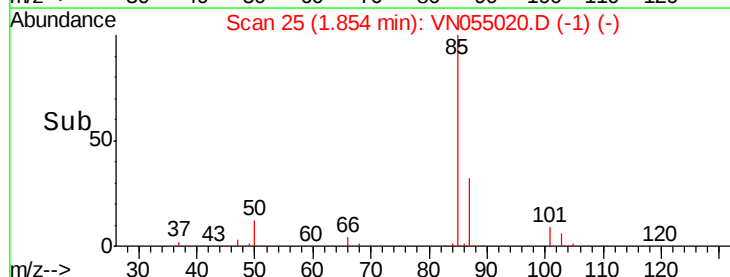
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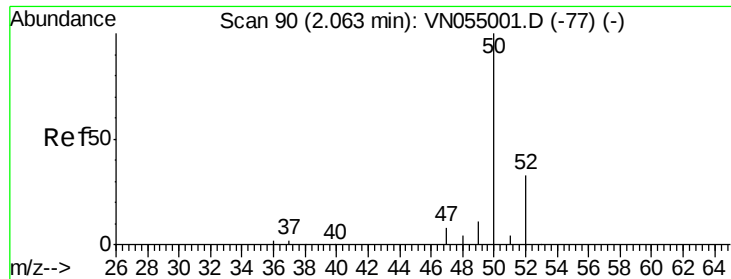
50000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 41.688 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

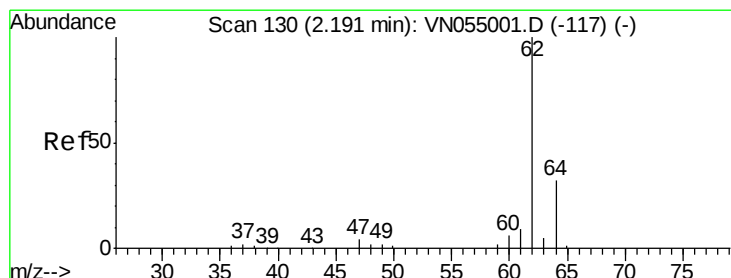
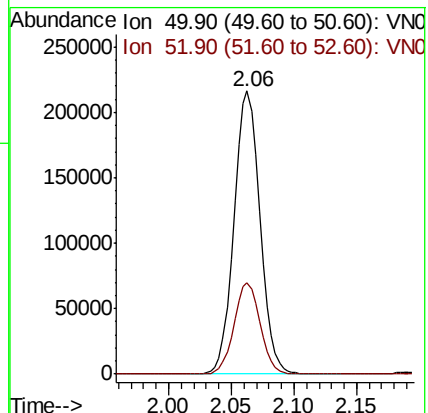
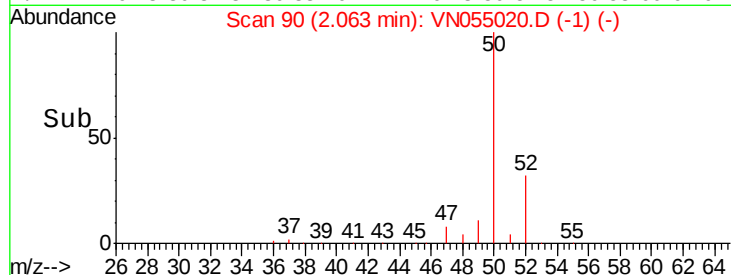
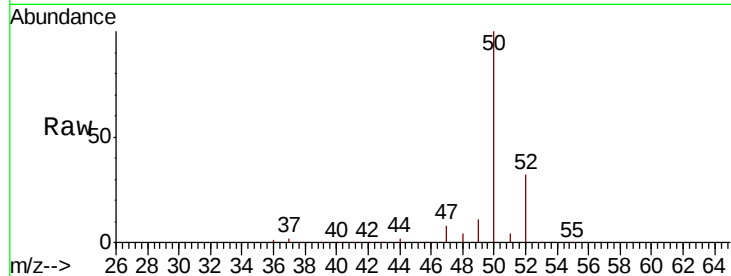
VSTDCCC050EC

Tot Ion: 50 Resp: 311026

Ion Ratio Lower Upper

50 100

52 32.4 26.6 40.0



#4

Vinyl Chloride

Concen: 43.749 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055020.D

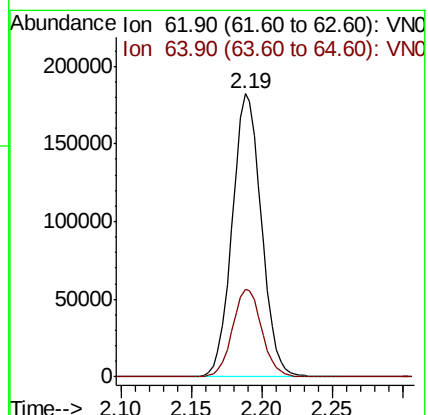
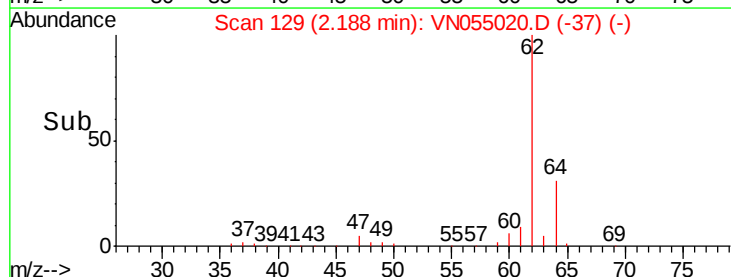
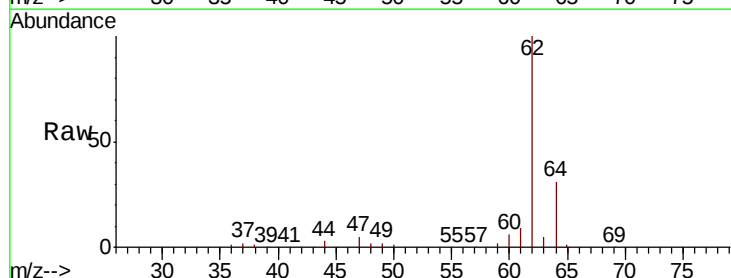
Acq: 13 Apr 2019 00:38

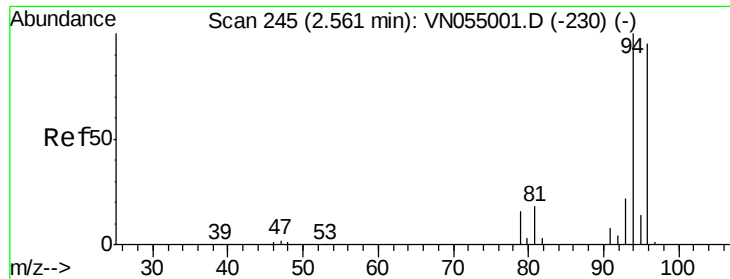
Tgt Ion: 62 Resp: 264864

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.6





#5

Bromomethane

Concen: 41.154 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

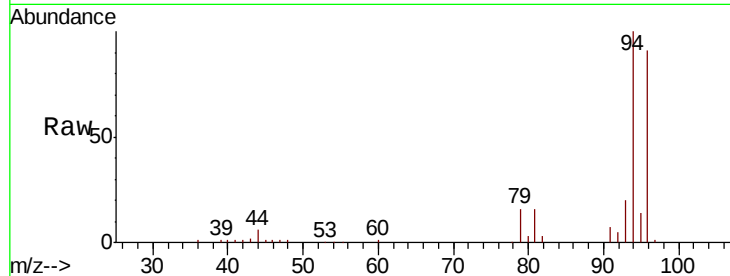
VSTDCCC050EC

Tot Ion: 94 Resp: 144229

Ion Ratio Lower Upper

94 100

96 91.0 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

80000

60000

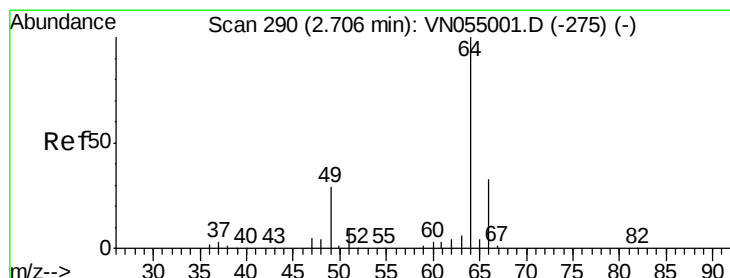
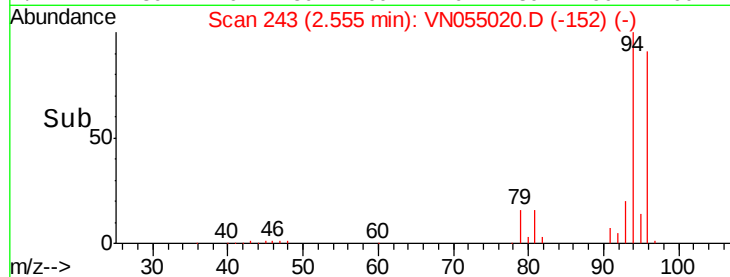
40000

20000

0

Time-->

2.50 2.60 2.70



#6

Chloroethane

Concen: 43.486 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN055020.D

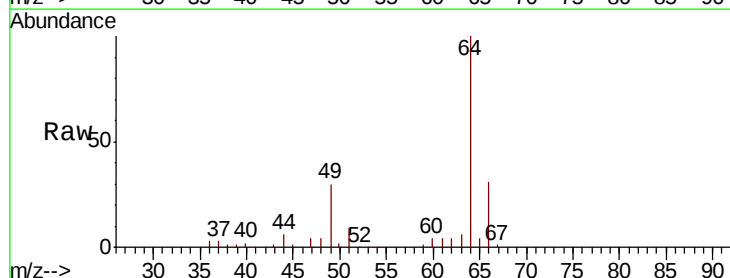
Acq: 13 Apr 2019 00:38

Tgt Ion: 64 Resp: 145188

Ion Ratio Lower Upper

64 100

66 31.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

80000

60000

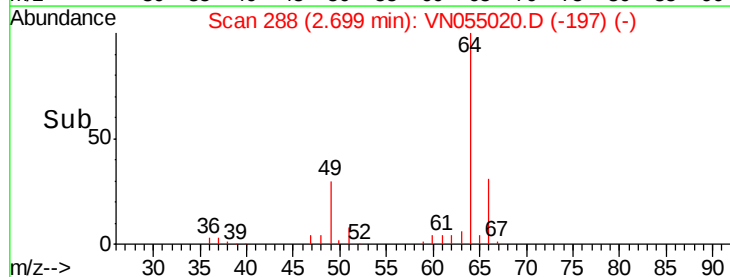
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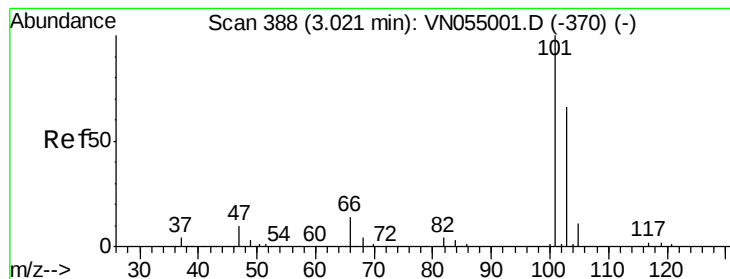
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0

Time-->

2.60 2.65 2.70 2.75 2.80



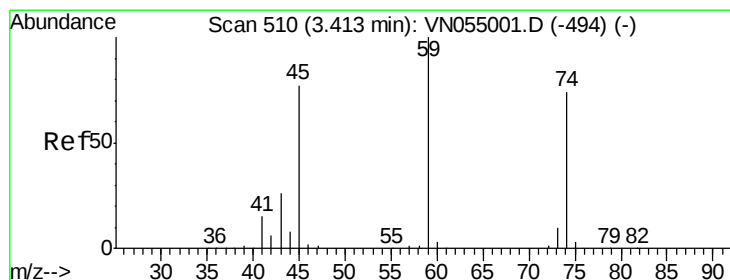
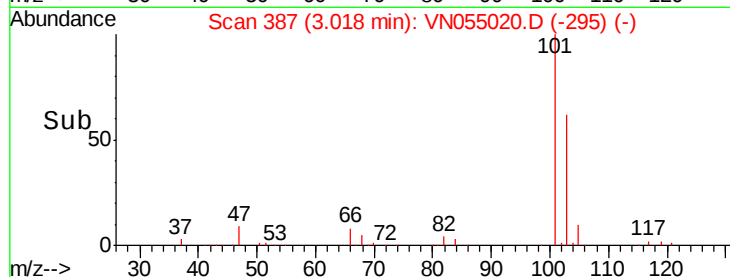
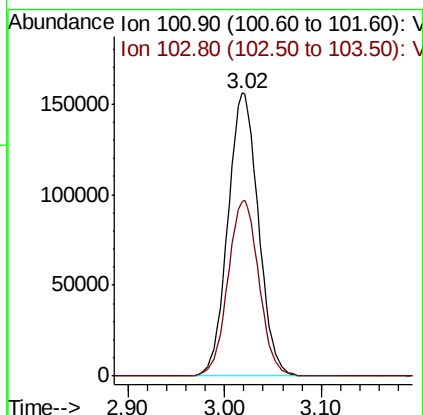
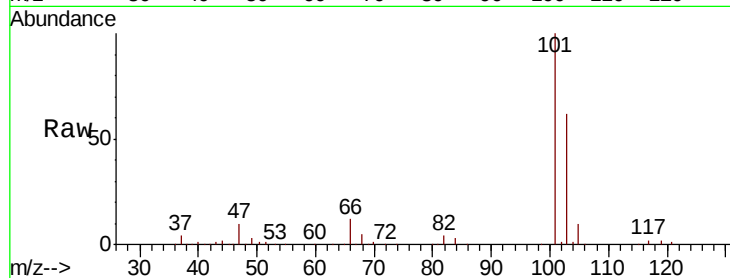


#7

Trichlorofluoromethane
 Concen: 44.904 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Instrument :
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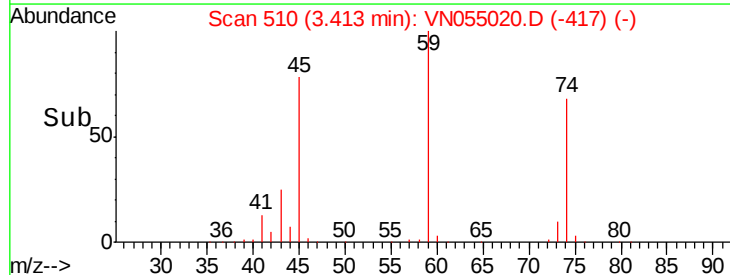
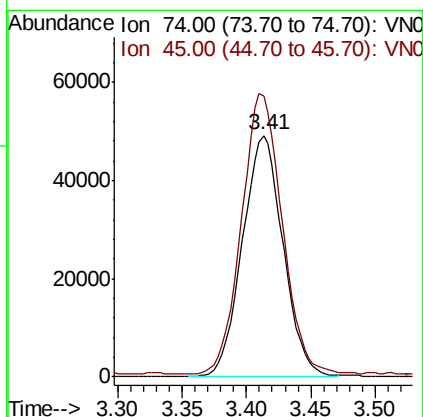
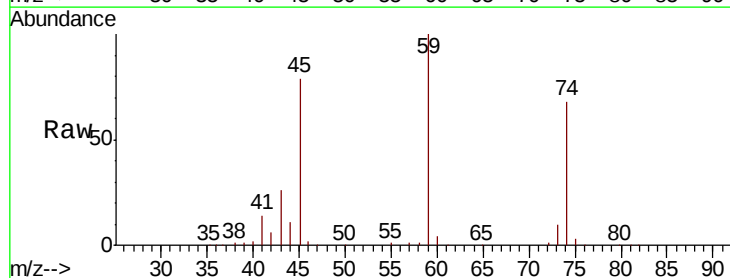
Tot Ion:101 Resp: 341008
 Ion Ratio Lower Upper
 101 100
 103 61.6 52.5 78.7

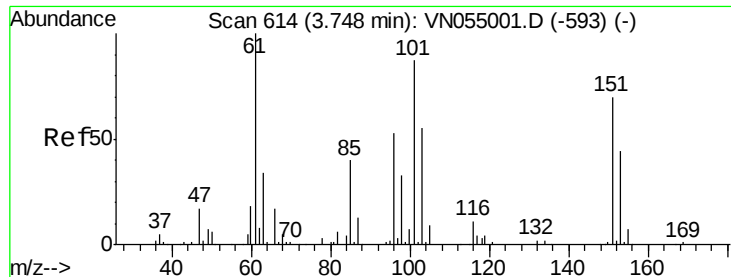


#8

Diethyl Ether
 Concen: 45.234 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion: 74 Resp: 108032
 Ion Ratio Lower Upper
 74 100
 45 116.0 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.939 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

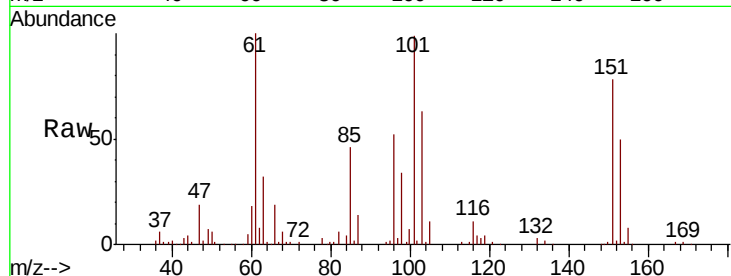
Tot Ion:101 Resp: 170076

Ion Ratio Lower Upper

101 100

85 46.8 36.9 55.3

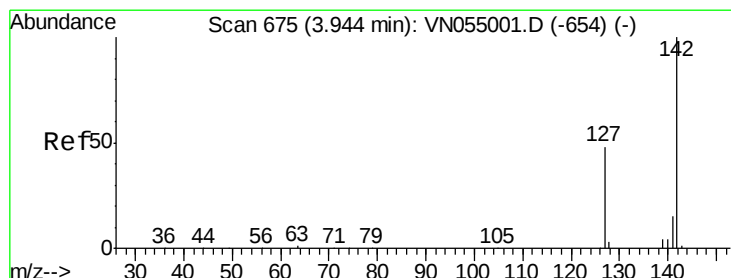
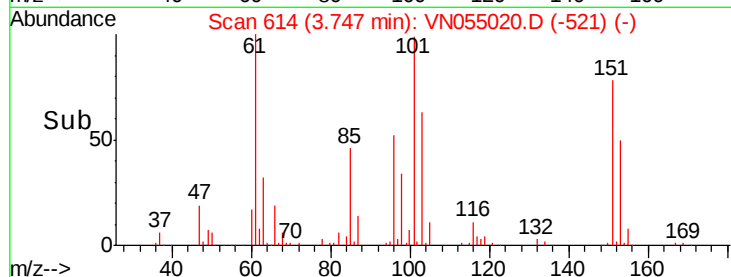
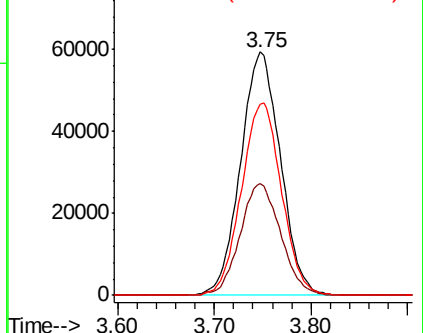
151 79.4 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 57.887 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

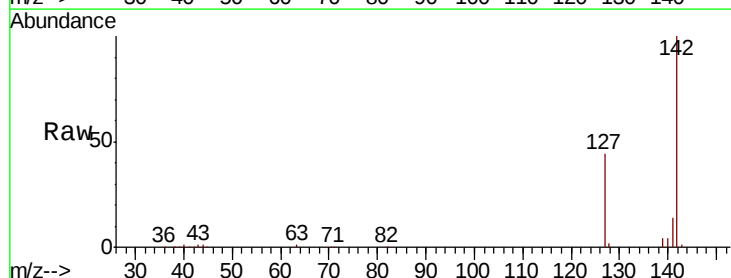
Tgt Ion:142 Resp: 330674

Ion Ratio Lower Upper

142 100

127 42.3 37.9 56.9

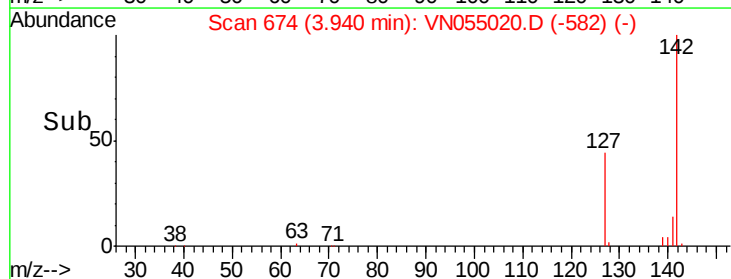
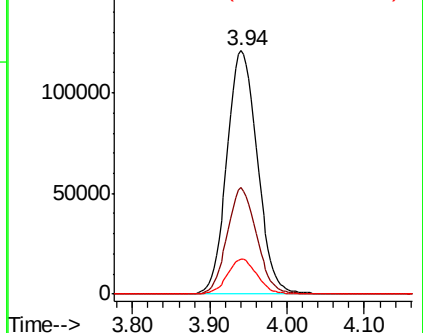
141 14.1 11.8 17.8

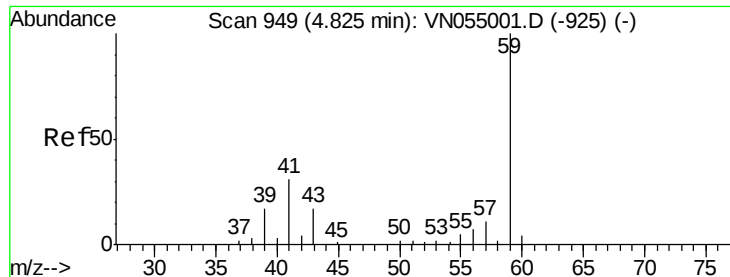


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

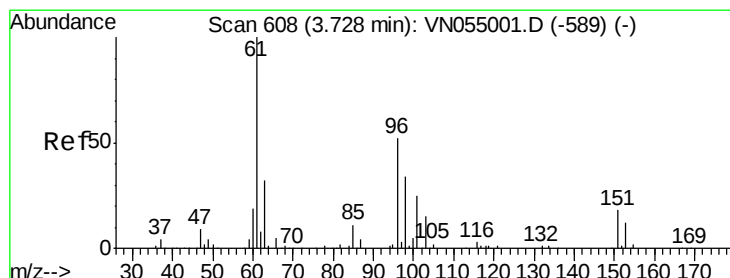
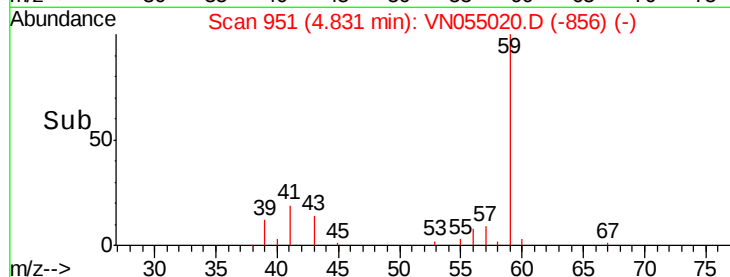
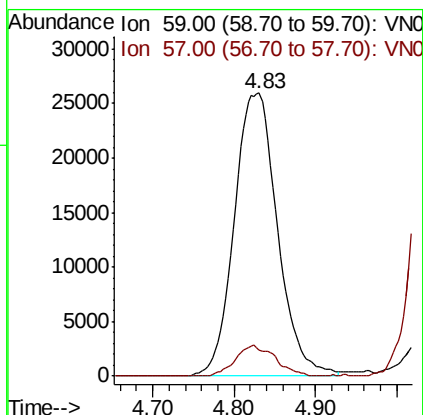
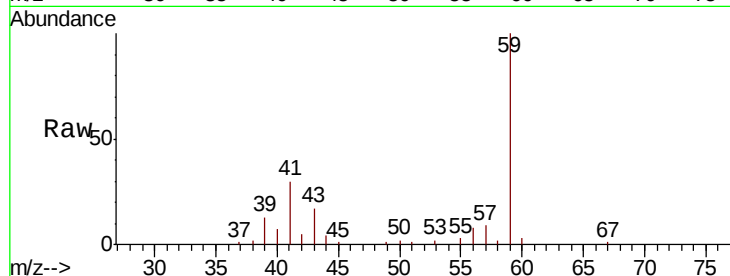




#11
Tert butyl alcohol
Concen: 244.800 ug/l
RT: 4.83 min Scan# 951
Delta R.T. 0.01 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

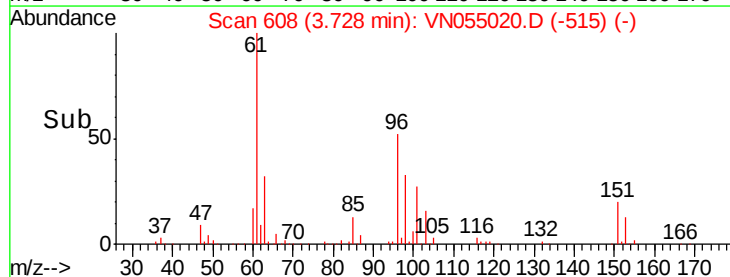
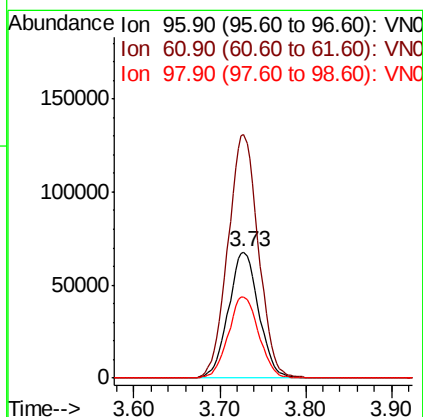
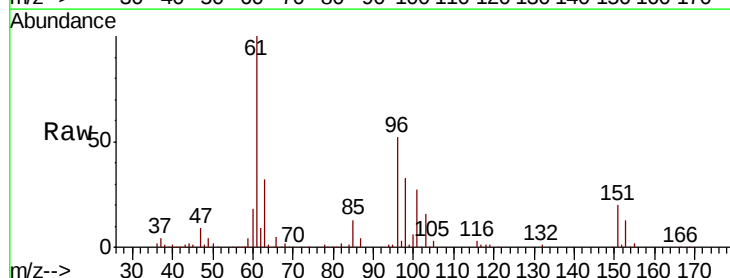
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

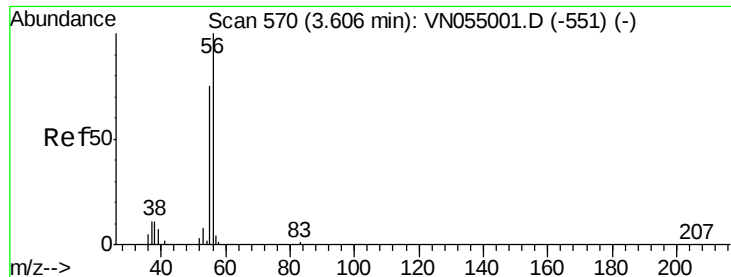
Tot Ion: 59 Resp: 95349
Ion Ratio Lower Upper
59 100
57 10.1 8.3 12.5



#12
1,1-Dichloroethene
Concen: 42.540 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion: 96 Resp: 165894
Ion Ratio Lower Upper
96 100
61 193.4 154.2 231.4
98 64.1 52.9 79.3





#13

Acrolein

Concen: 225.267 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

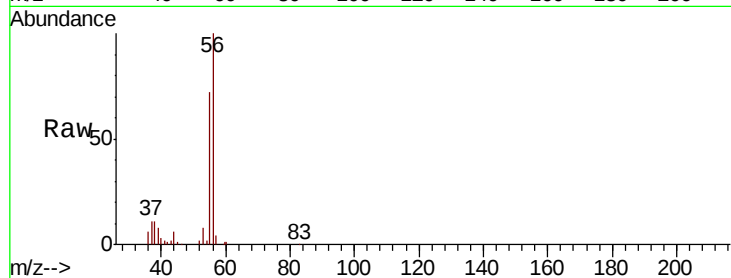
VSTDCCC050EC

Tot Ion: 56 Resp: 105908

Ion Ratio Lower Upper

56 100

55 72.2 59.5 89.3

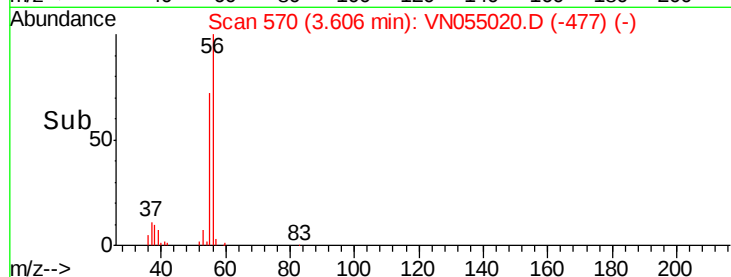


Abundance Ion 56.00 (55.70 to 56.70): VN055020.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN055020.D (-551) (-)

3.61

Time-->



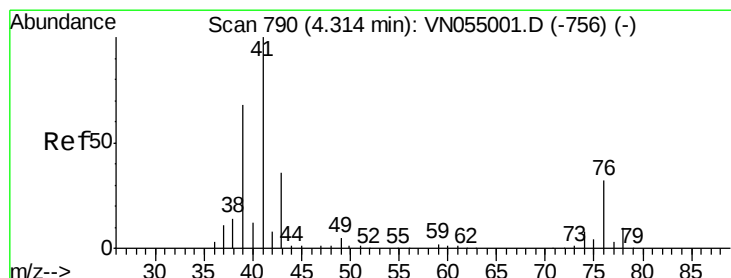
Abundance

Ion 56.00 (55.70 to 56.70): VN055020.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN055020.D (-477) (-)

3.61

Time-->



#14

Allyl chloride

Concen: 45.187 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

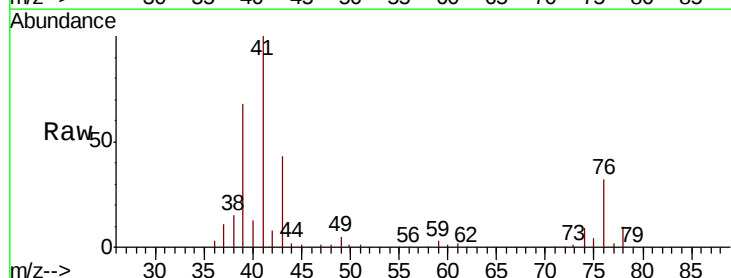
Tgt Ion: 41 Resp: 430556

Ion Ratio Lower Upper

41 100

39 65.8 52.7 79.1

76 29.3 23.2 34.8



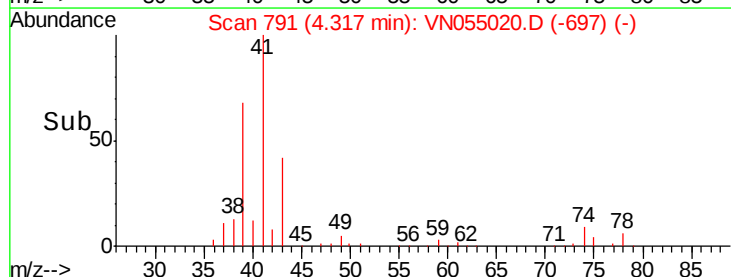
Abundance Ion 41.00 (40.70 to 41.70): VN055020.D (-697) (-)

Ion 39.00 (38.70 to 39.70): VN055020.D (-697) (-)

Ion 75.90 (75.60 to 76.60): VN055020.D (-697) (-)

4.32

Time-->



Abundance

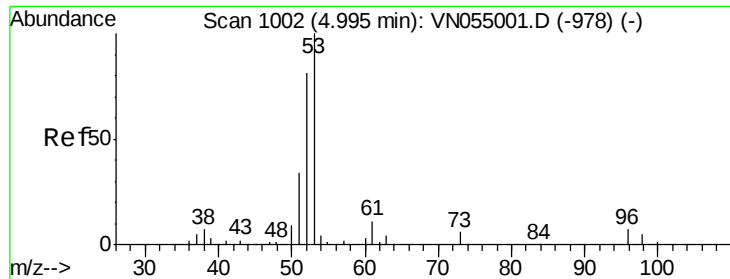
Ion 41.00 (40.70 to 41.70): VN055020.D (-697) (-)

Ion 39.00 (38.70 to 39.70): VN055020.D (-697) (-)

Ion 75.90 (75.60 to 76.60): VN055020.D (-697) (-)

4.32

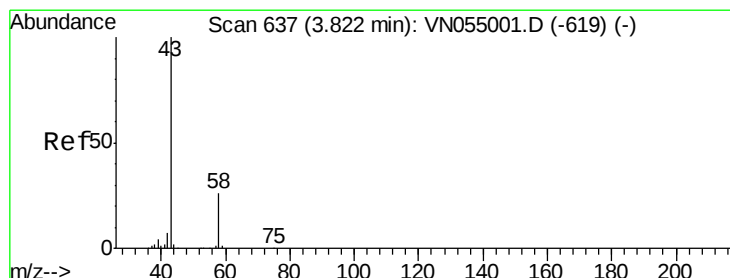
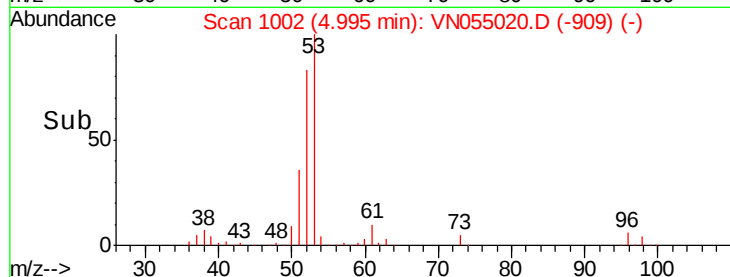
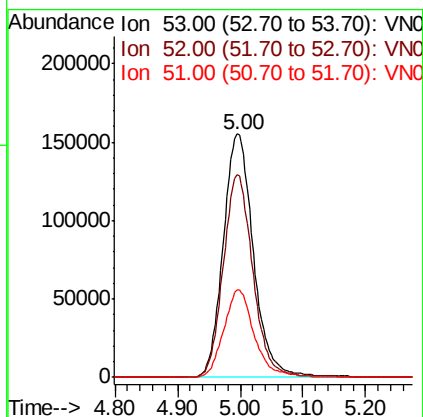
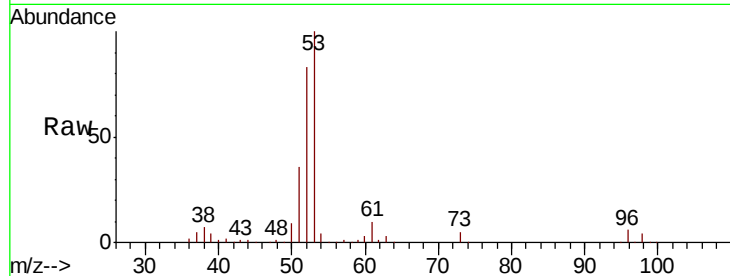
Time-->



#15
 Acrylonitrile
 Concen: 241.037 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

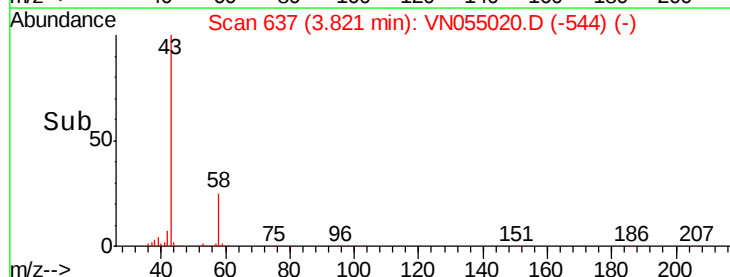
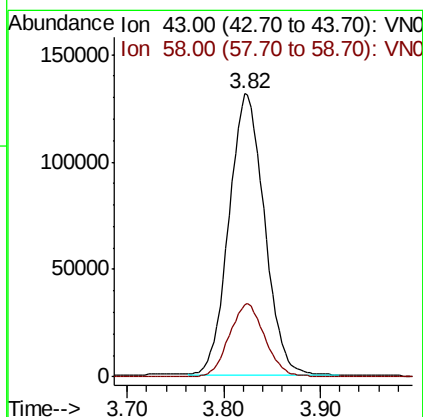
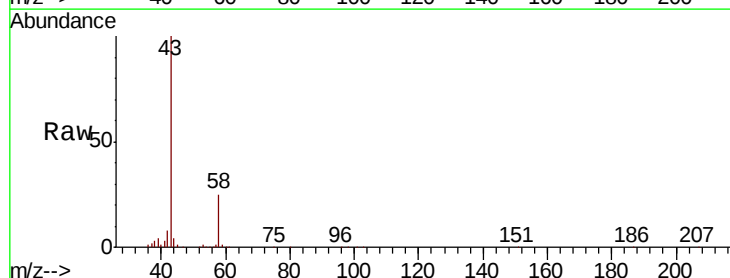
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

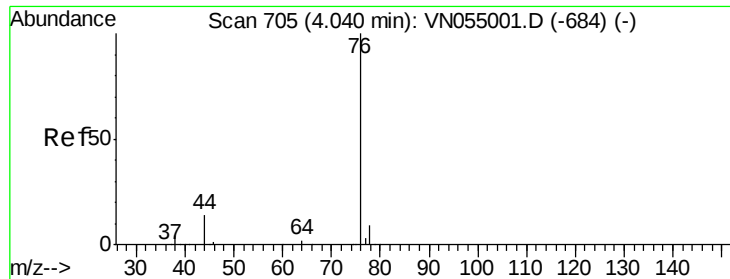
Tot Ion: 53 Resp: 517820
 Ion Ratio Lower Upper
 53 100
 52 81.6 65.9 98.9
 51 36.5 29.7 44.5



#16
 Acetone
 Concen: 192.718 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion: 43 Resp: 335109
 Ion Ratio Lower Upper
 43 100
 58 25.3 20.9 31.3

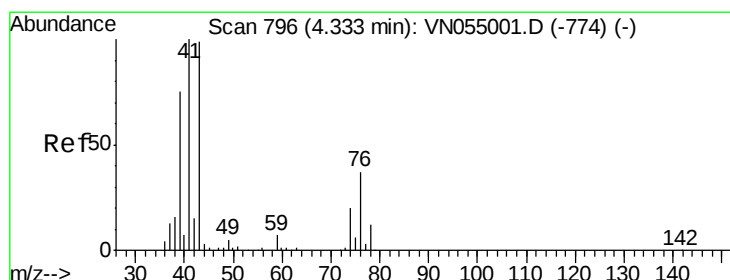
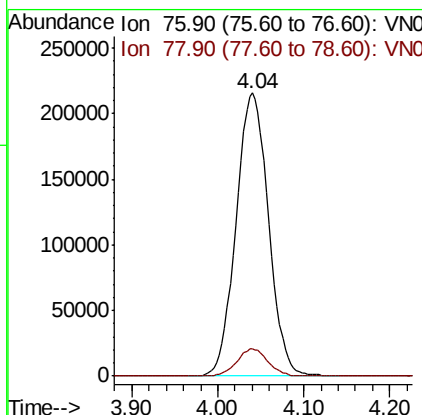
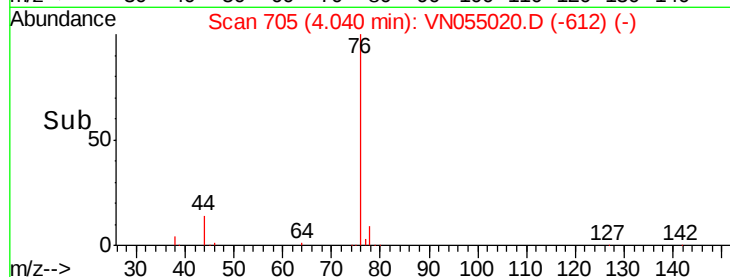
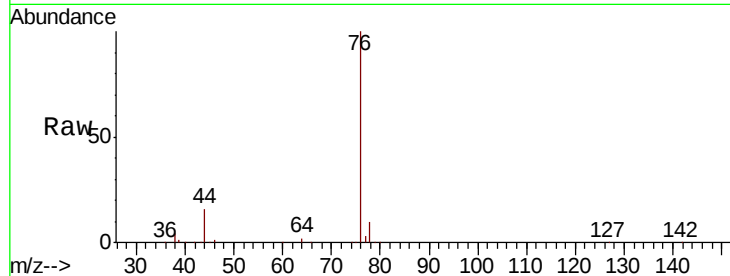




#17
Carbon Disulfide
Concen: 44.506 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

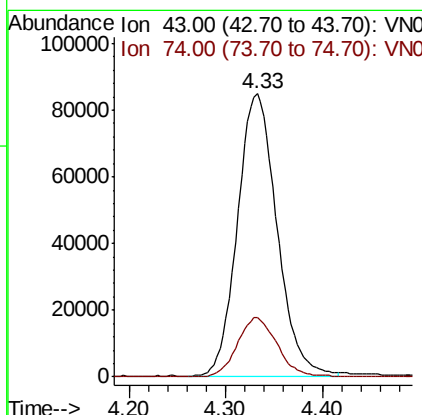
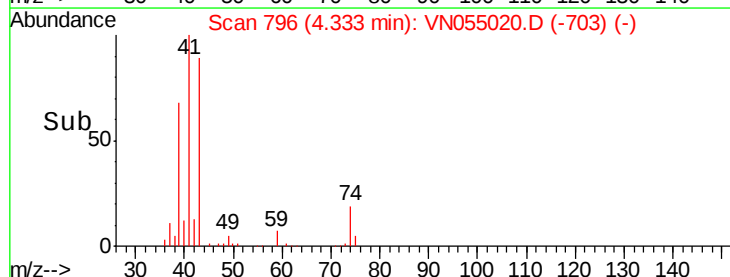
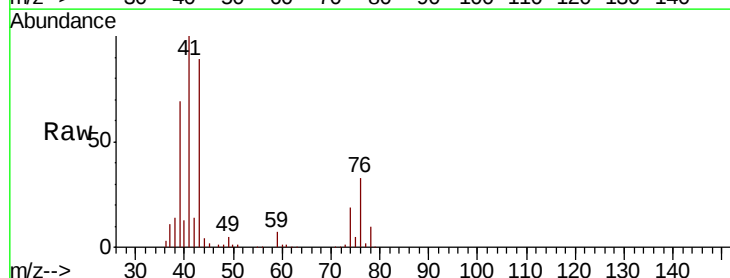
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

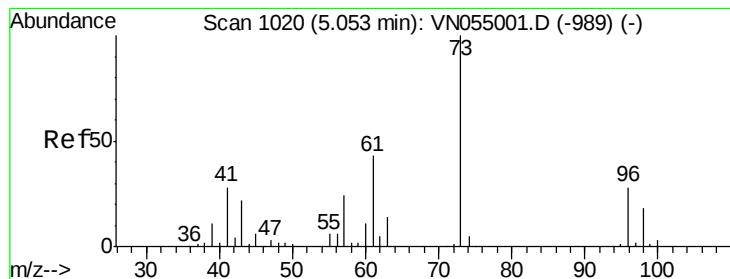
Tot Ion: 76 Resp: 565310
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#18
Methyl Acetate
Concen: 45.019 ug/l
RT: 4.33 min Scan# 796
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion: 43 Resp: 242656
Ion Ratio Lower Upper
43 100
74 21.0 16.1 24.1



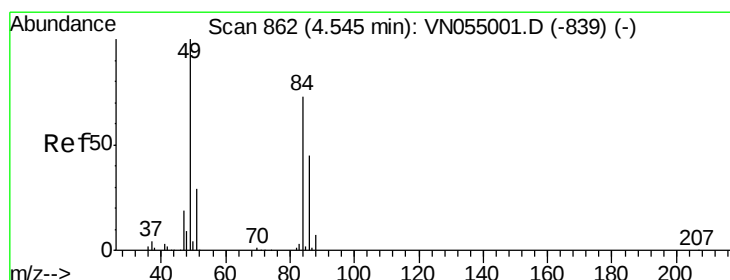
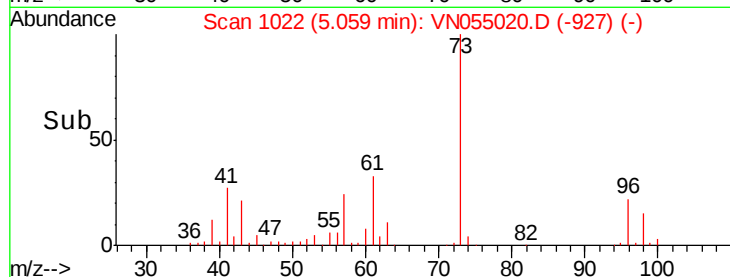
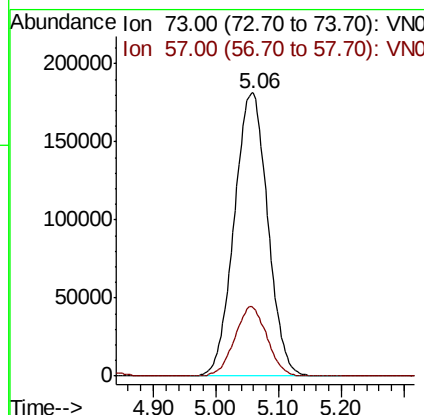
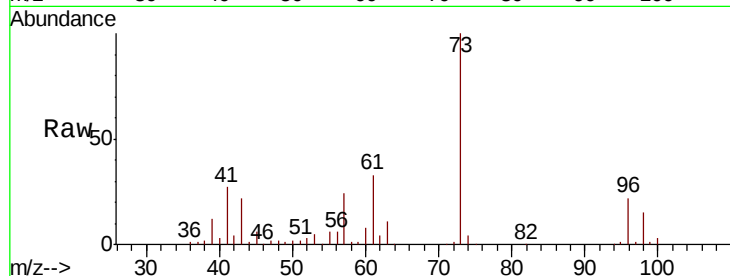


#19

Methyl tert-butyl Ether
 Concen: 48.312 ug/l
 RT: 5.06 min Scan# 1022
 Delta R.T. 0.01 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

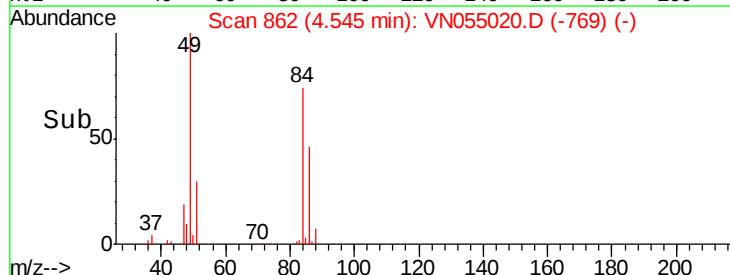
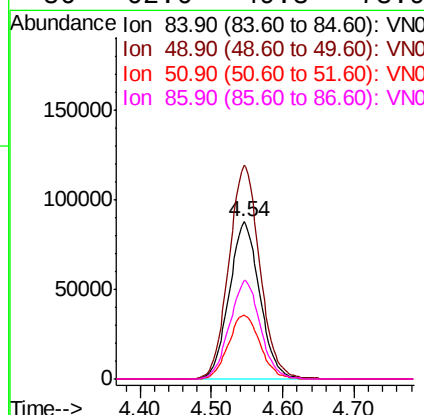
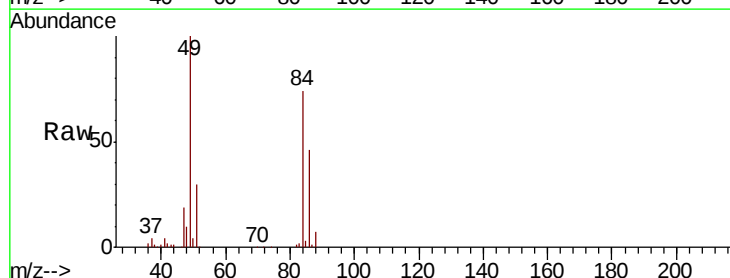
Tot Ion: 73 Resp: 673149
 Ion Ratio Lower Upper
 73 100
 57 24.0 19.0 28.4

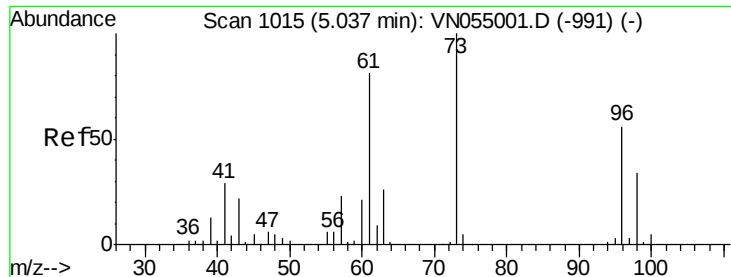


#20

Methylene Chloride
 Concen: 46.175 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion: 84 Resp: 261263
 Ion Ratio Lower Upper
 84 100
 49 135.9 109.4 164.2
 51 40.6 32.2 48.4
 86 62.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 45.537 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

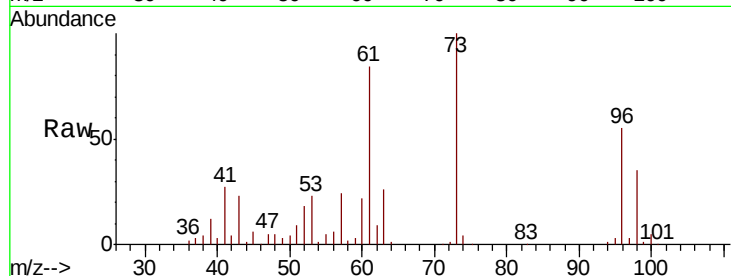
Tot Ion: 96 Resp: 233939

Ion Ratio Lower Upper

96 100

61 151.7 114.9 172.3

98 63.7 48.4 72.6

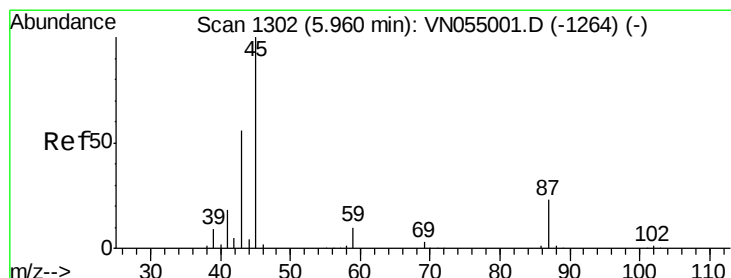
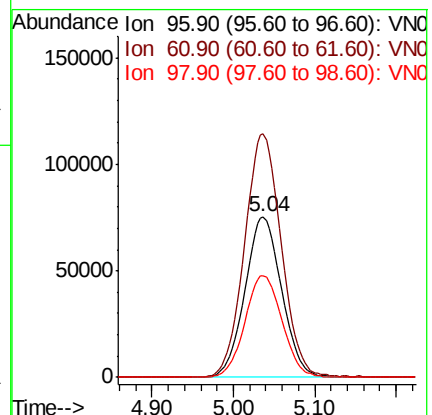
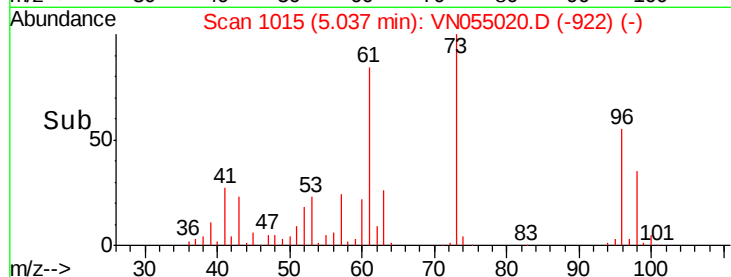


Abundance

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



#22

Diisopropyl ether

Concen: 47.485 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Tgt Ion: 45 Resp: 917377

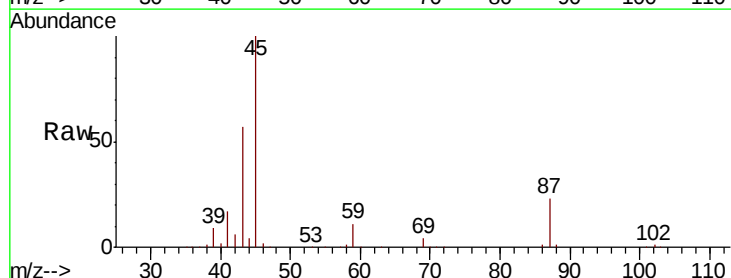
Ion Ratio Lower Upper

45 100

43 56.7 44.8 67.2

87 23.3 18.9 28.3

59 10.5 7.9 11.9



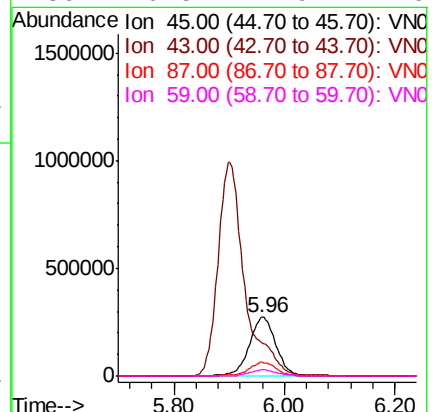
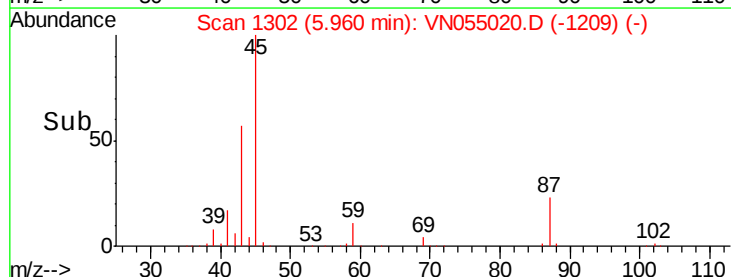
Abundance

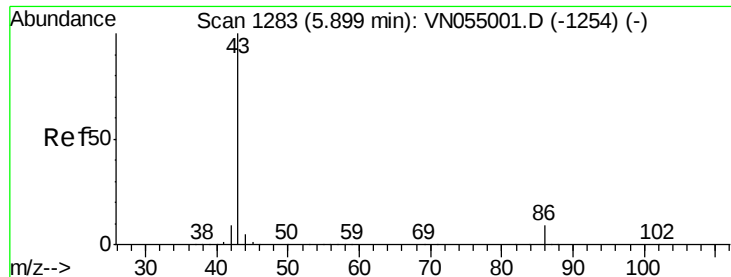
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 246.027 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

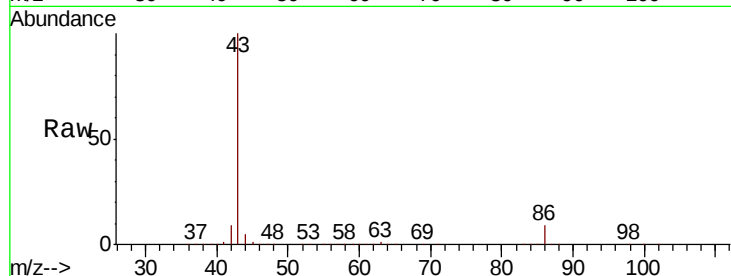
VSTDCCC050EC

Tot Ion: 43 Resp: 3324383

Ion Ratio Lower Upper

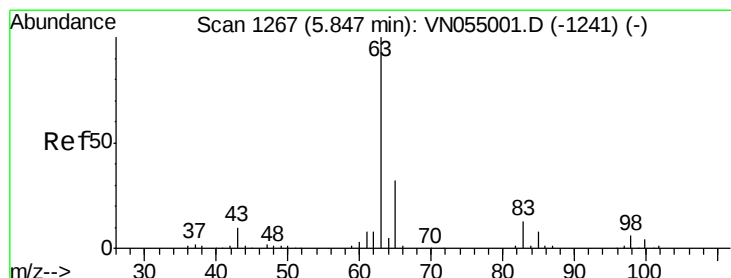
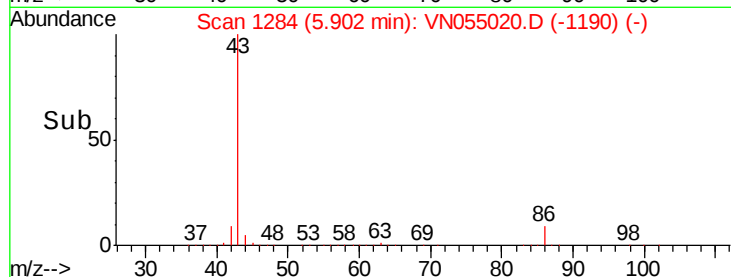
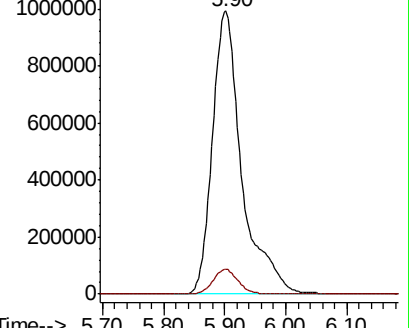
43 100

86 8.7 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN055001.D (-1254) (-)



#24

1,1-Dichloroethane

Concen: 45.411 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

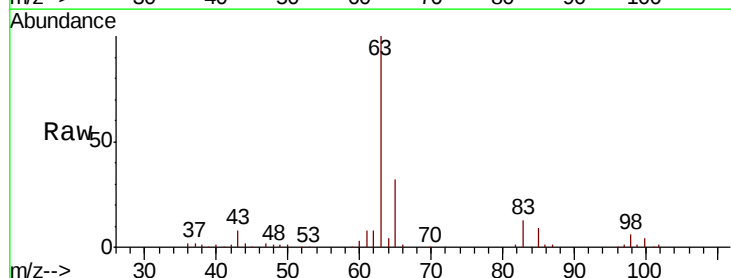
Tgt Ion: 63 Resp: 473826

Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.4

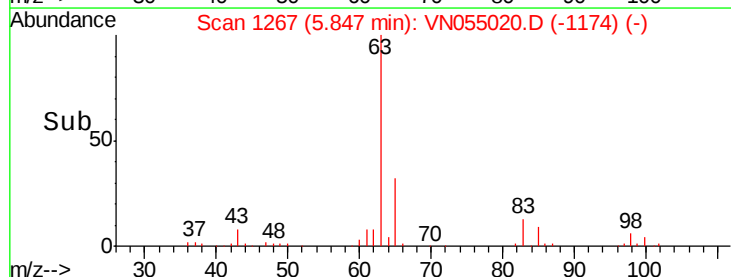
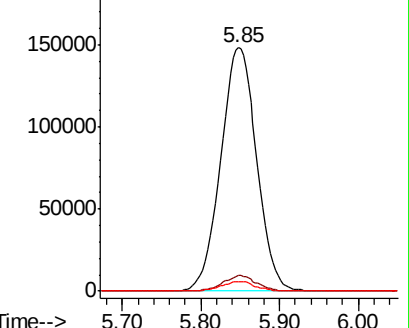
100 3.9 2.0 5.8

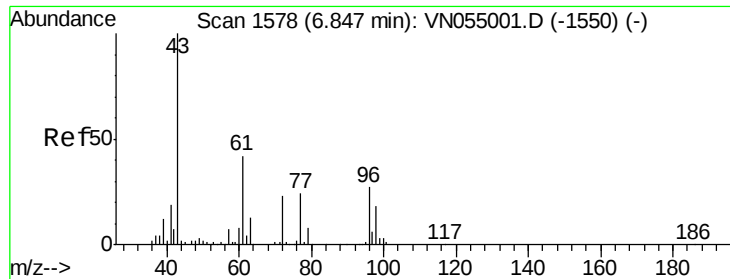


Abundance Ion 62.90 (62.60 to 63.60): VN055001.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055001.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055001.D (-1241) (-)





#25

2-Butanone

Concen: 240.047 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

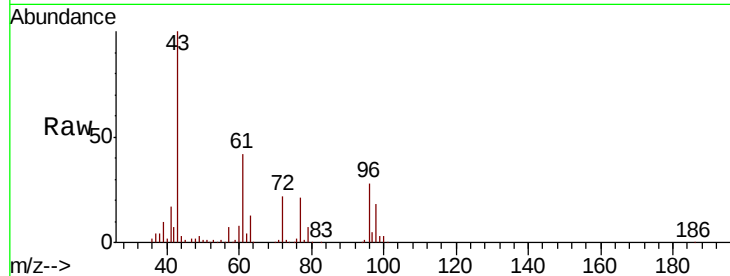
VSTDCCC050EC

Tot Ion: 43 Resp: 642871

Ion Ratio Lower Upper

43 100

72 22.0 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1550) (-)

Ion 72.00 (71.70 to 72.70): VN055001.D (-1550) (-)

6.85

250000

200000

150000

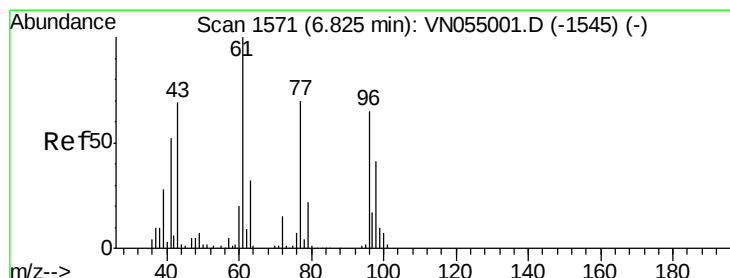
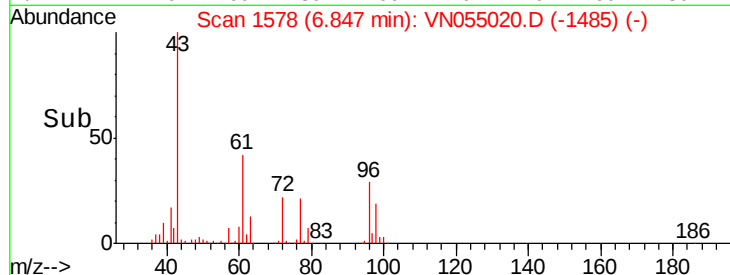
100000

50000

0

Time-->

6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 37.917 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055020.D

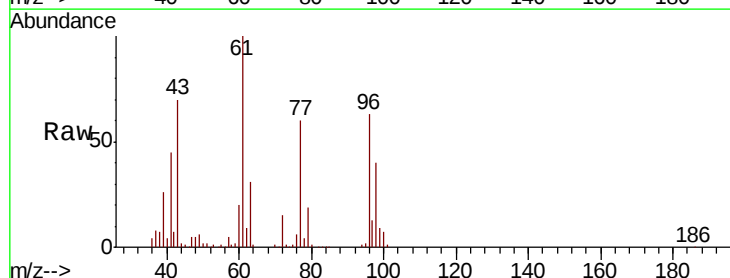
Acq: 13 Apr 2019 00:38

Tgt Ion: 77 Resp: 261740

Ion Ratio Lower Upper

77 100

97 24.1 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN055001.D (-1545) (-)

Ion 96.90 (96.60 to 97.60): VN055001.D (-1545) (-)

6.82

100000

80000

60000

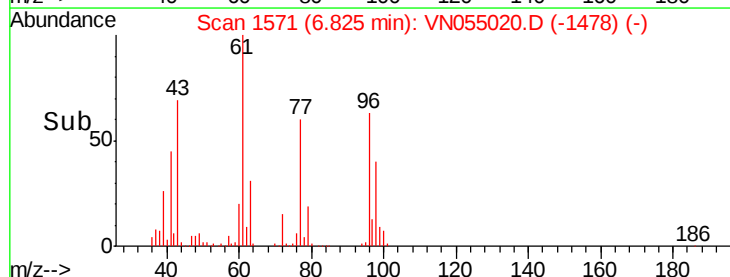
40000

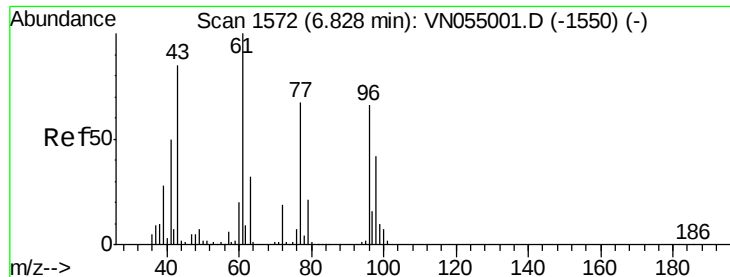
20000

0

Time-->

6.70 6.80 6.90

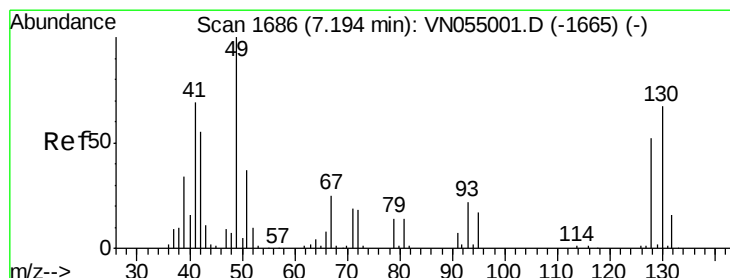
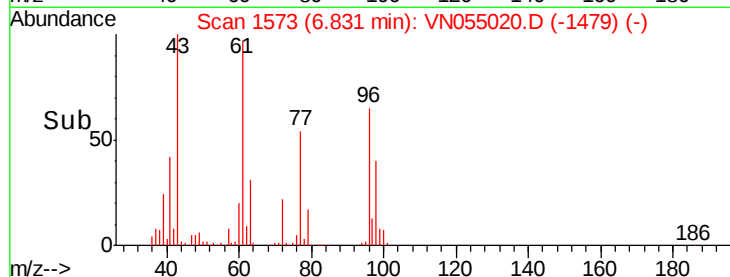
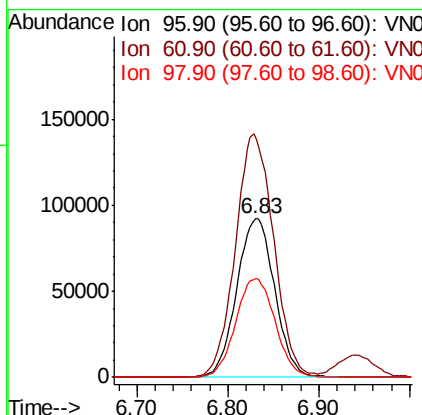
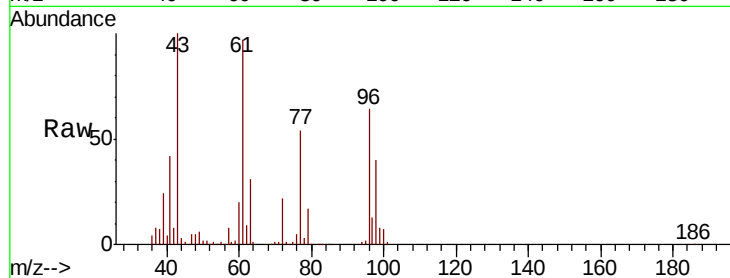




#27
 cis-1,2-Dichloroethene
 Concen: 44.942 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

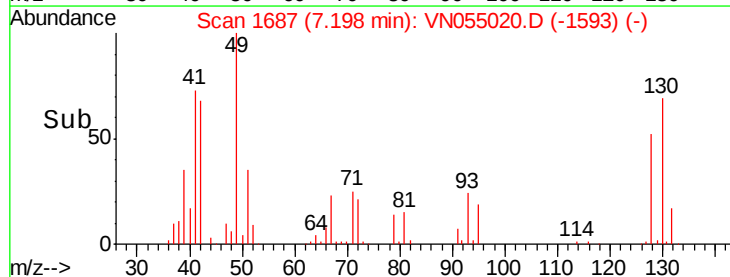
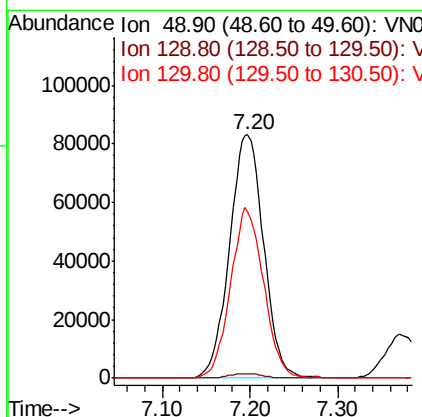
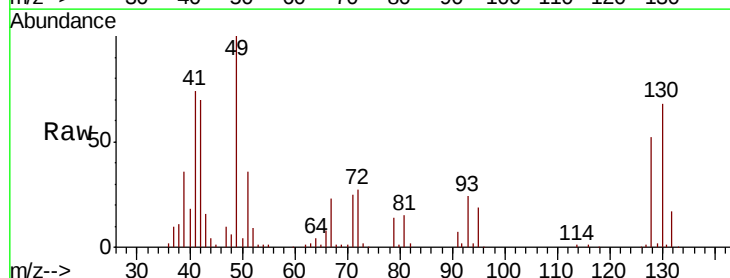
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

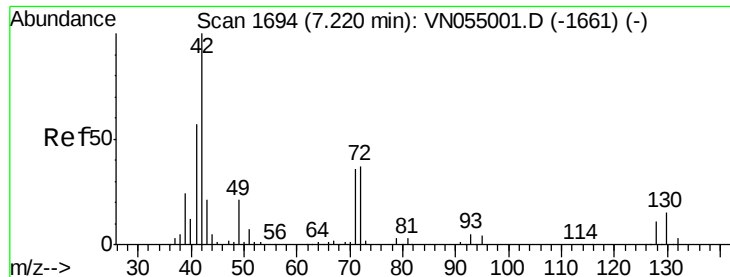
Tot Ion: 96 Resp: 268214
 Ion Ratio Lower Upper
 96 100
 61 154.2 0.0 311.0
 98 64.4 0.0 127.4



#28
 Bromochloromethane
 Concen: 45.442 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion: 49 Resp: 224961
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 2.0
 130 67.5 53.4 80.2

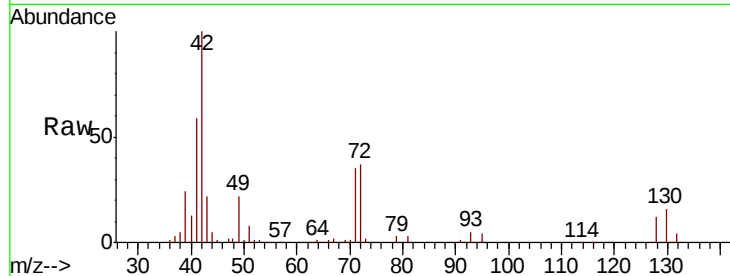




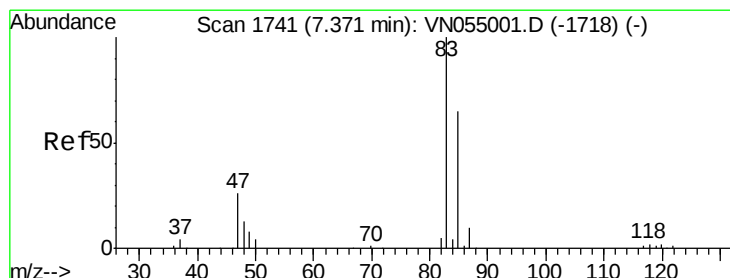
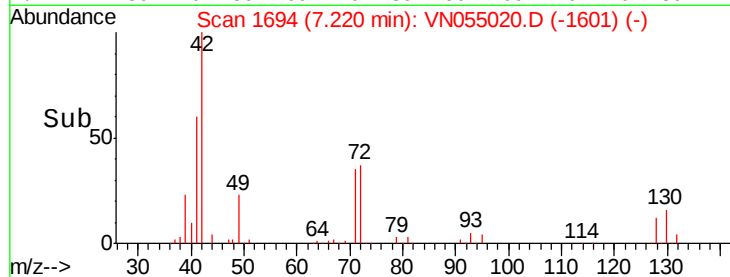
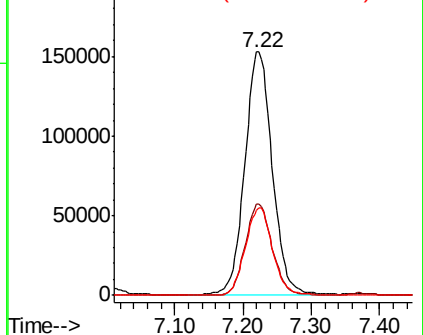
#29
Tetrahydrofuran
Concen: 244.098 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 428540
Ion Ratio Lower Upper
42 100
72 36.8 29.4 44.0
71 35.5 27.8 41.6

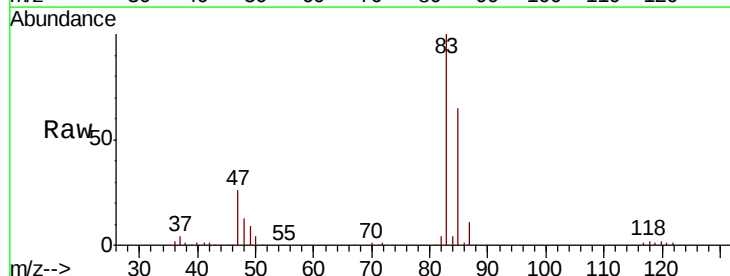


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

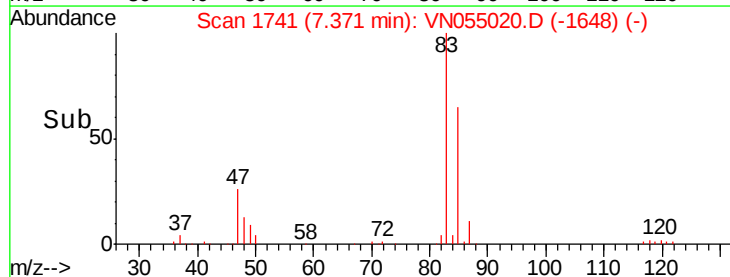
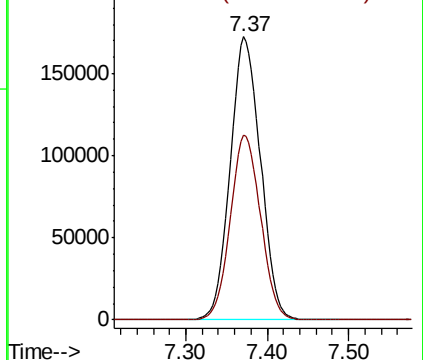


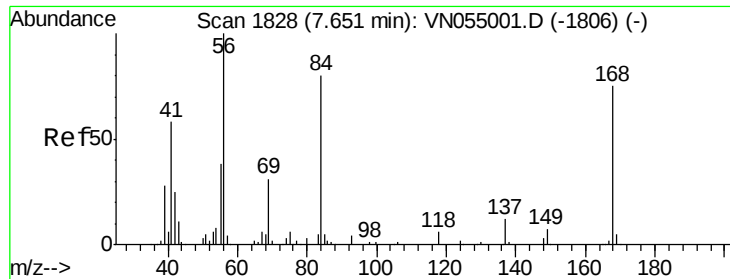
#30
Chloroform
Concen: 44.866 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion: 83 Resp: 446406
Ion Ratio Lower Upper
83 100
85 65.4 51.8 77.6



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

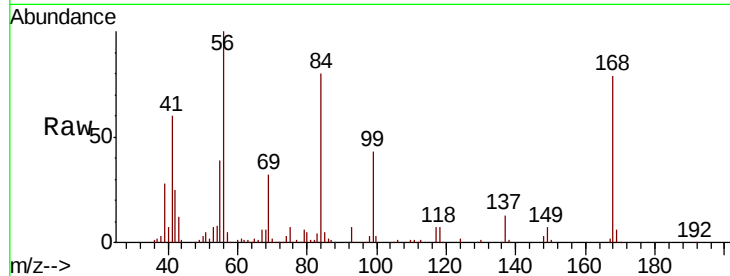




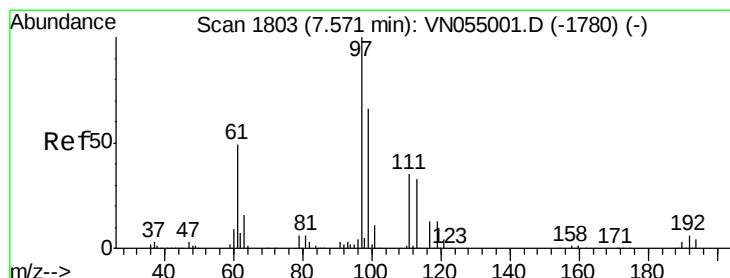
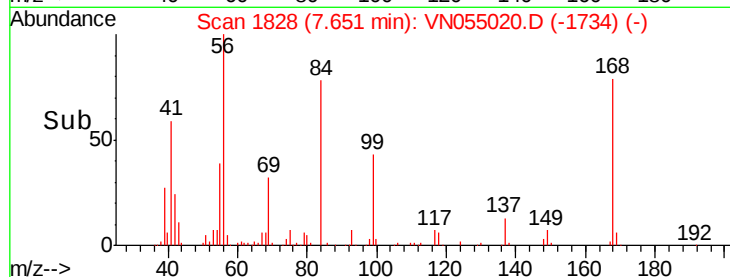
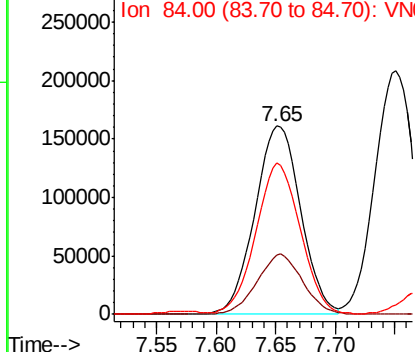
#31
Cyclohexane
Concen: 44.447 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 430134
Ion Ratio Lower Upper
56 100
69 31.5 24.5 36.7
84 78.6 62.9 94.3

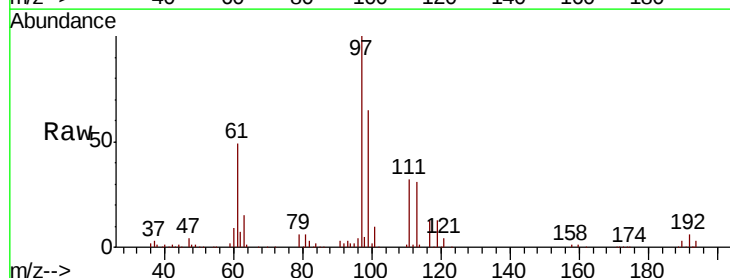


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

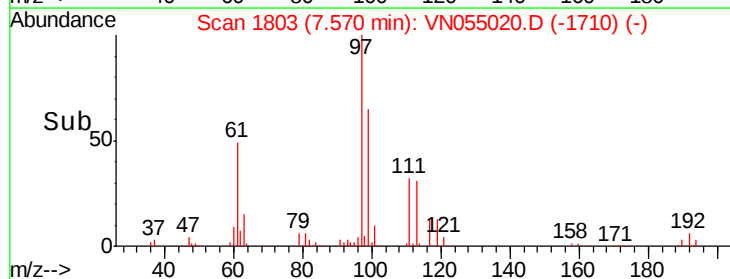
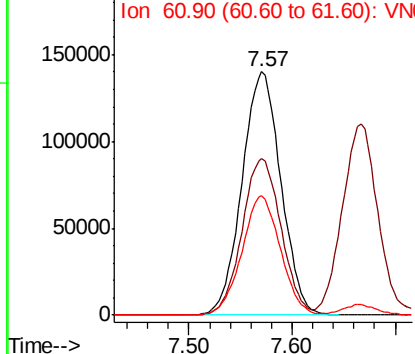


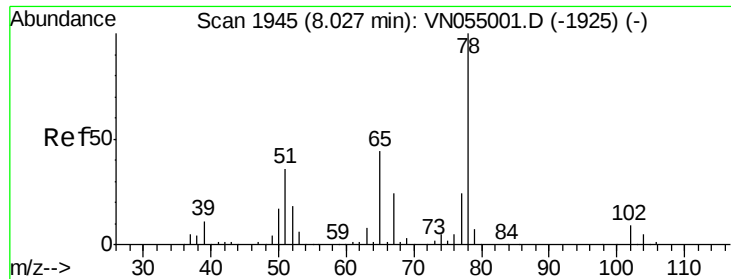
#32
1,1,1-Trichloroethane
Concen: 46.385 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion: 97 Resp: 367667
Ion Ratio Lower Upper
97 100
99 64.3 51.6 77.4
61 48.5 38.3 57.5



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

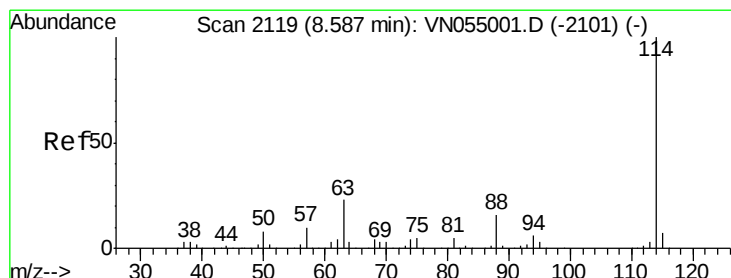
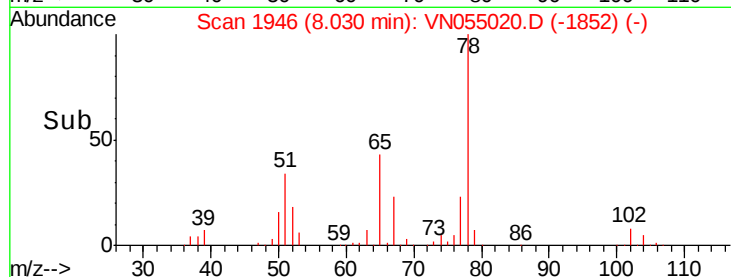
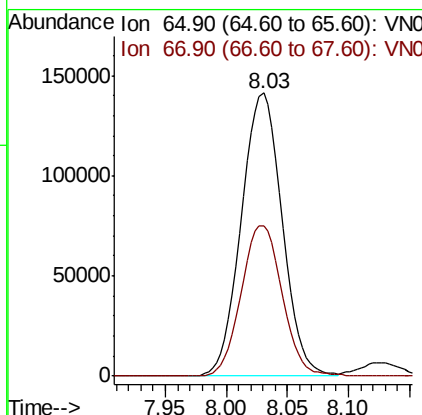
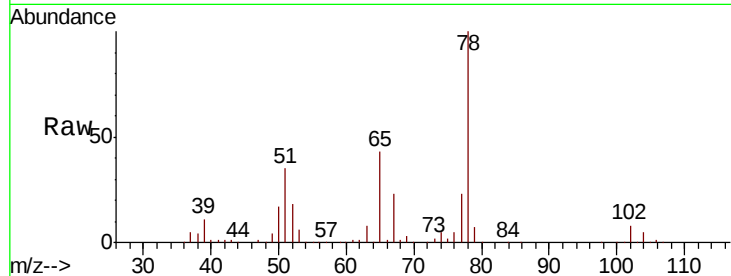




#33
 1,2-Dichloroethane-d4
 Concen: 51.781 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

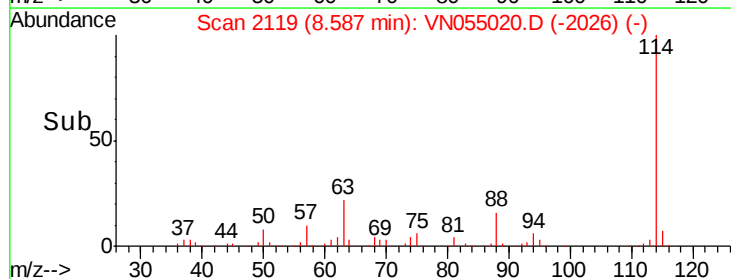
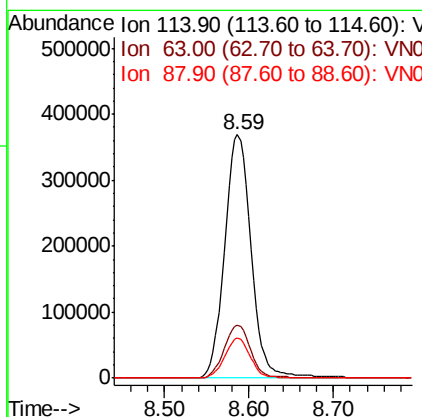
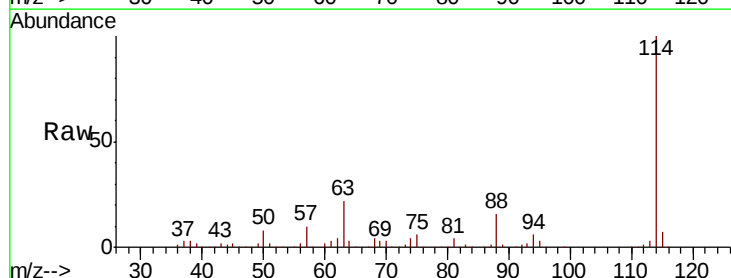
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

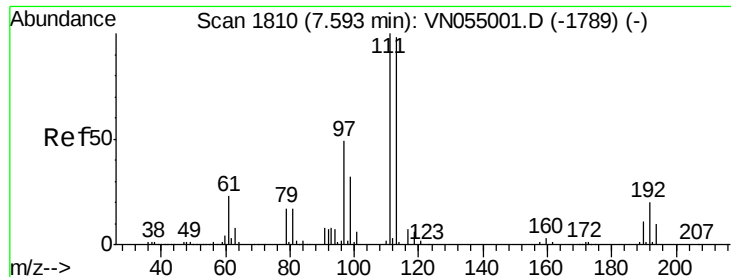
Tot Ion: 65 Resp: 327761
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion: 114 Resp: 807620
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 45.2
 88 16.4 0.0 31.8

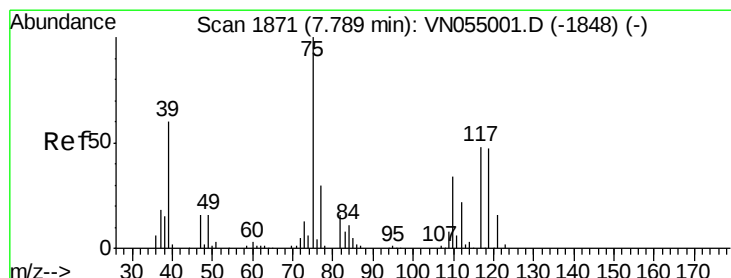
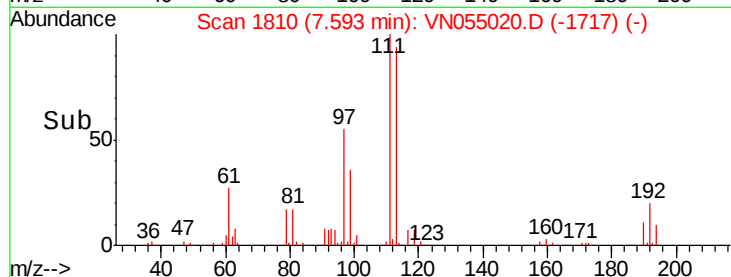
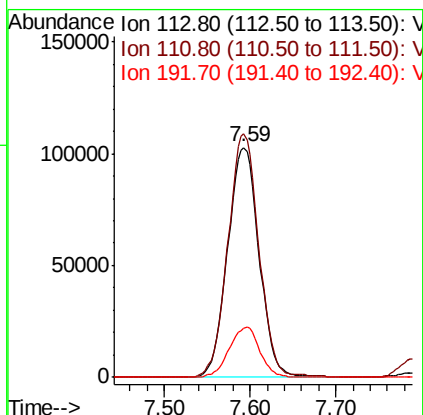
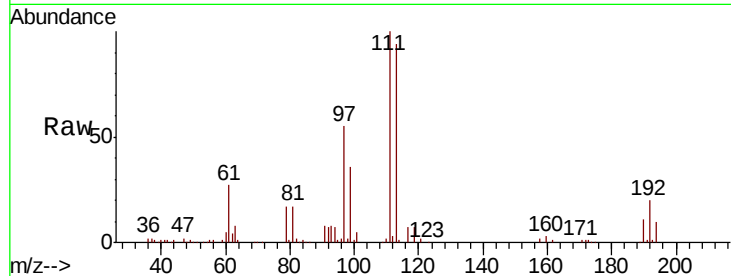




#35
Dibromofluoromethane
Concen: 50.743 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

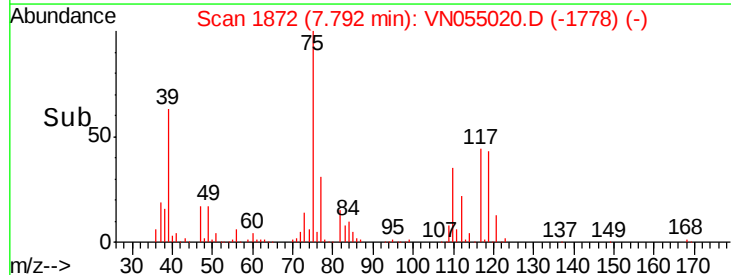
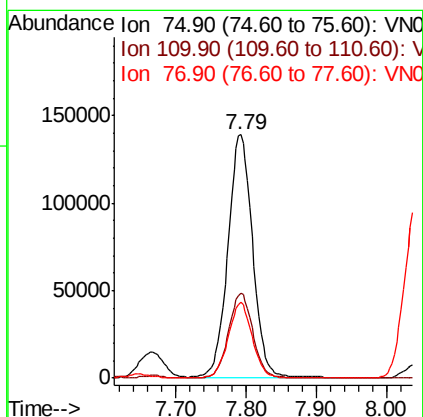
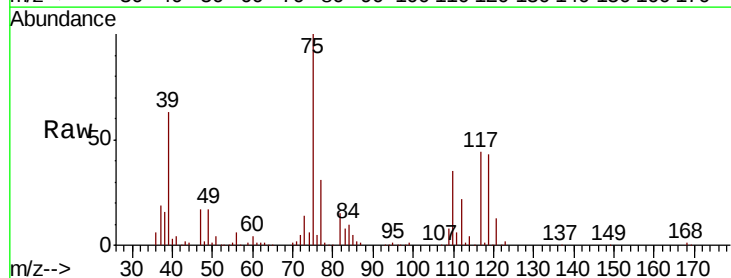
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

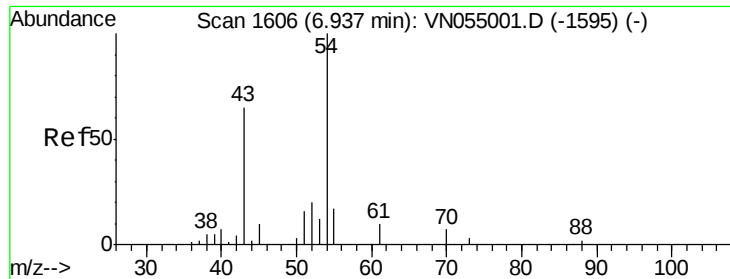
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.1	123.1
192	21.1	16.5	24.7



#36
1,1-Dichloropropene
Concen: 45.766 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.5	52.5
77	30.4	24.9	37.3

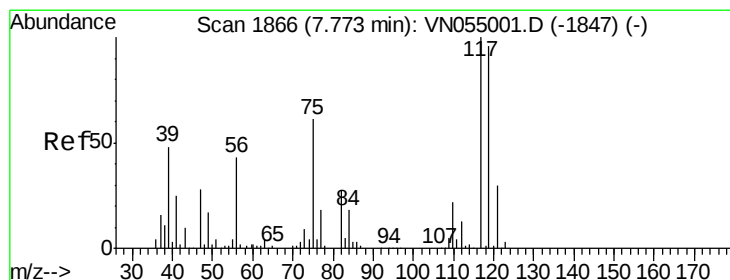
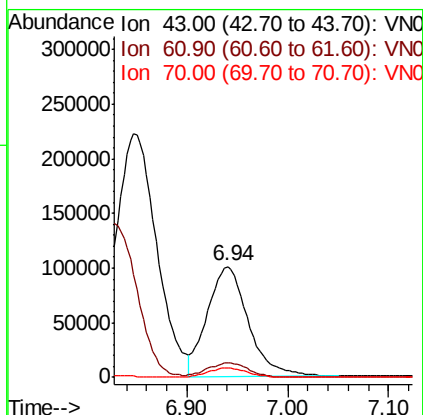
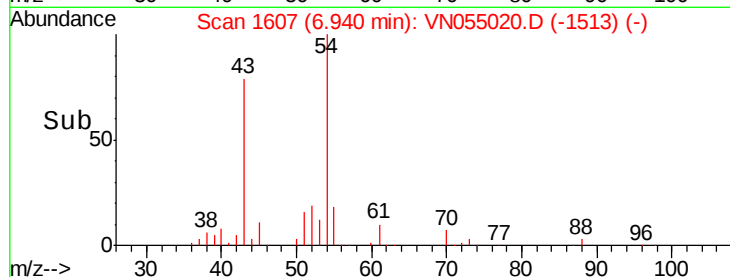
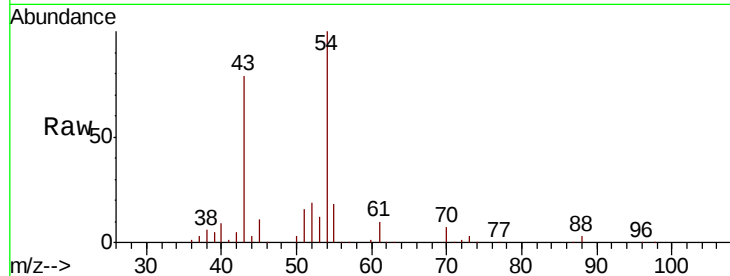




#37
Ethyl Acetate
Concen: 50.407 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

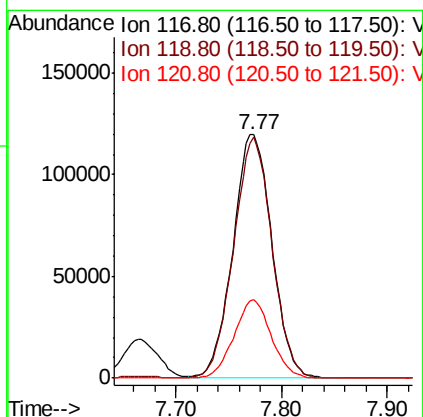
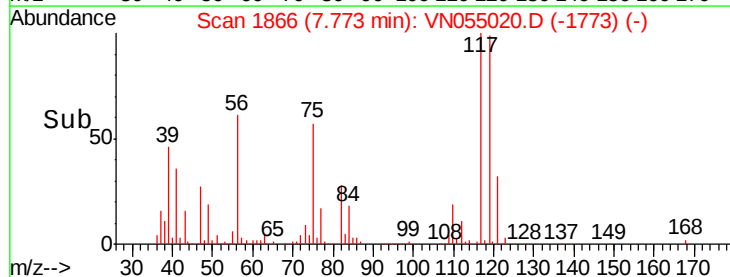
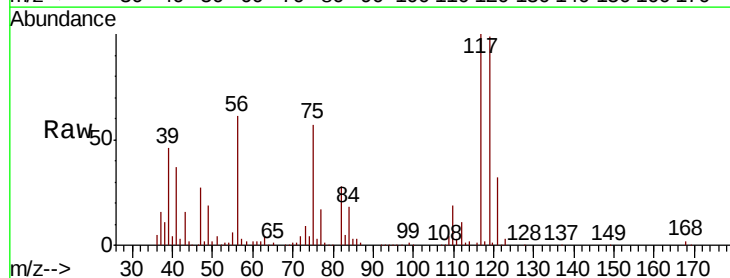
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

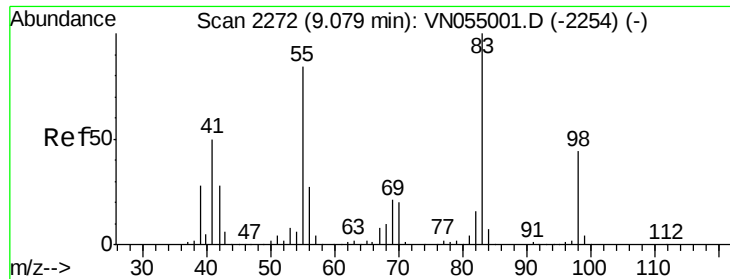
Tot Ion: 43 Resp: 282451
Ion Ratio Lower Upper
43 100
61 13.7 10.0 15.0
70 8.5 7.1 10.7



#38
Carbon Tetrachloride
Concen: 43.662 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion: 117 Resp: 306763
Ion Ratio Lower Upper
117 100
119 98.9 76.3 114.5
121 32.1 23.9 35.9

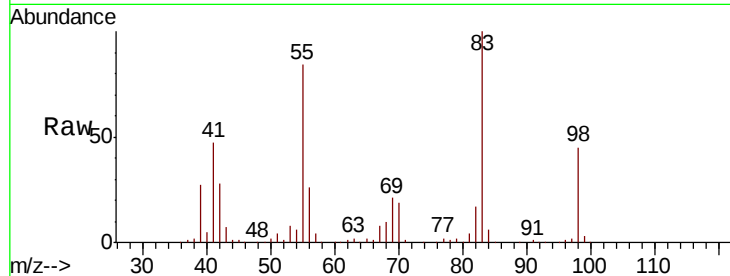




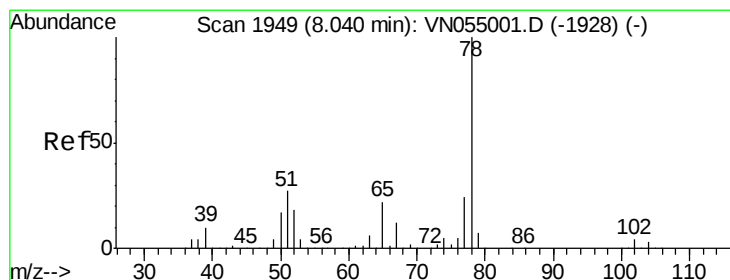
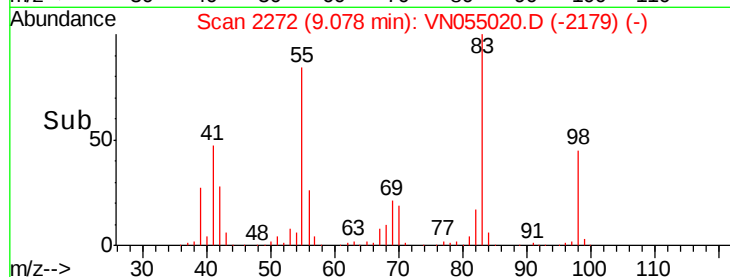
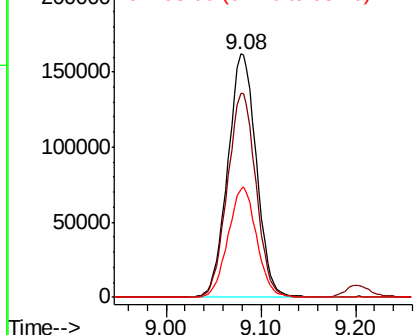
#39
Methylvlcvclohexane
Concen: 39.831 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 340358
Ion Ratio Lower Upper
83 100
55 83.7 67.0 100.4
98 44.6 35.6 53.4

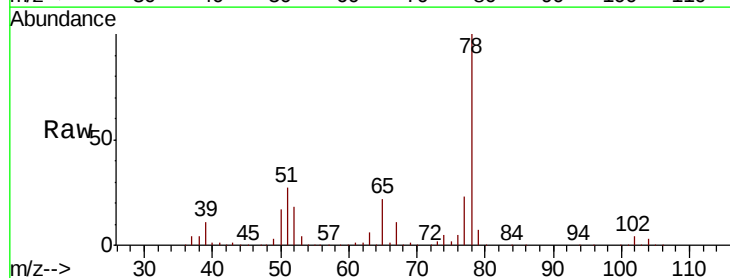


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

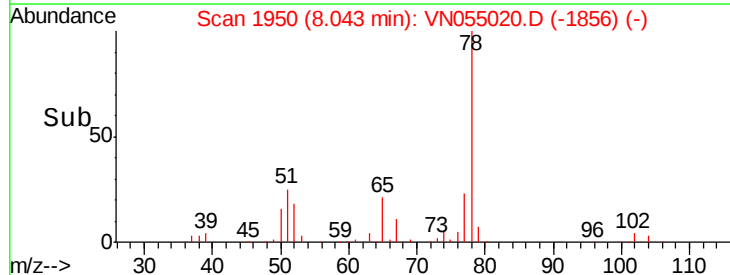
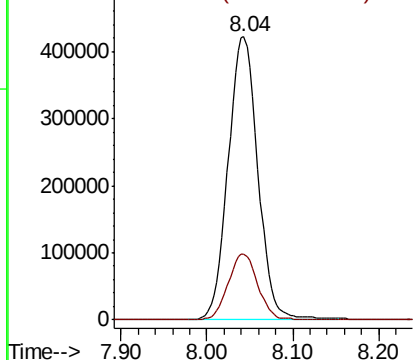


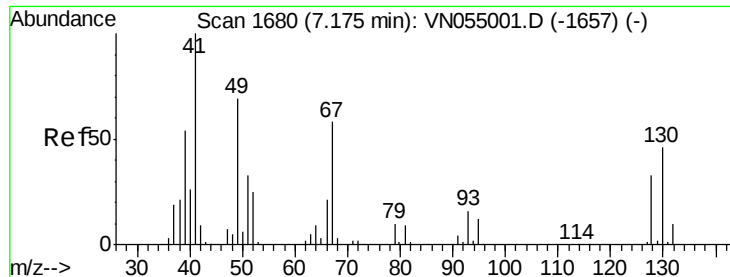
#40
Benzene
Concen: 45.056 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion: 78 Resp: 1016737
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2



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

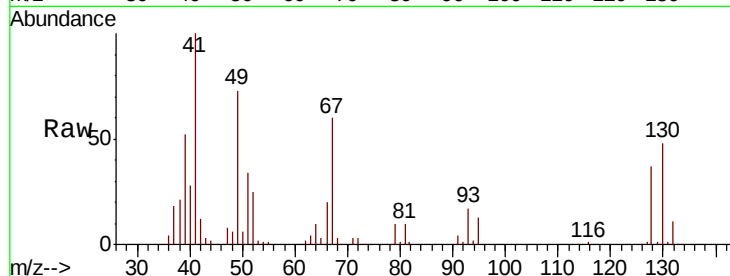




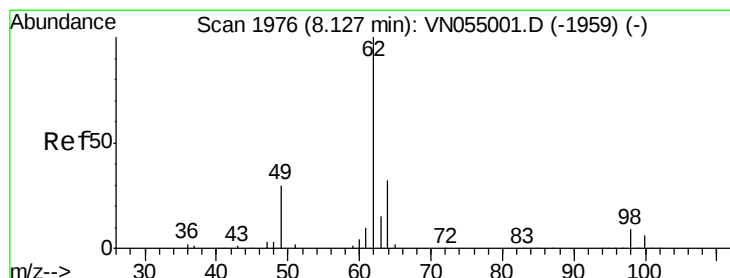
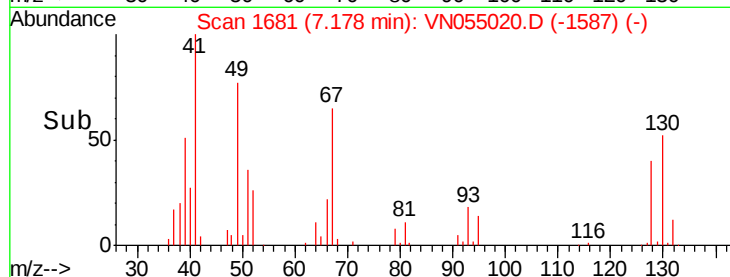
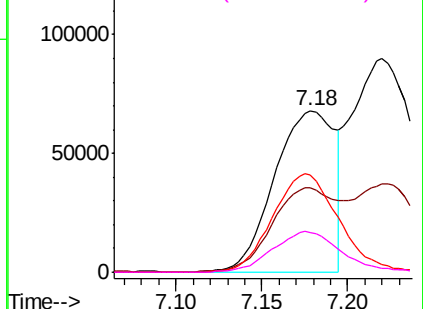
#41
Methacrylonitrile
Concen: 48.124 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	165925
Ion	Ratio	Lower	Upper
41	100		
39	56.1	45.6	68.4
67	67.4	57.0	85.6
52	27.8	23.6	35.4

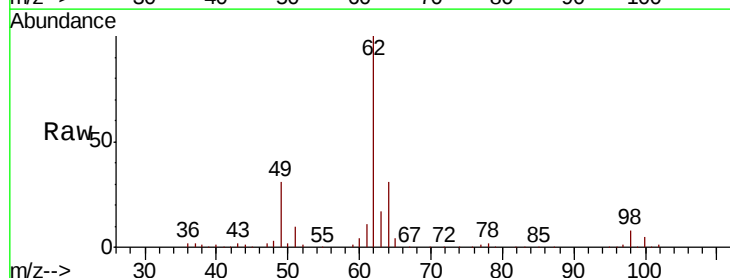


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

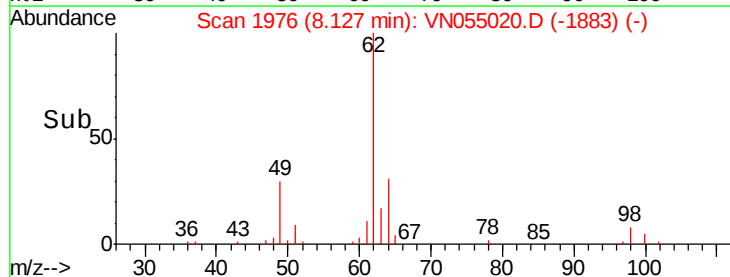
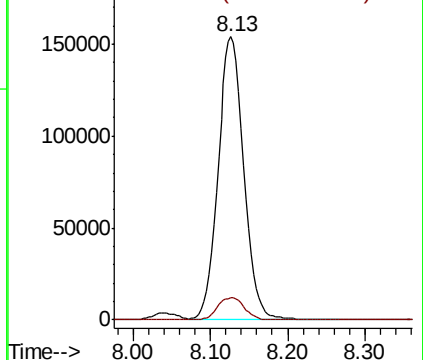


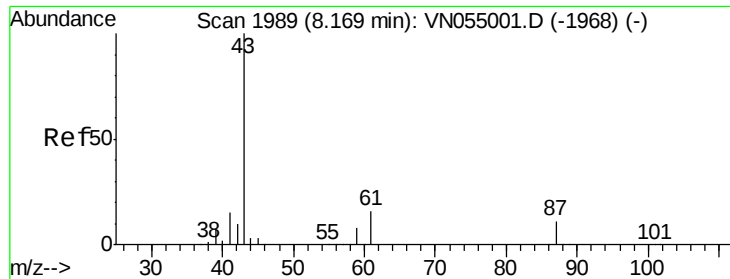
#42
1,2-Dichloroethane
Concen: 44.855 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion:	62	Resp:	356080
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.4



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





#43

Isopropyl Acetate

Concen: 50.117 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

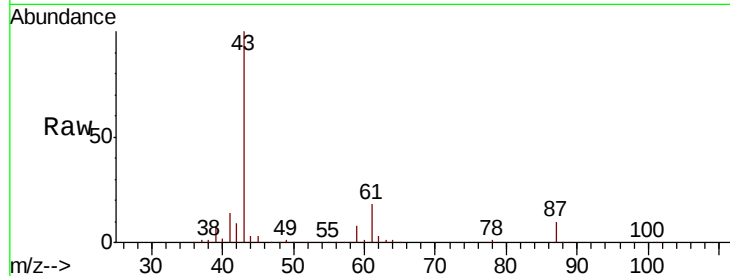
Tot Ion: 43 Resp: 480181

Ion Ratio Lower Upper

43 100

61 18.1 14.3 21.5

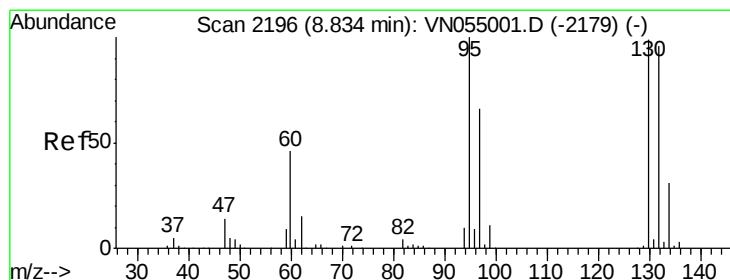
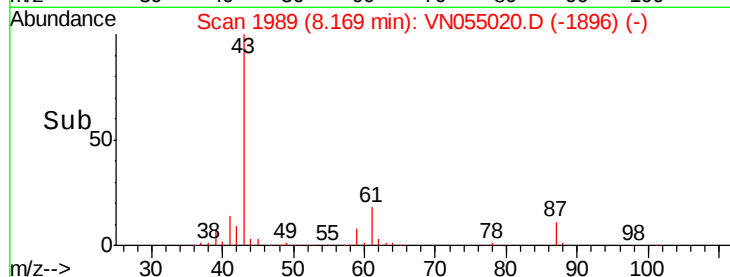
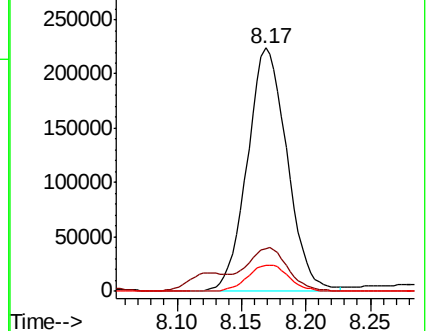
87 11.2 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055001.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055001.D (-1968) (-)



#44

Trichloroethene

Concen: 44.586 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055020.D

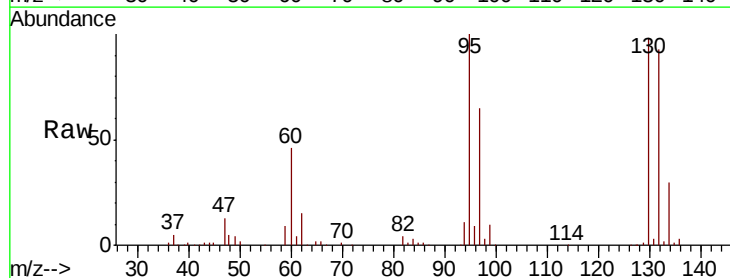
Acq: 13 Apr 2019 00:38

Tgt Ion: 130 Resp: 257129

Ion Ratio Lower Upper

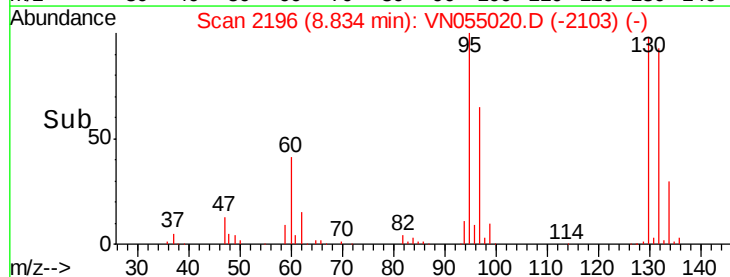
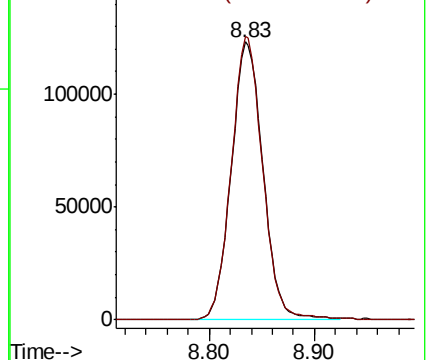
130 100

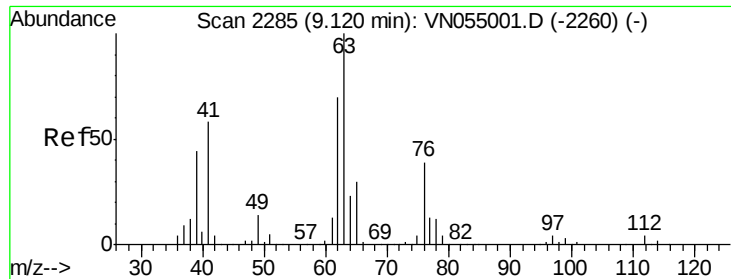
95 102.0 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055001.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055001.D (-2179) (-)

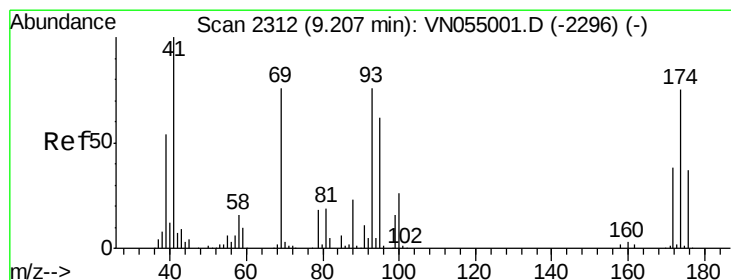
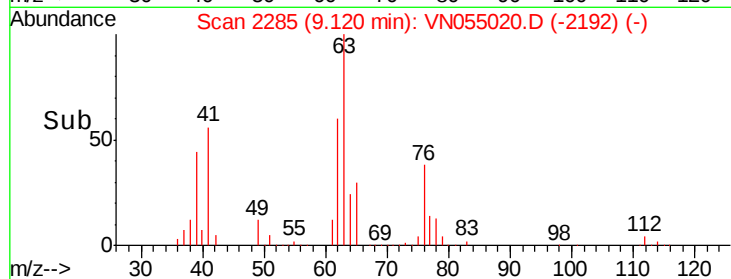
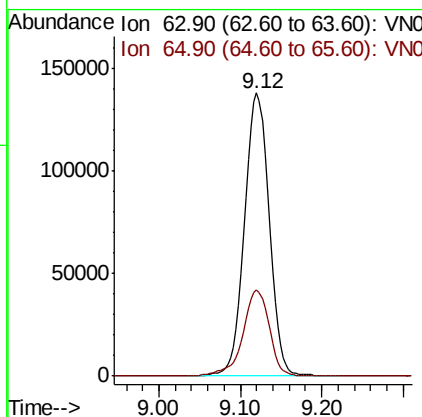
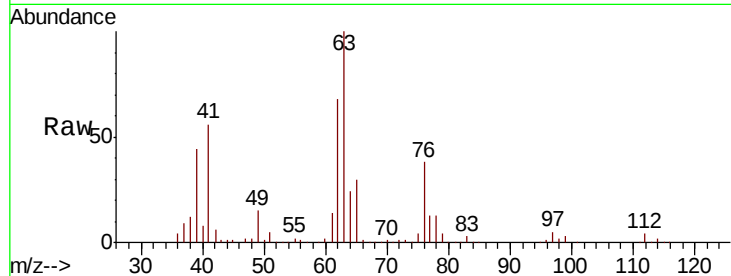




#45
 1,2-Dichloropropane
 Concen: 45.103 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

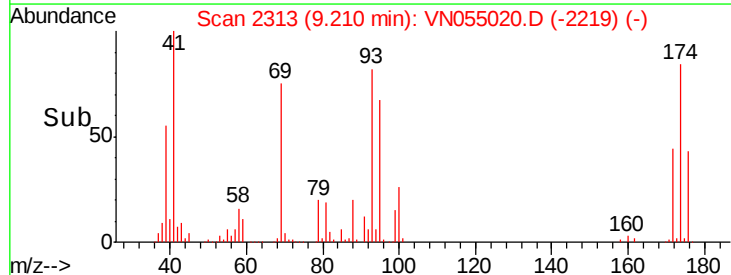
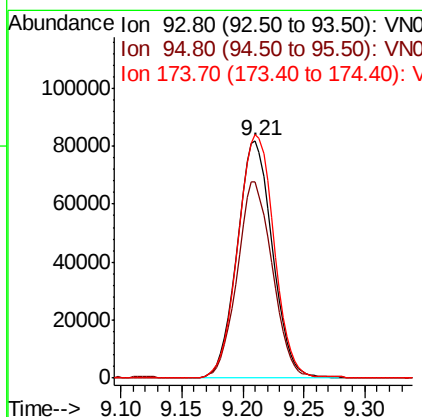
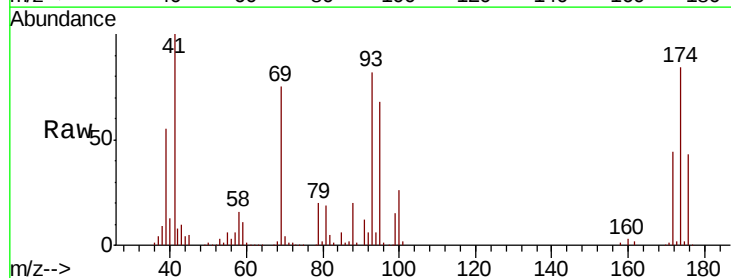
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

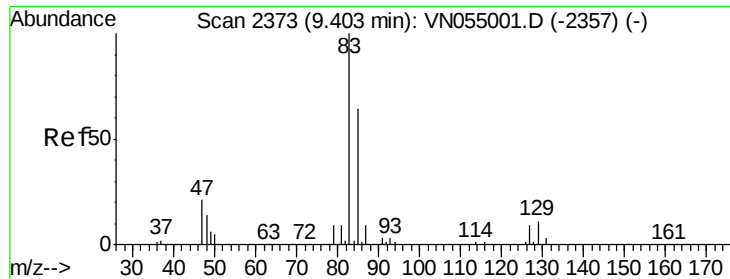
Tot Ion: 63 Resp: 287225
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.4 36.6



#46
 Dibromomethane
 Concen: 44.968 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion: 93 Resp: 164086
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.0 97.6
 174 105.1 81.0 121.6

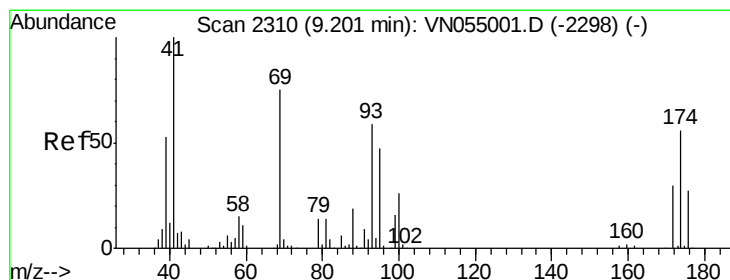
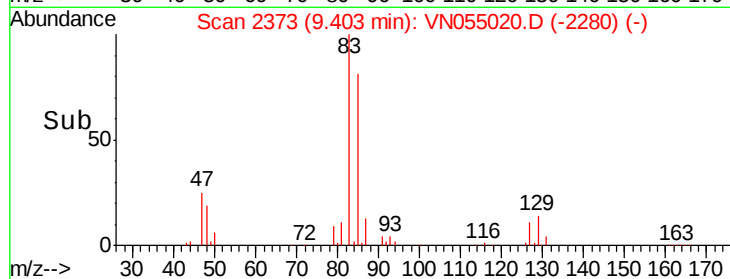
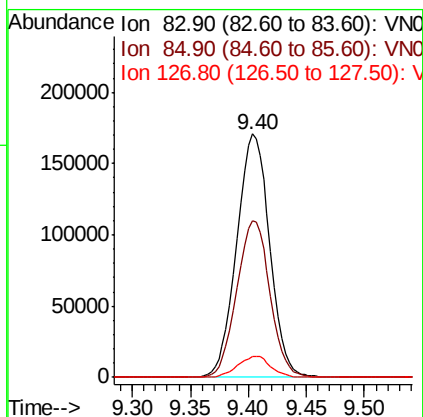
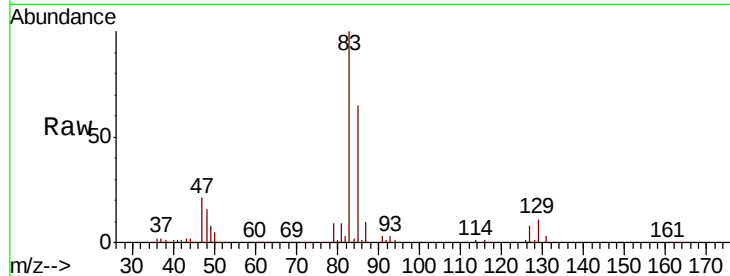




#47
 Bromodichloromethane
 Concen: 45.474 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

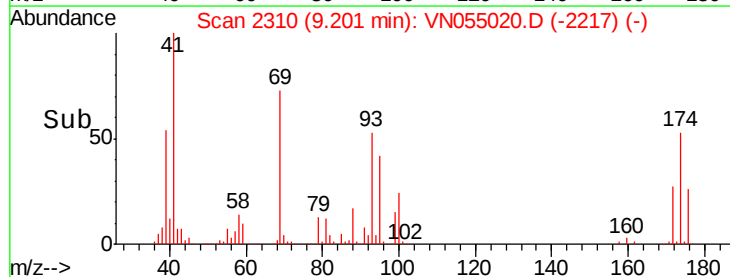
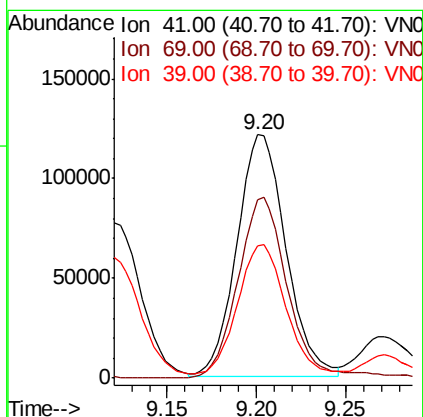
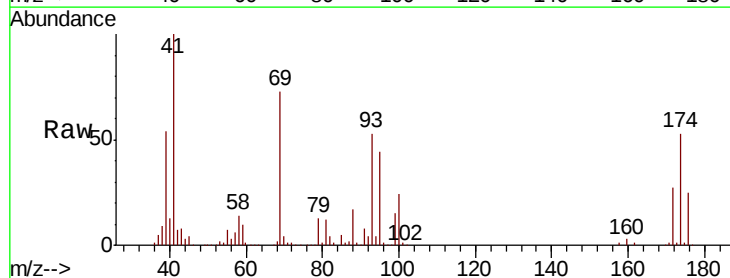
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

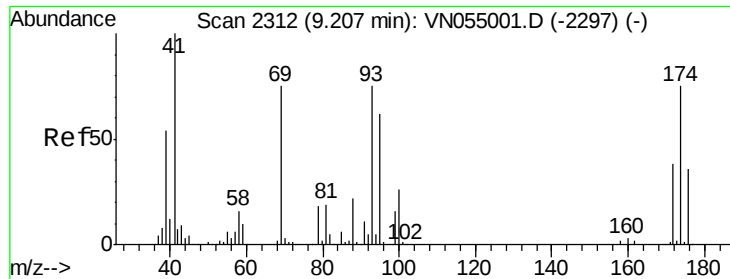
Tot Ion: 83 Resp: 337431
 Ion Ratio Lower Upper
 83 100
 85 64.5 51.2 76.8
 127 8.4 6.8 10.2



#48
 Methyl methacrylate
 Concen: 46.963 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion: 41 Resp: 231799
 Ion Ratio Lower Upper
 41 100
 69 75.5 60.5 90.7
 39 55.1 43.9 65.9





#49

1,4-Dioxane

Concen: 868.610 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

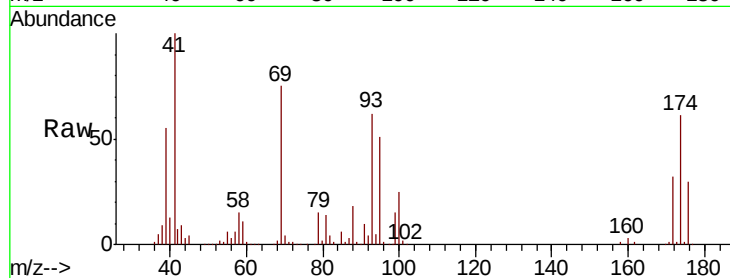
Tot Ion: 88 Resp: 46107

Ion Ratio Lower Upper

88 100

43 41.4 31.8 47.8

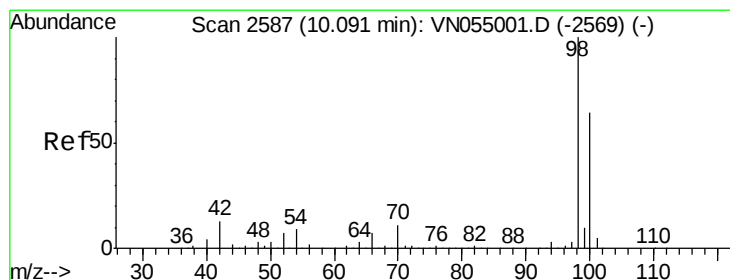
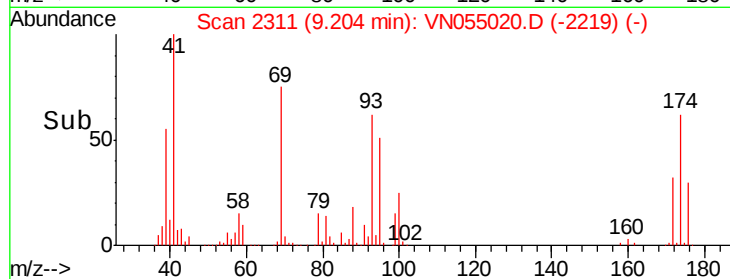
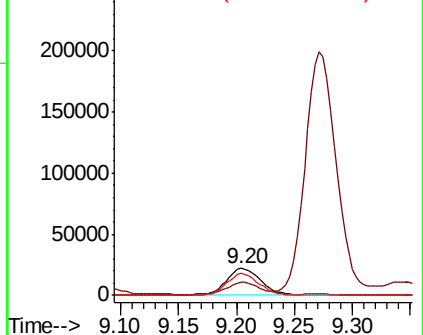
58 75.5 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN055001.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN055001.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-2297) (-)



#50

Toluene-d8

Concen: 49.559 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055020.D

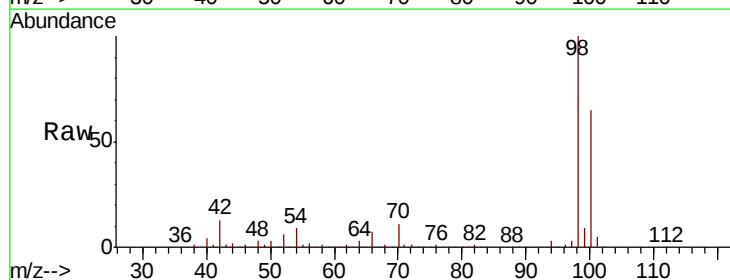
Acq: 13 Apr 2019 00:38

Tgt Ion: 98 Resp: 937118

Ion Ratio Lower Upper

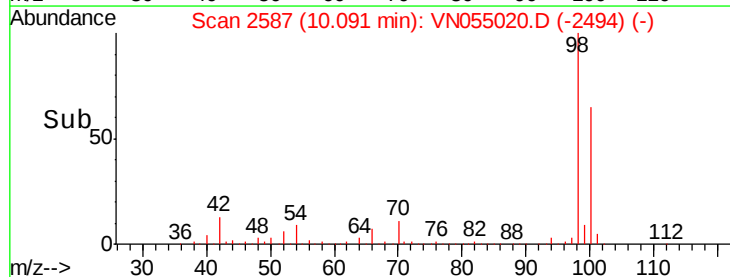
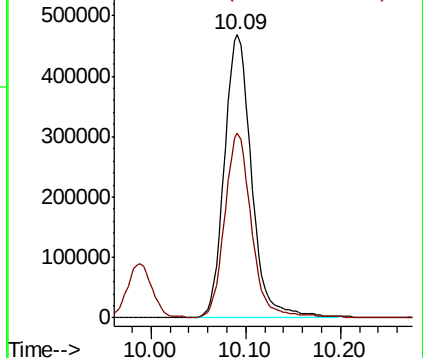
98 100

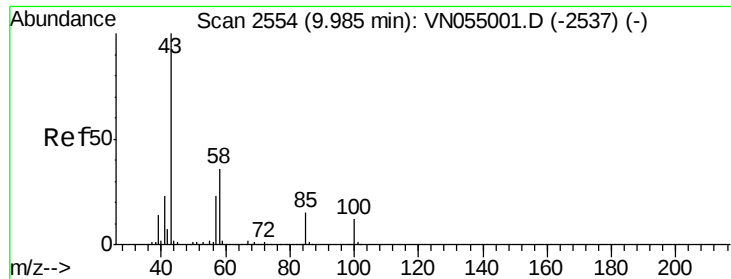
100 64.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055001.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055001.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 250.326 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

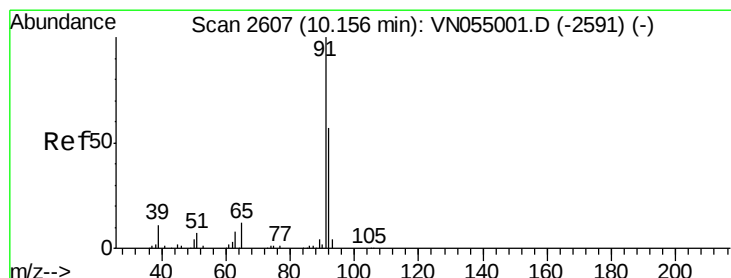
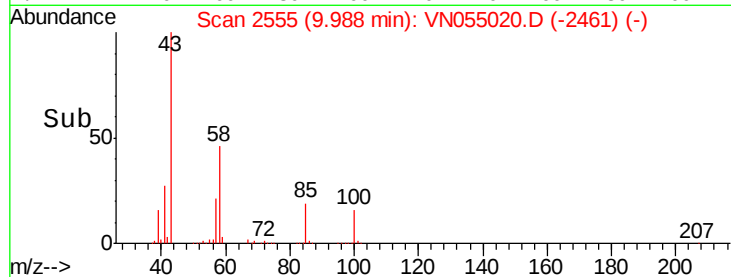
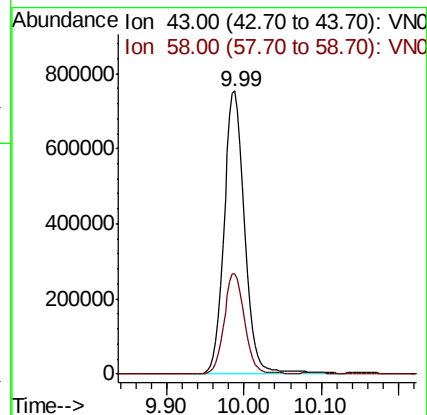
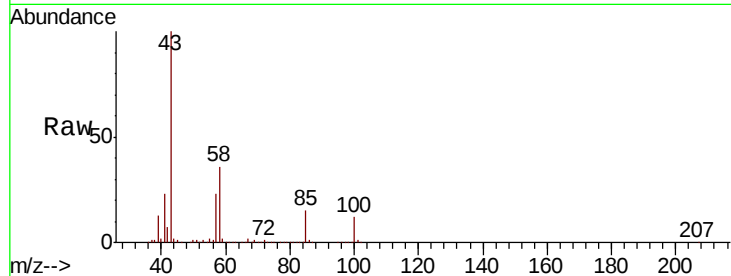
VSTDCCC050EC

Tot Ion: 43 Resp: 1404349

Ion Ratio Lower Upper

43 100

58 35.5 29.0 43.4



#52

Toluene

Concen: 44.576 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055020.D

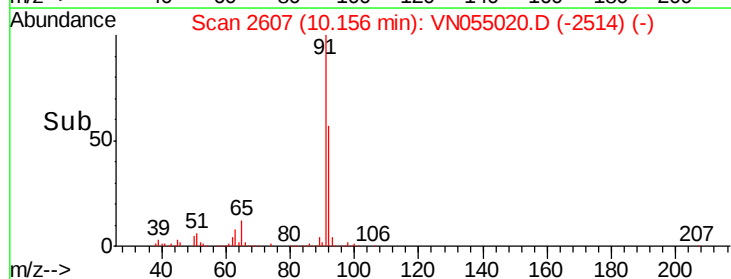
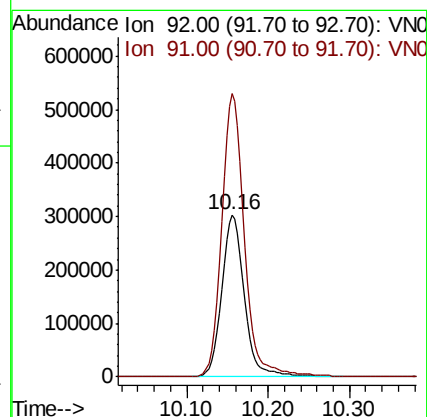
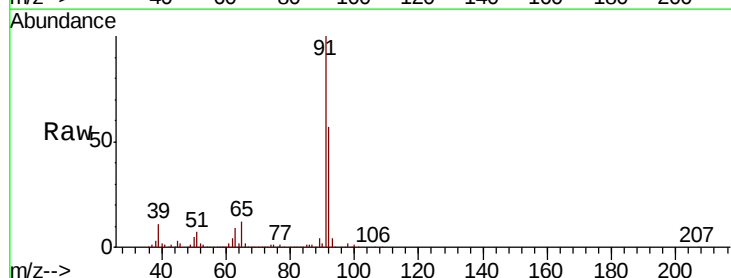
Acq: 13 Apr 2019 00:38

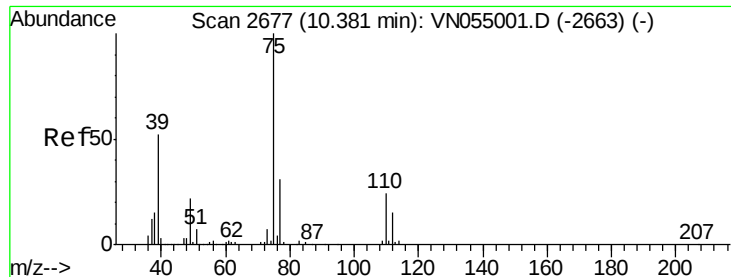
Tgt Ion: 92 Resp: 594907

Ion Ratio Lower Upper

92 100

91 175.5 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 47.655 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

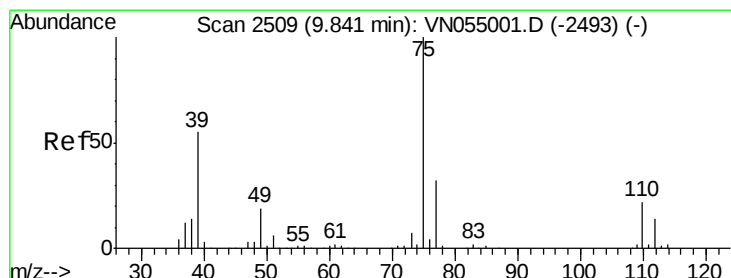
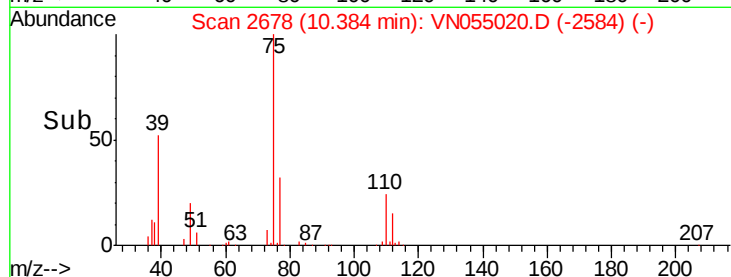
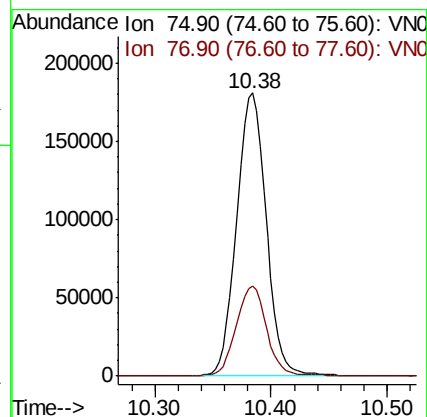
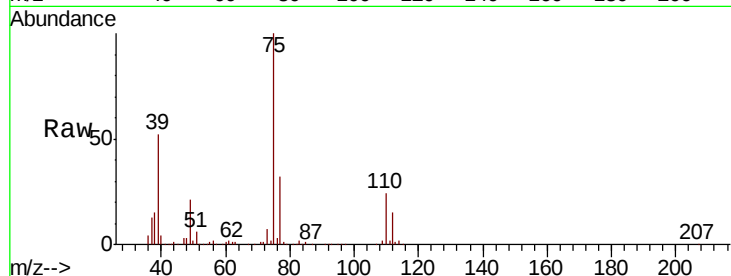
VSTDCCC050EC

Tot Ion: 75 Resp: 320199

Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 46.884 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

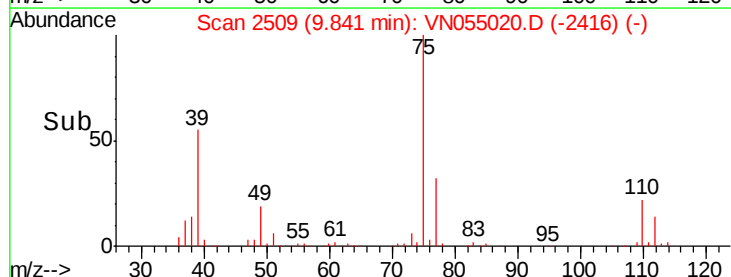
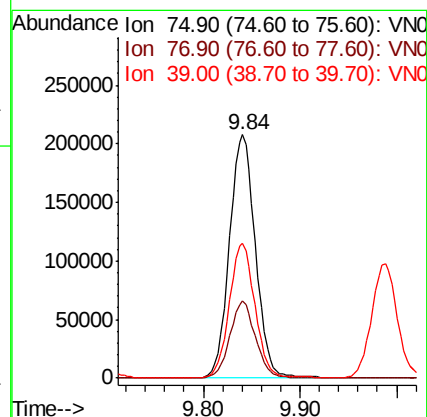
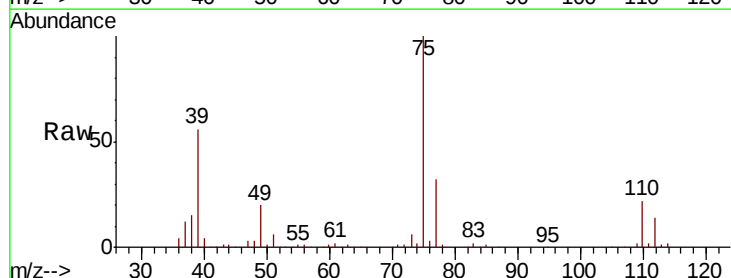
Tgt Ion: 75 Resp: 388050

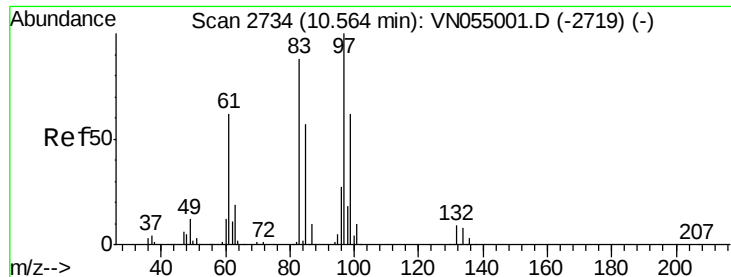
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6

39 55.3 43.8 65.8

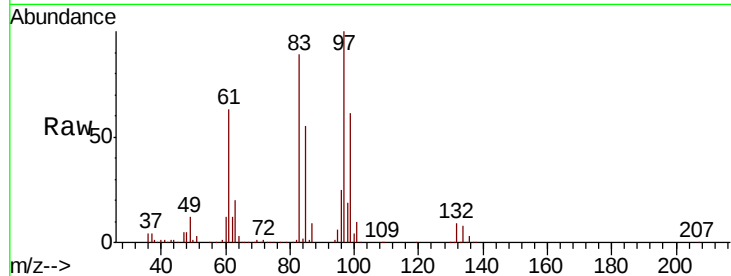




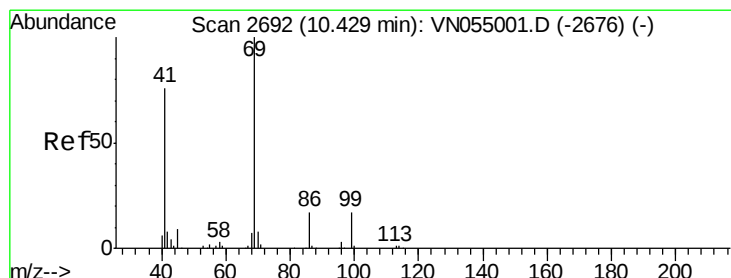
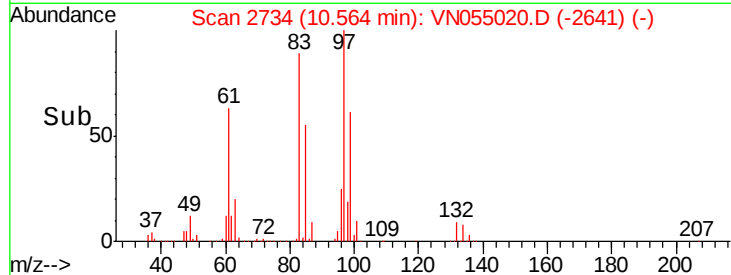
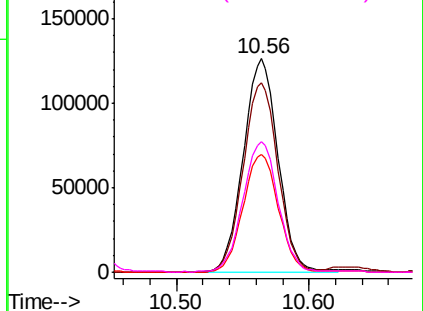
#55
 1,1,2-Trichloroethane
 Concen: 46.270 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 230034
 Ion Ratio Lower Upper
 97 100
 83 88.5 70.5 105.7
 85 55.4 45.5 68.3
 99 61.1 49.4 74.0

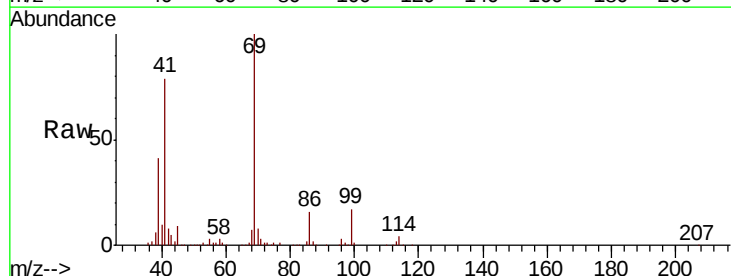


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

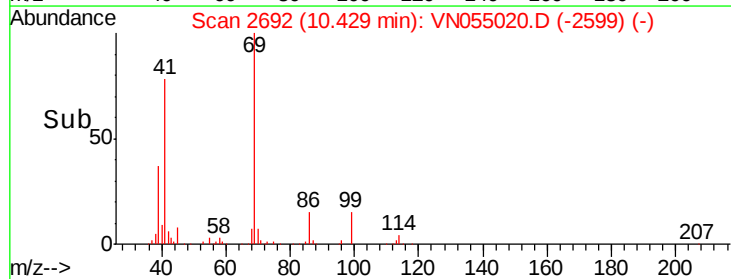
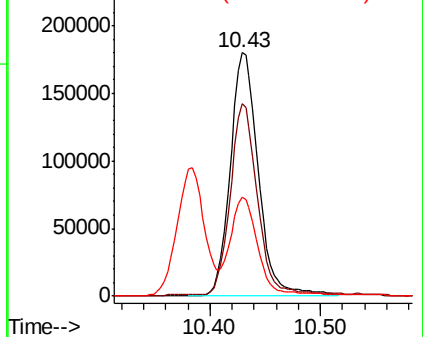


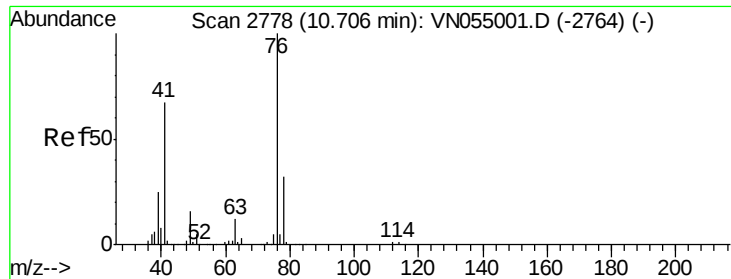
#56
 Ethyl methacrylate
 Concen: 49.844 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion: 69 Resp: 318866
 Ion Ratio Lower Upper
 69 100
 41 75.6 61.4 92.0
 39 39.7 30.8 46.2



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: 46.066 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

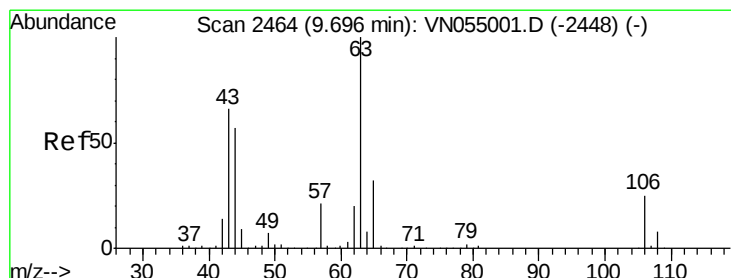
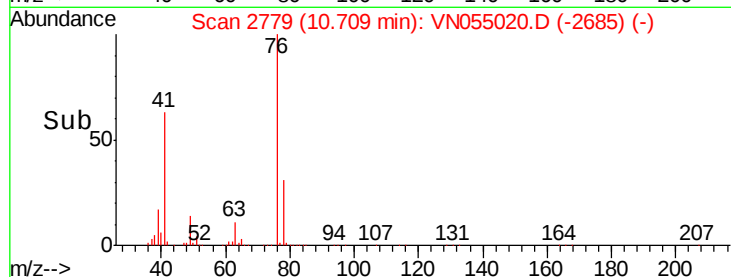
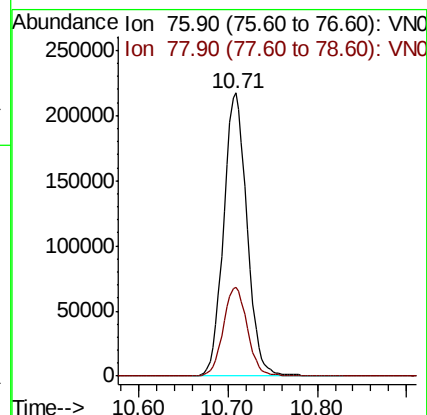
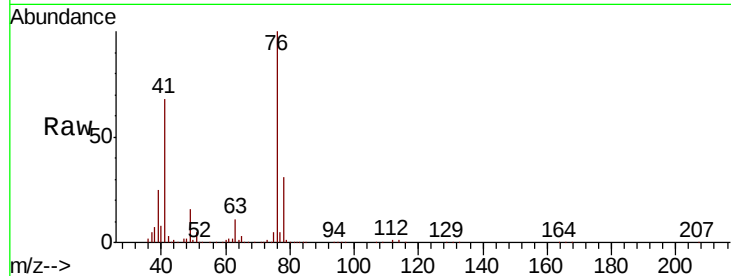
VSTDCCC050EC

Tot Ion: 76 Resp: 395077

Ion Ratio Lower Upper

76 100

78 32.2 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 216.878 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055020.D

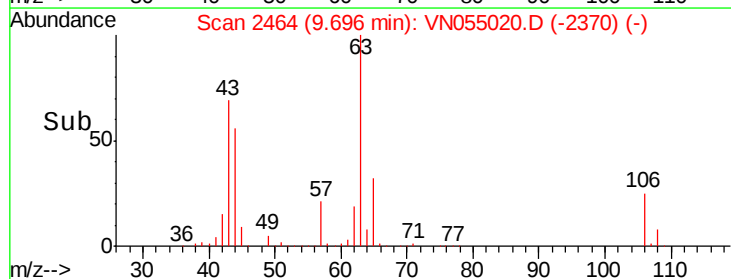
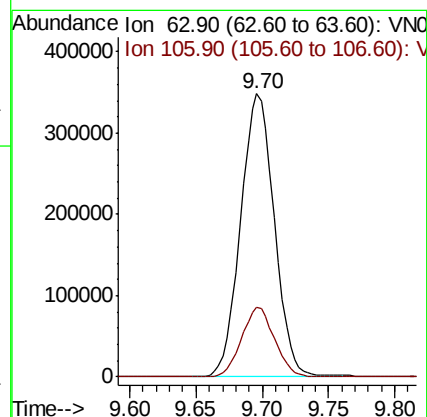
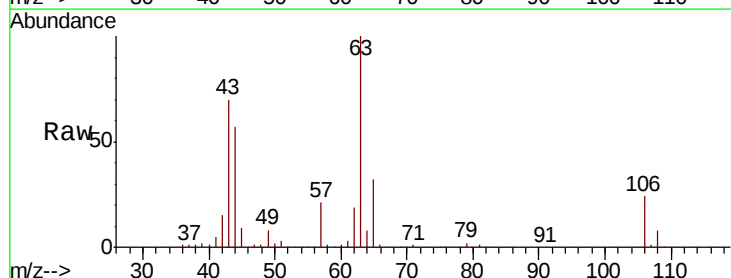
Acq: 13 Apr 2019 00:38

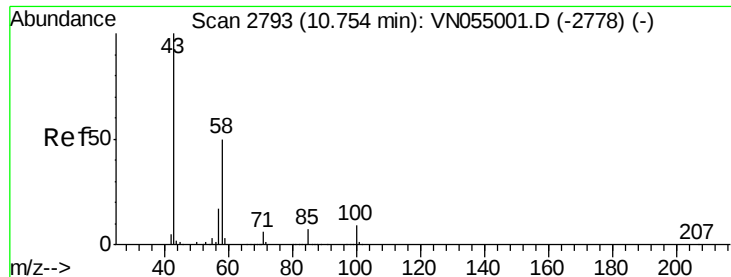
Tgt Ion: 63 Resp: 615941

Ion Ratio Lower Upper

63 100

106 24.2 20.0 30.0

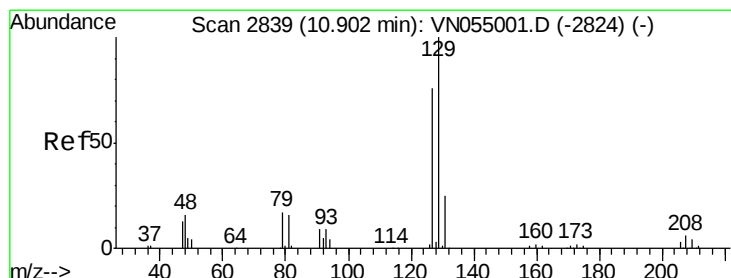
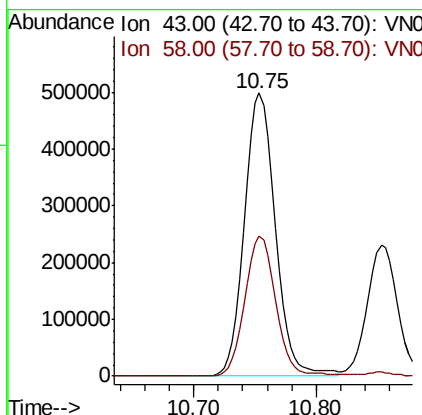
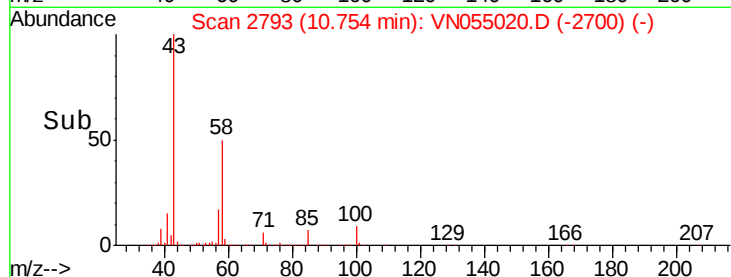
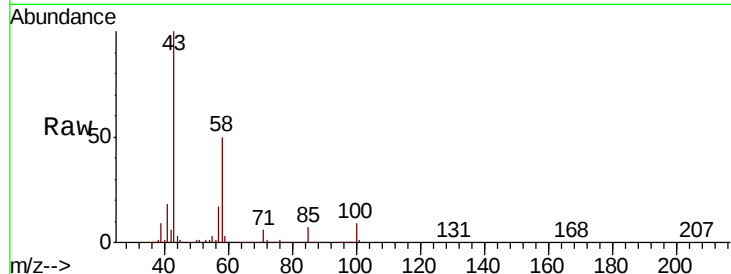




#59
2-Hexanone
Concen: 246.746 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

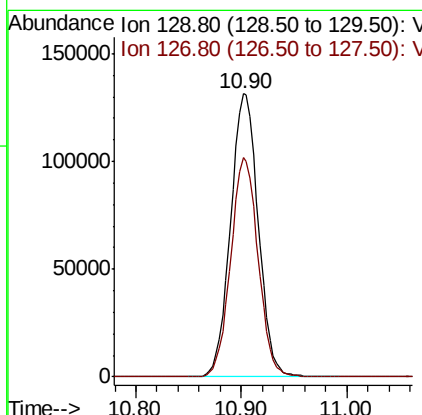
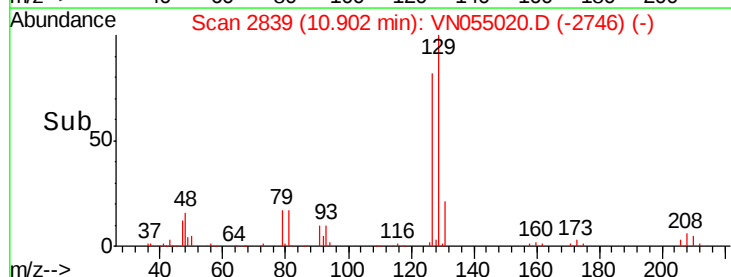
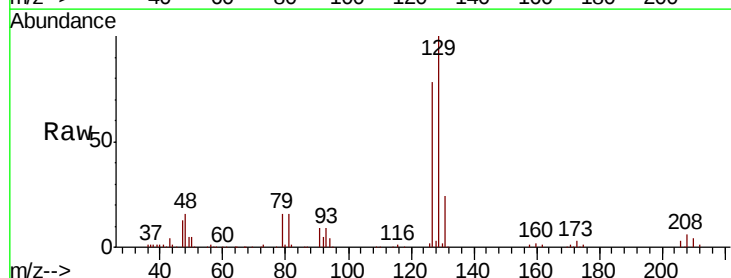
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

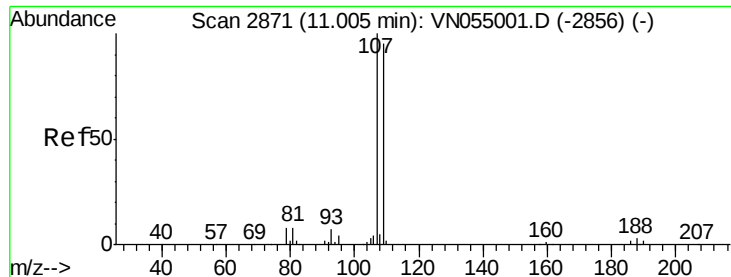
Tot Ion: 43 Resp: 865021
Ion Ratio Lower Upper
43 100
58 49.9 25.1 75.2



#60
Dibromochloromethane
Concen: 48.297 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion: 129 Resp: 239007
Ion Ratio Lower Upper
129 100
127 76.5 38.2 114.6





#61

1,2-Dibromoethane

Concen: 46.314 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

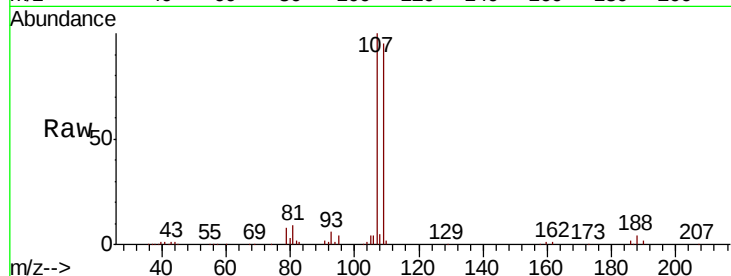
VSTDCCC050EC

Tot Ion:107 Resp: 220454

Ion Ratio Lower Upper

107 100

109 95.5 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

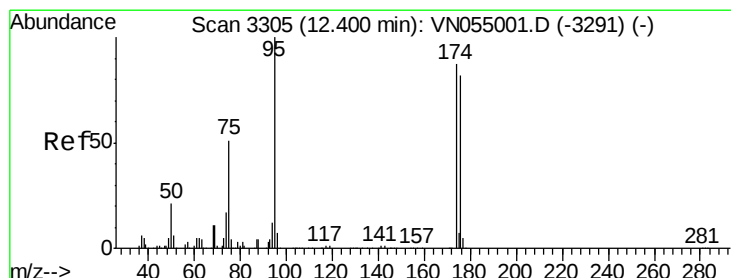
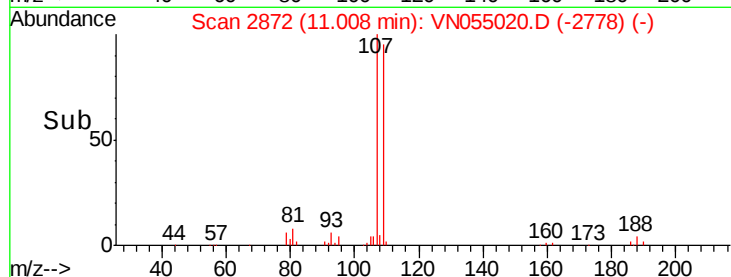
100000

50000

0

Time-->

11.00 11.10



#62

4-Bromofluorobenzene

Concen: 46.951 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

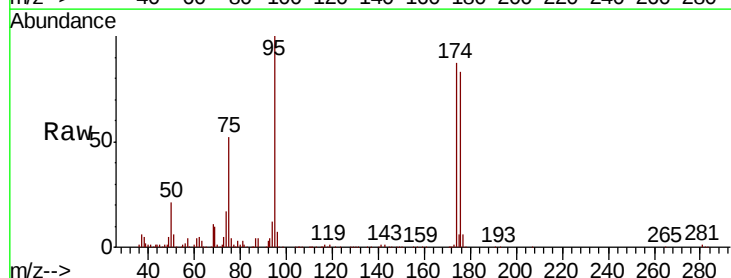
Tgt Ion: 95 Resp: 299052

Ion Ratio Lower Upper

95 100

174 86.8 0.0 174.4

176 83.3 0.0 166.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

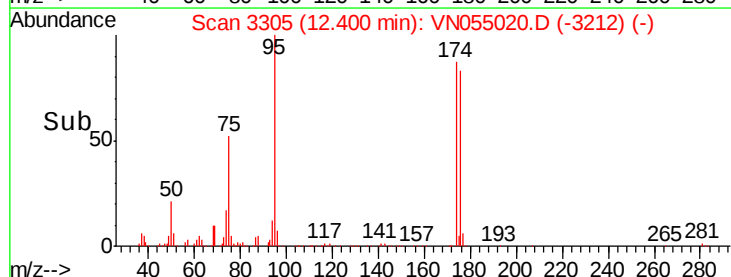
100000

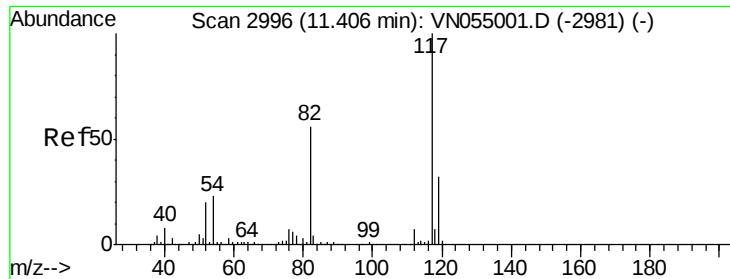
50000

0

Time-->

12.35 12.40 12.45 12.50

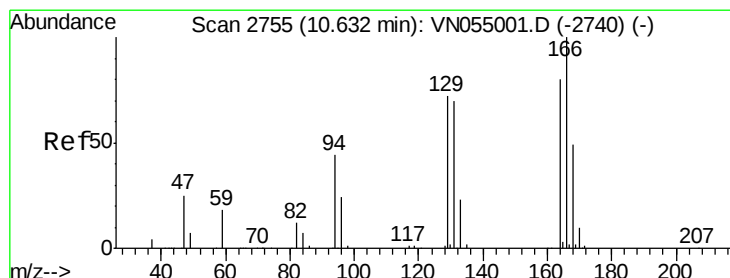
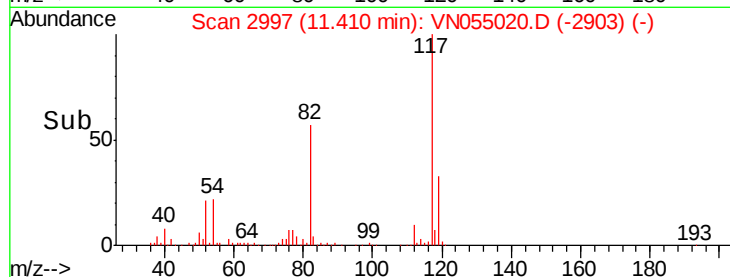
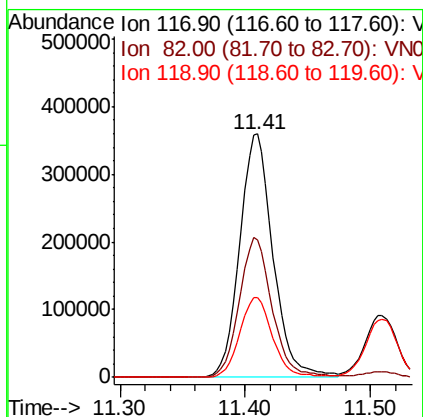
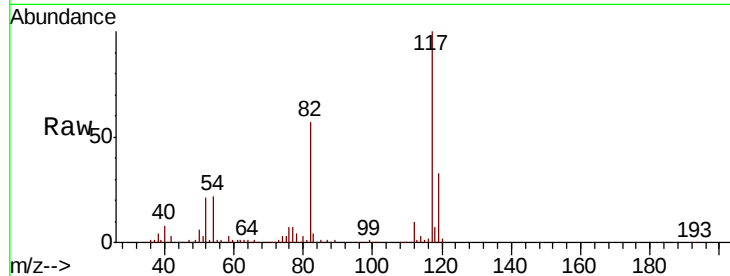




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

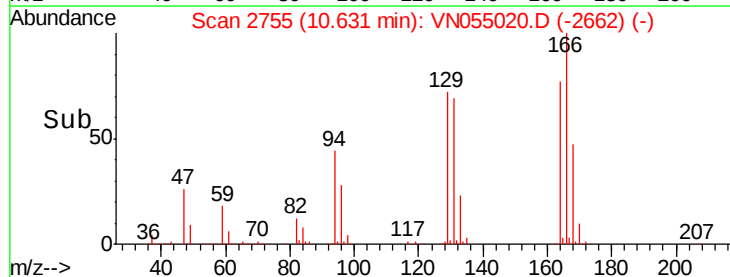
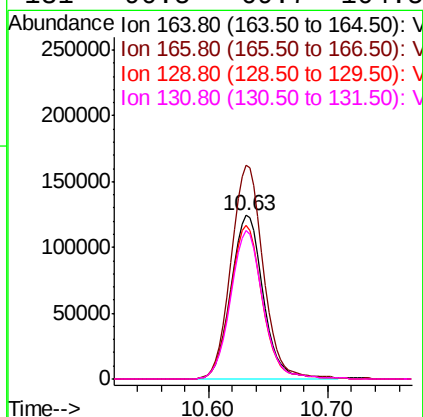
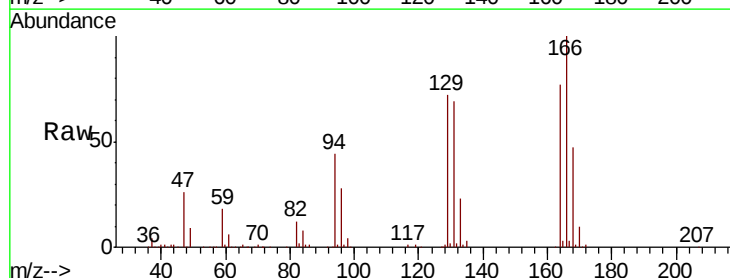
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

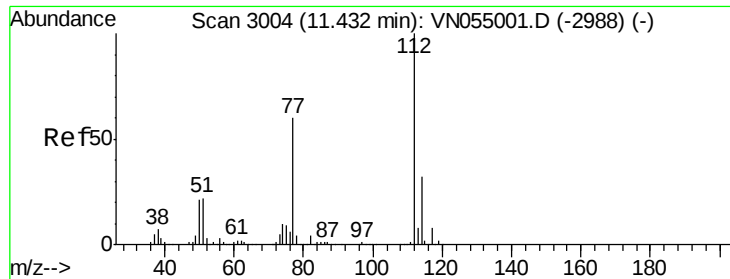
Tot Ion:117 Resp: 663404
Ion Ratio Lower Upper
117 100
82 56.6 44.6 66.8
119 33.0 25.5 38.3



#64
Tetrachloroethene
Concen: 45.174 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion:164 Resp: 234420
Ion Ratio Lower Upper
164 100
166 130.5 100.0 150.0
129 94.1 72.0 108.0
131 90.5 69.7 104.5





#65

Chlorobenzene

Concen: 48.058 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

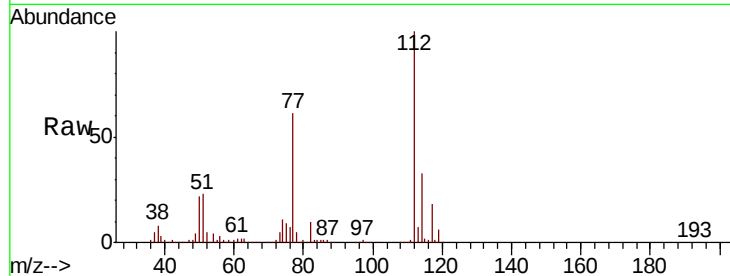
VSTDCCC050EC

Tot Ion:112 Resp: 614743

Ion Ratio Lower Upper

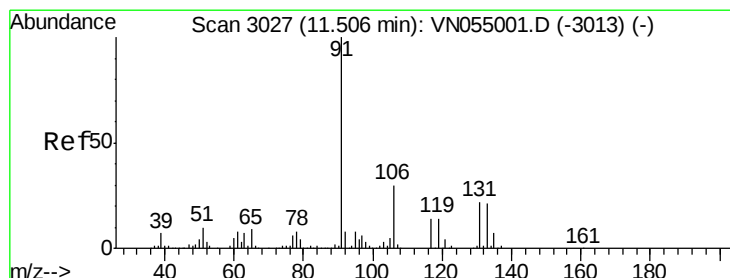
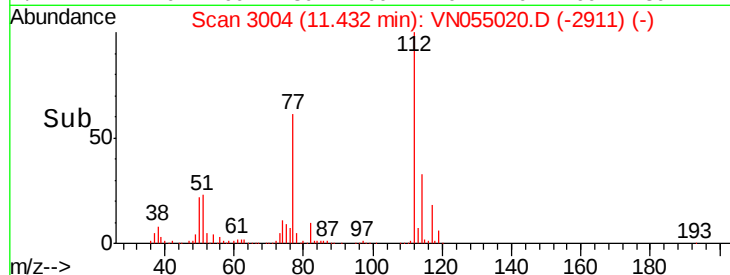
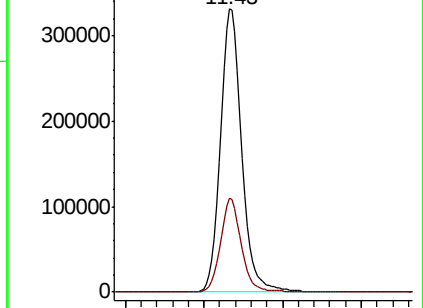
112 100

114 33.3 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.283 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

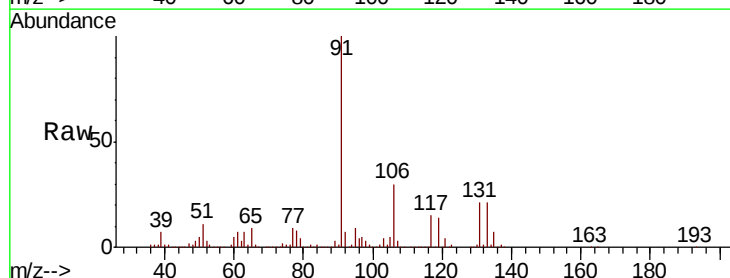
Tgt Ion:131 Resp: 232325

Ion Ratio Lower Upper

131 100

133 96.5 47.8 143.3

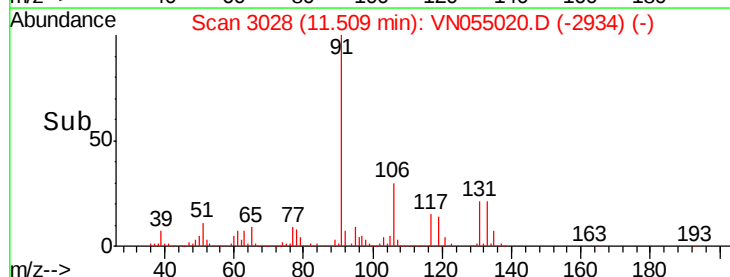
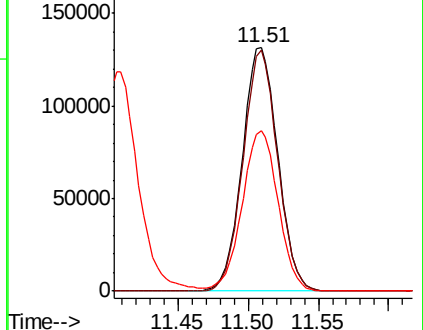
119 66.5 33.6 100.6

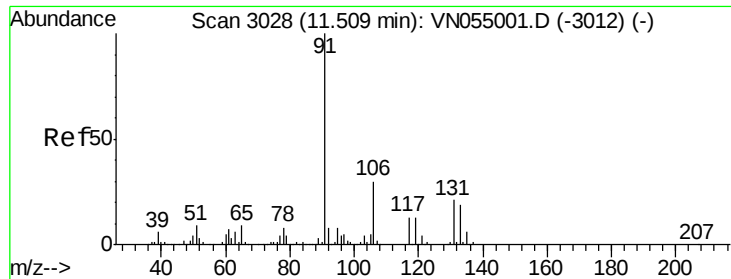


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

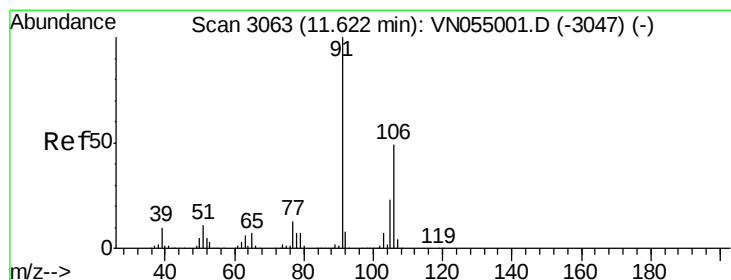
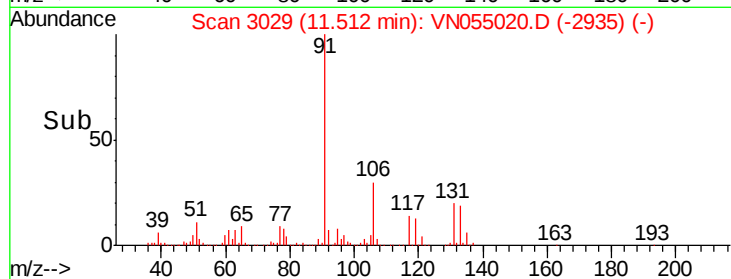
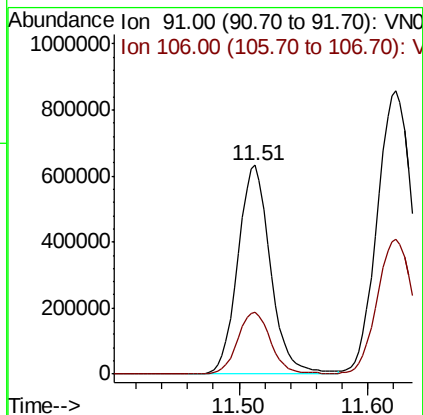
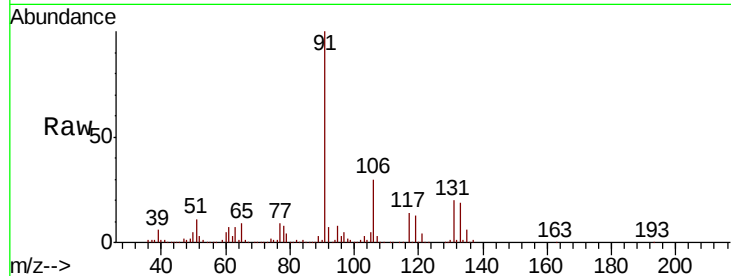




#67
Ethyl Benzene
Concen: 47.401 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

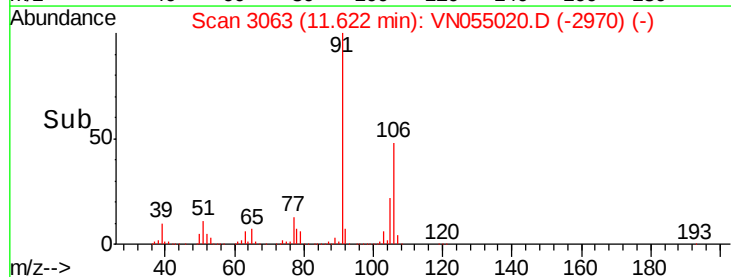
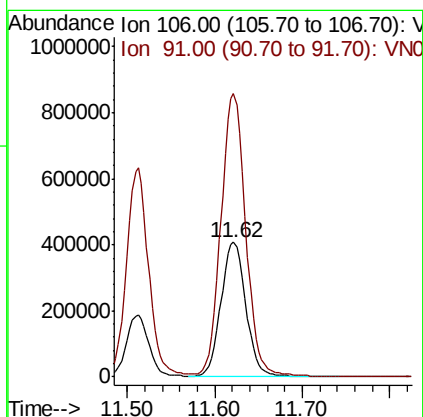
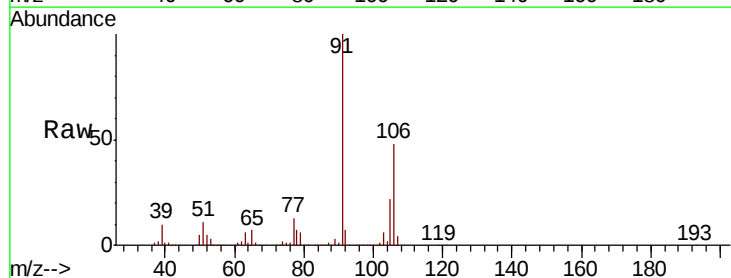
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

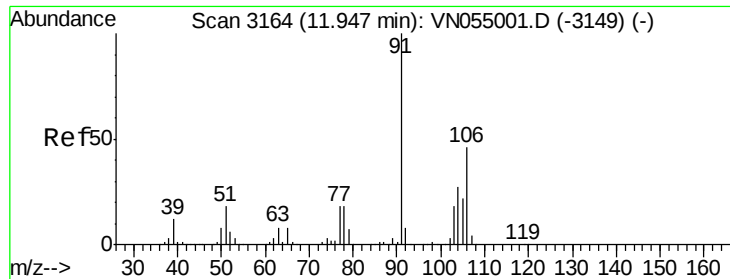
Tot Ion: 91 Resp: 1113774
Ion Ratio Lower Upper
91 100
106 29.6 24.3 36.5



#68
m/p-Xylenes
Concen: 94.612 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion: 106 Resp: 813336
Ion Ratio Lower Upper
106 100
91 208.3 165.9 248.9

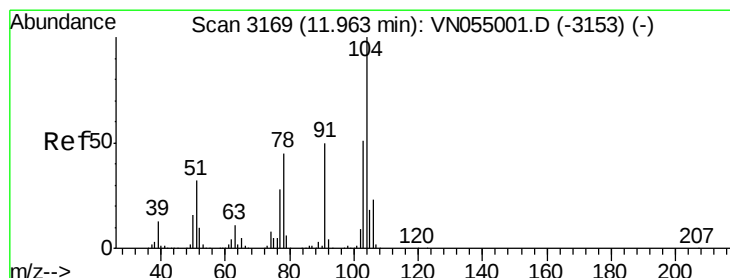
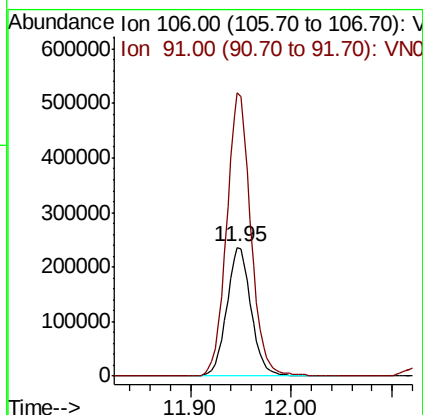
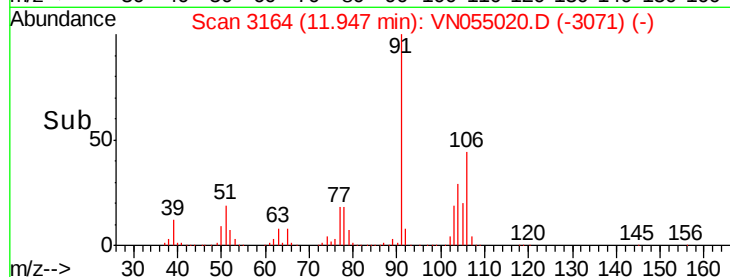
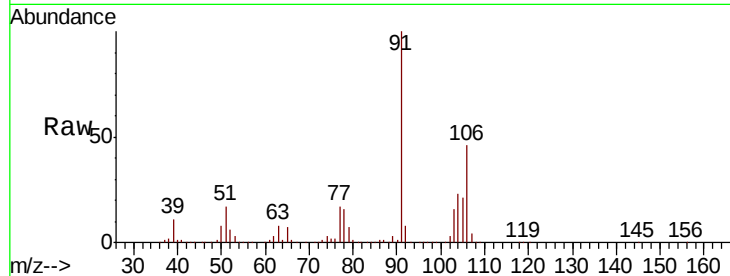




#69
o-Xylene
Concen: 46.611 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

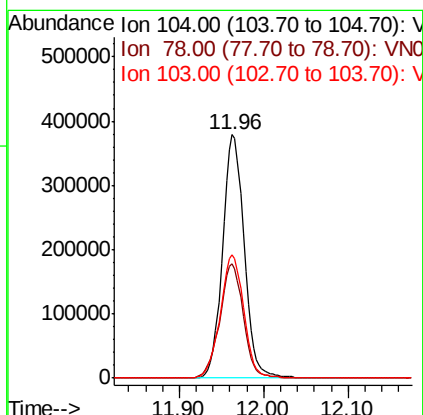
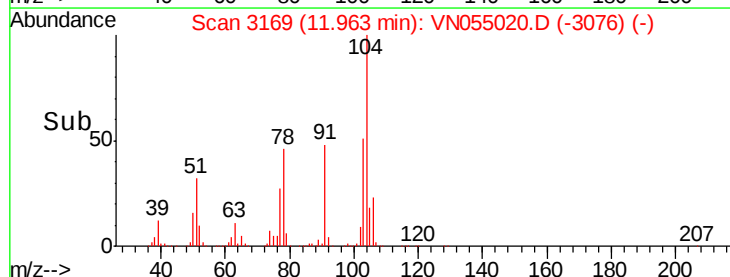
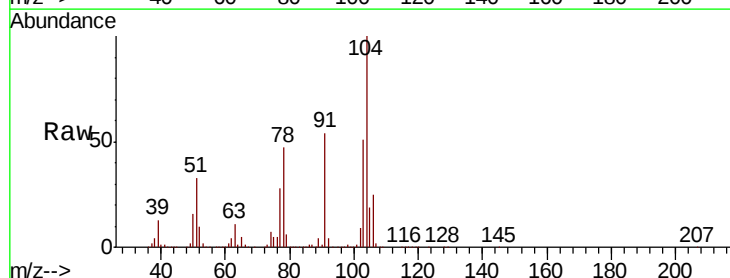
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

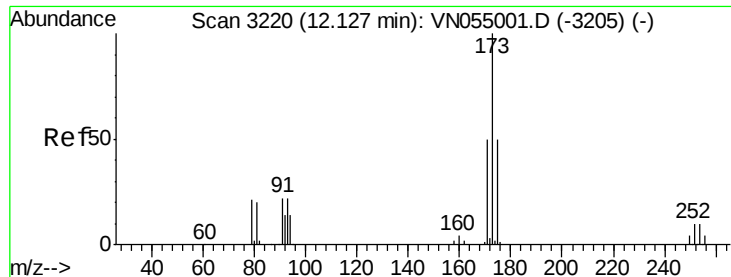
Tot Ion:106 Resp: 396456
Ion Ratio Lower Upper
106 100
91 218.7 109.9 329.8



#70
Styrene
Concen: 50.109 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055020.D
Acq: 13 Apr 2019 00:38

Tgt Ion:104 Resp: 675797
Ion Ratio Lower Upper
104 100
78 51.0 40.3 60.5
103 55.0 44.3 66.5





#71

Bromoform

Concen: 45.703 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

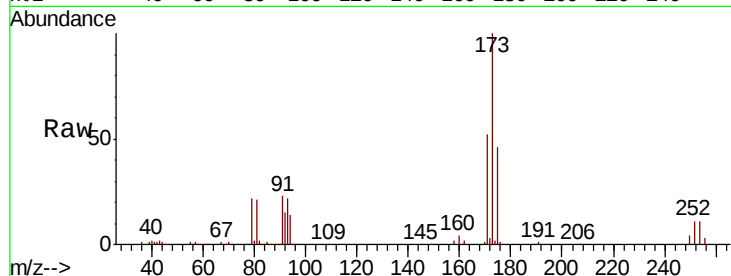
Tot Ion:173 Resp: 146972

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

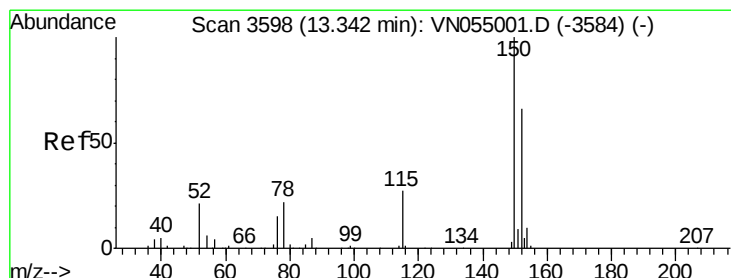
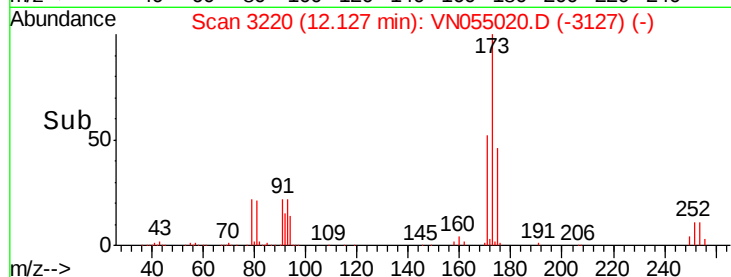
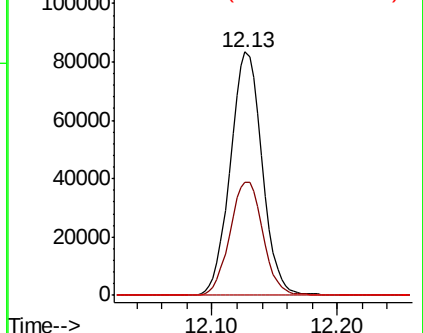
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

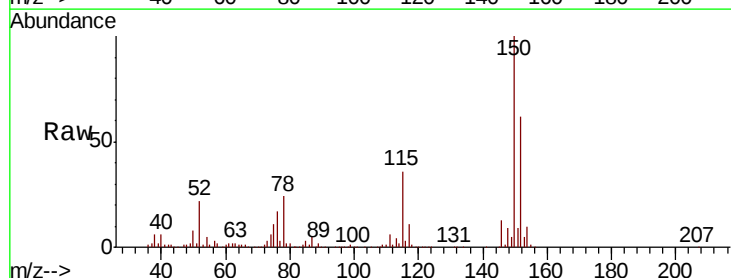
Tgt Ion:152 Resp: 278409

Ion Ratio Lower Upper

152 100

115 58.2 28.5 85.6

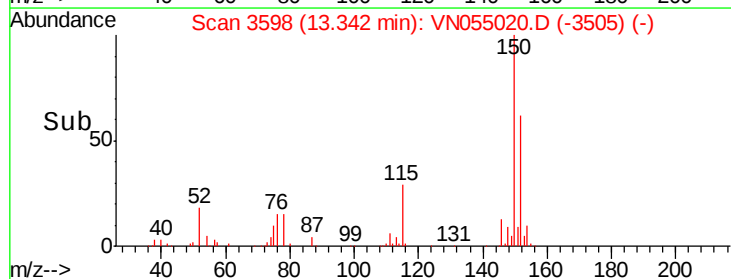
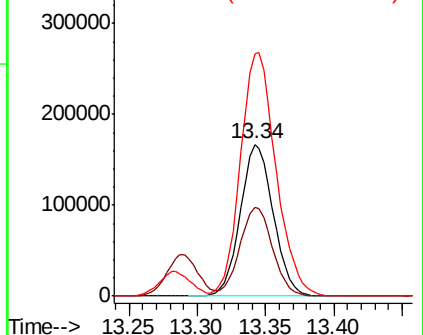
150 173.8 0.0 347.2

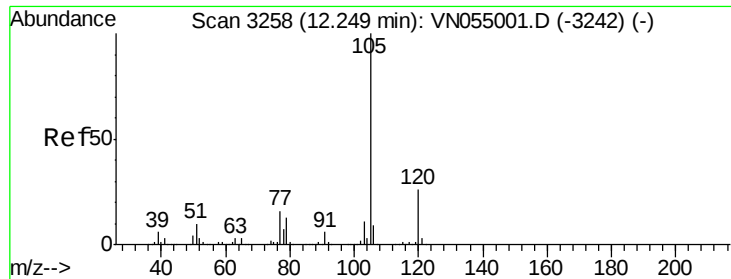


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.660 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

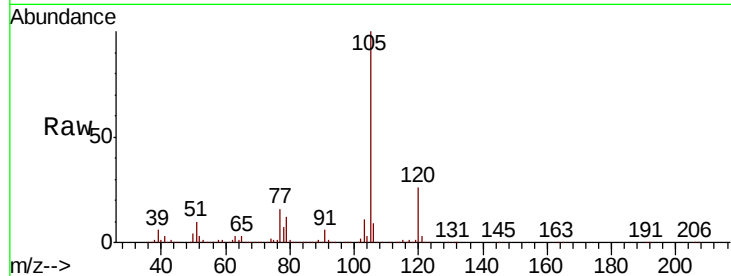
VSTDCCC050EC

Tot Ion:105 Resp: 1033491

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

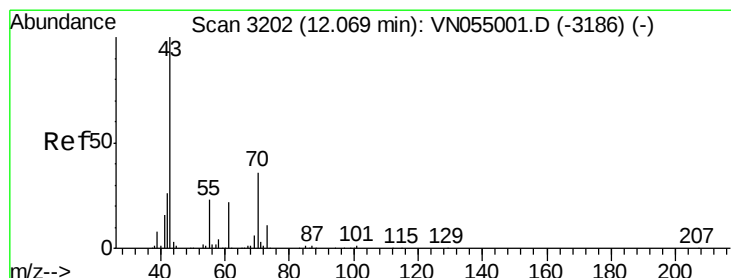
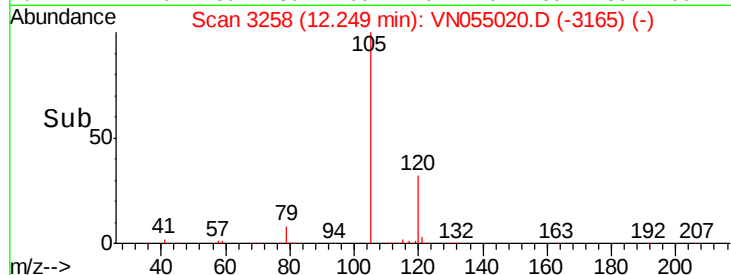
400000

200000

0

Time-->

12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 58.004 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Tgt Ion: 43 Resp: 413852

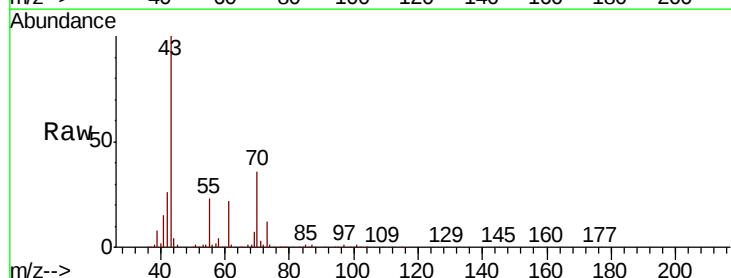
Ion Ratio Lower Upper

43 100

70 36.4 29.4 44.0

55 22.8 19.0 28.4

61 21.7 17.7 26.5



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

400000

300000

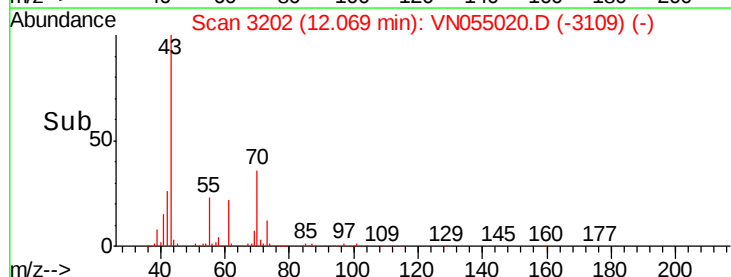
200000

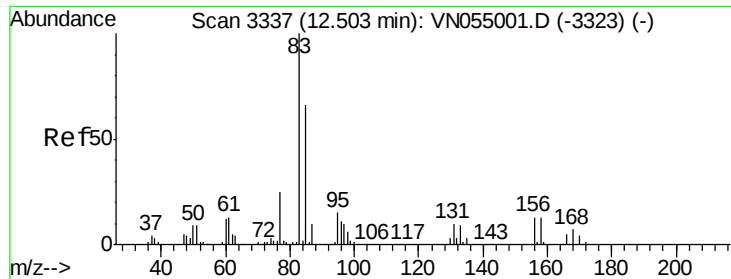
100000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 46.620 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

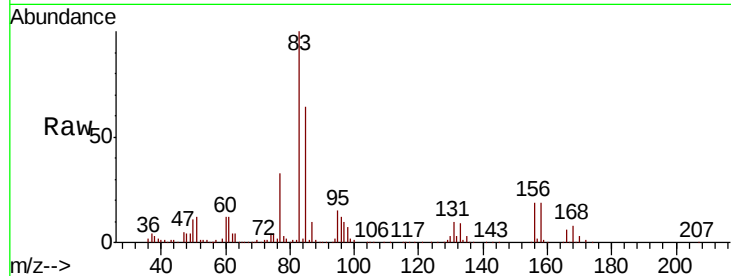
Tot Ion: 83 Resp: 285715

Ion Ratio Lower Upper

83 100

131 10.3 5.0 15.0

85 64.7 32.3 96.9

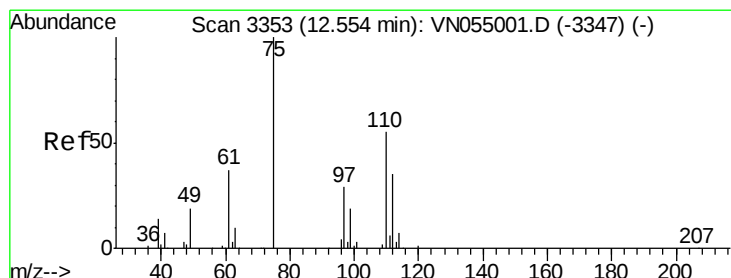
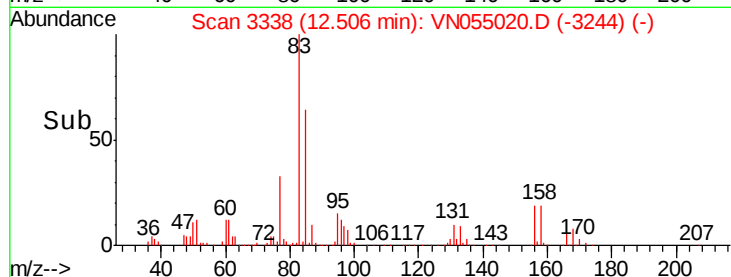


Abundance Ion 82.90 (82.60 to 83.60): VN055001.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055001.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055001.D (-3323) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 64.038 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055020.D

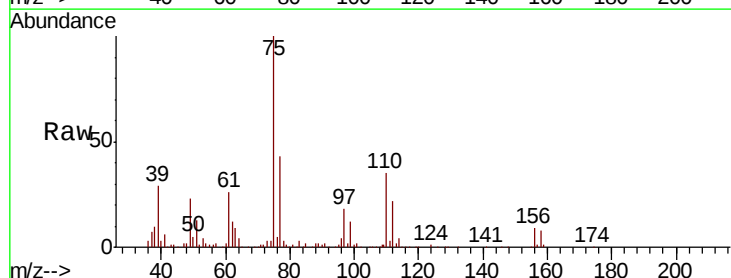
Acq: 13 Apr 2019 00:38

Tgt Ion: 75 Resp: 328004

Ion Ratio Lower Upper

75 100

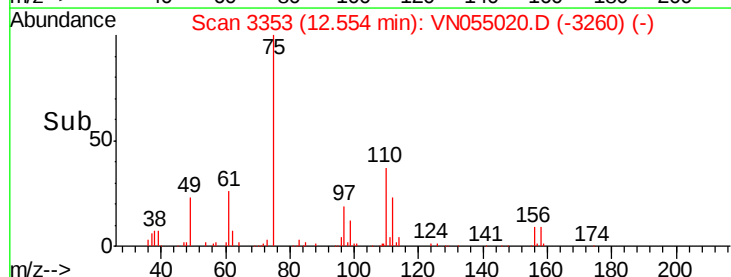
77 0.0 0.0 0.0

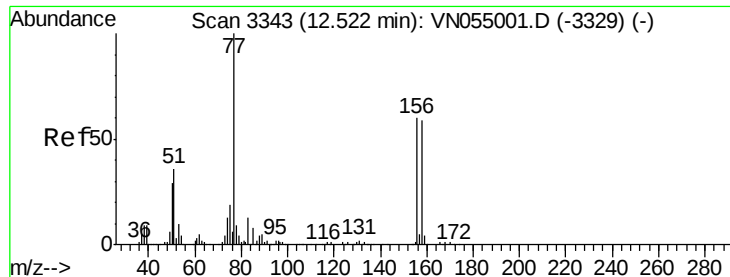


Abundance Ion 74.90 (74.60 to 75.60): VN055001.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055001.D (-3347) (-)

Time-->





#77

Bromobenzene

Concen: 49.818 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

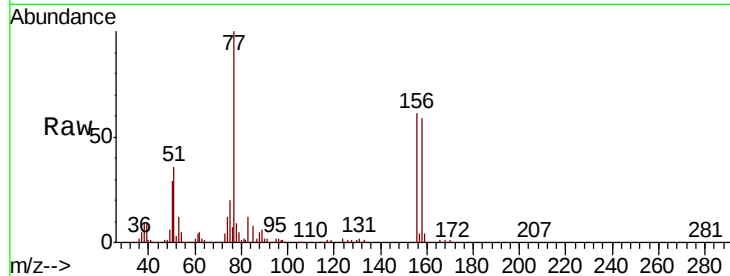
Tot Ion:156 Resp: 264421

Ion Ratio Lower Upper

156 100

77 192.2 97.2 291.5

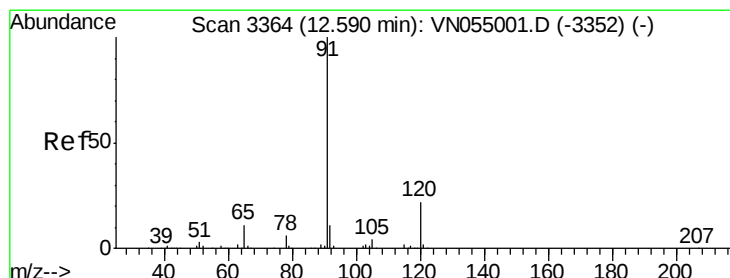
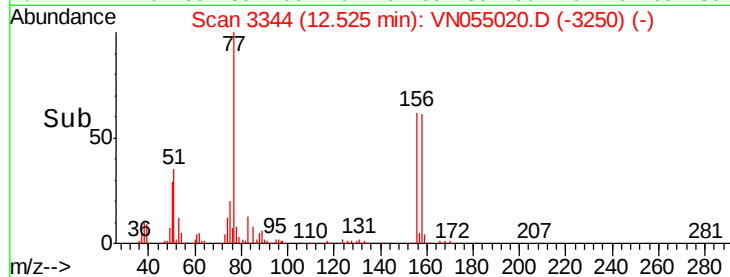
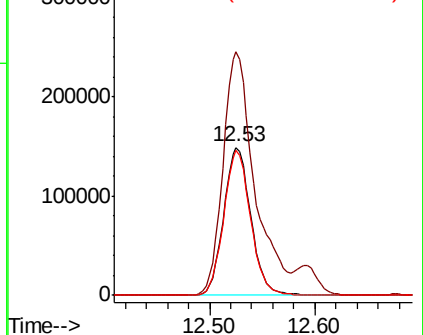
158 97.0 48.6 145.9



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: 44.303 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055020.D

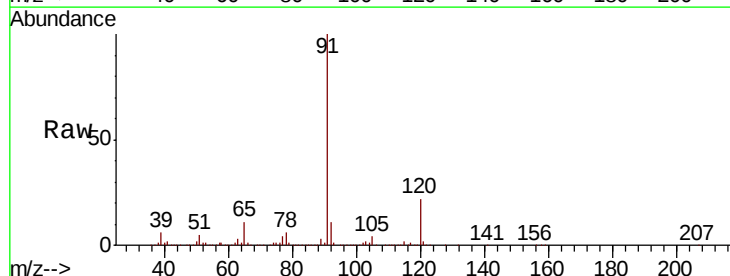
Acq: 13 Apr 2019 00:38

Tgt Ion: 91 Resp: 1142550

Ion Ratio Lower Upper

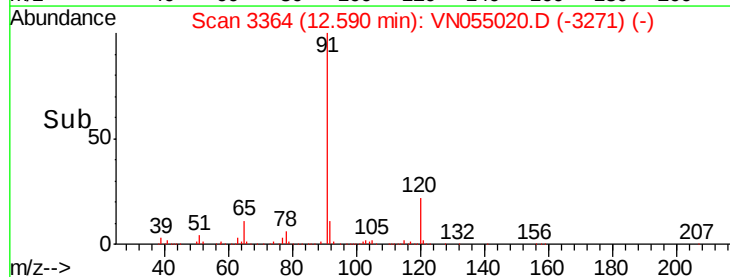
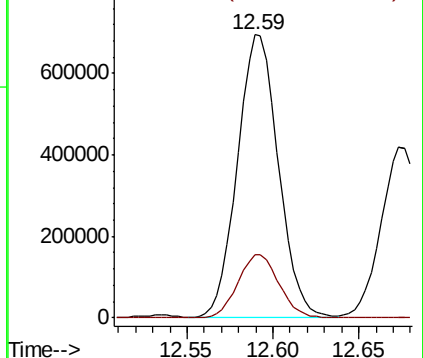
91 100

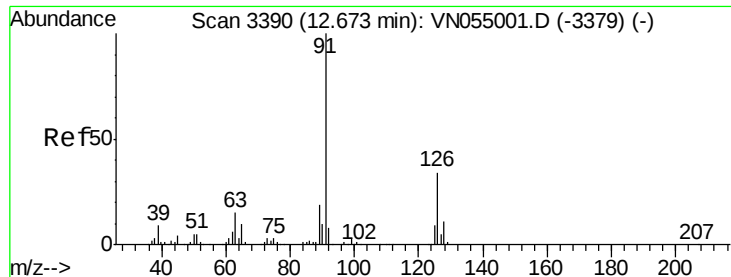
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.953 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

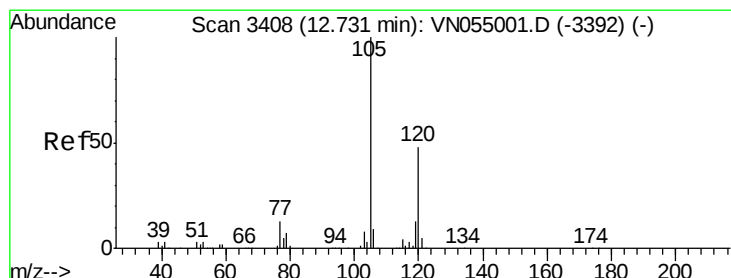
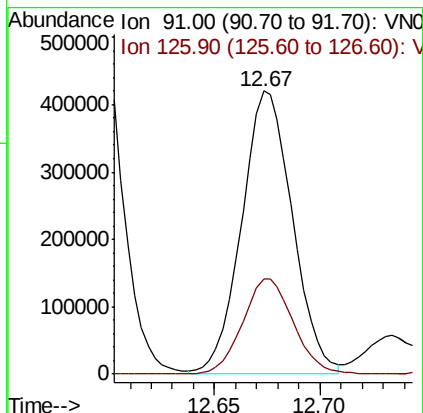
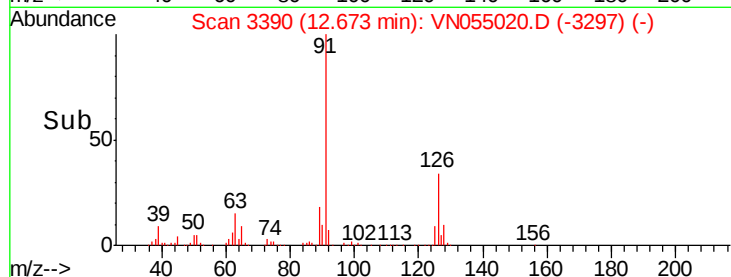
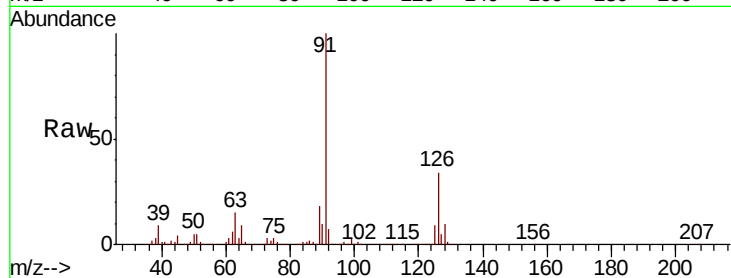
VSTDCCC050EC

Tot Ion: 91 Resp: 700259

Ion Ratio Lower Upper

91 100

126 34.0 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 43.938 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055020.D

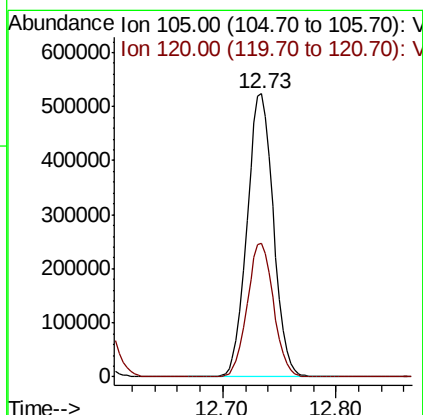
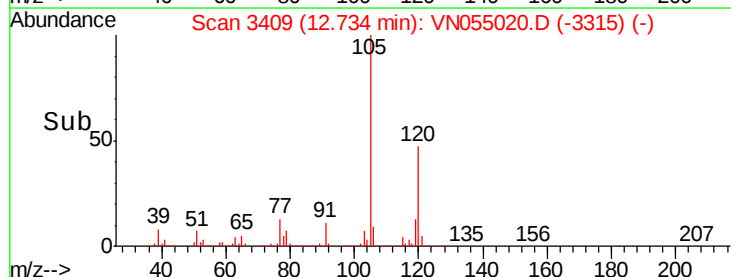
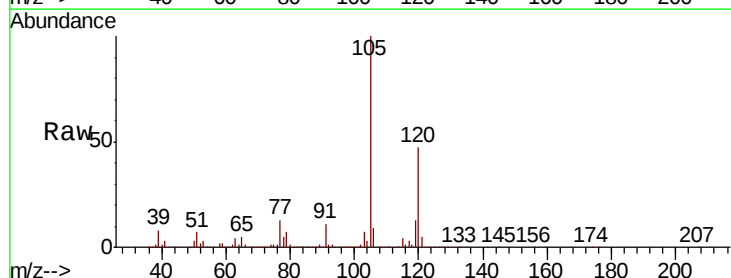
Acq: 13 Apr 2019 00:38

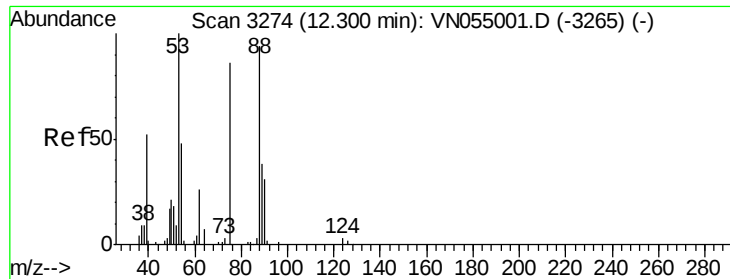
Tgt Ion: 105 Resp: 846686

Ion Ratio Lower Upper

105 100

120 47.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.265 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

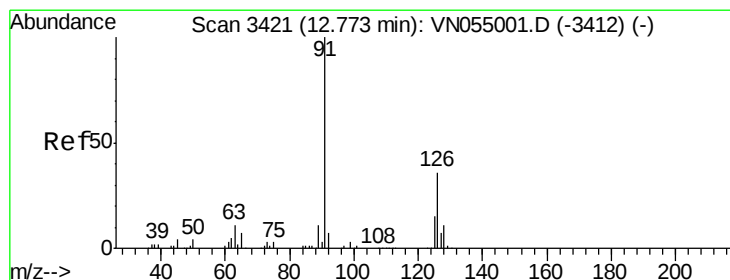
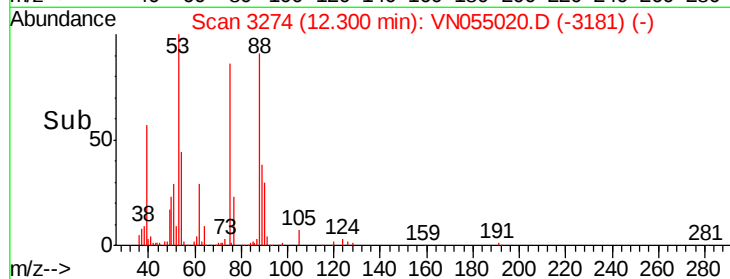
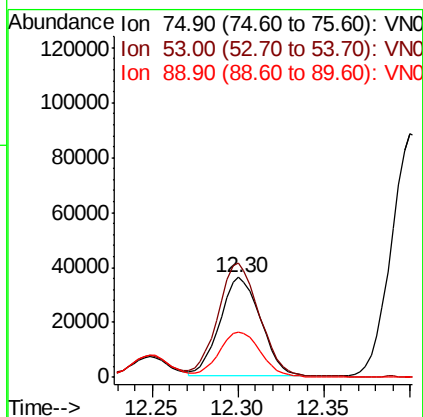
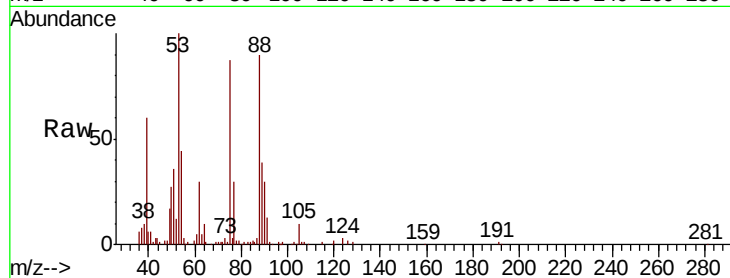
Tot Ion: 75 Resp: 59895

Ion Ratio Lower Upper

75 100

53 116.3 96.3 144.5

89 46.9 38.6 57.8



#82

4-Chlorotoluene

Concen: 45.859 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055020.D

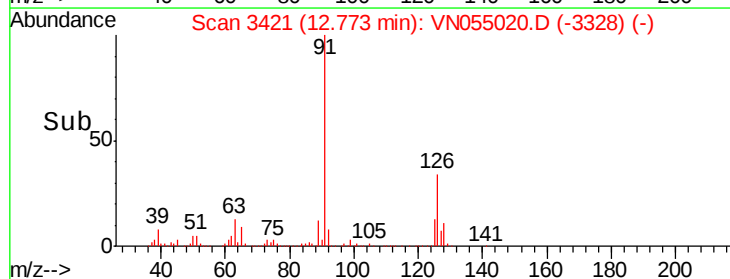
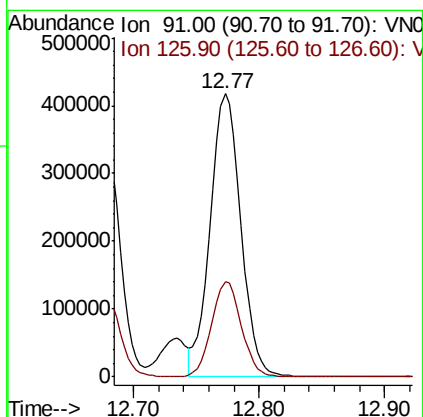
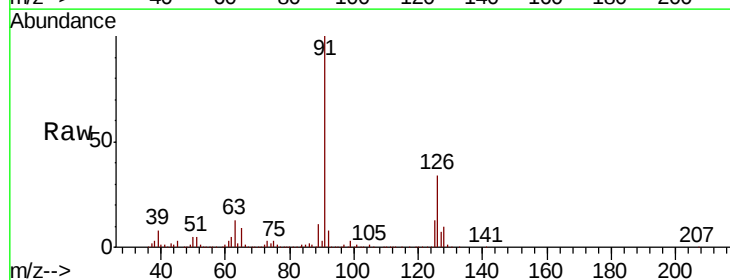
Acq: 13 Apr 2019 00:38

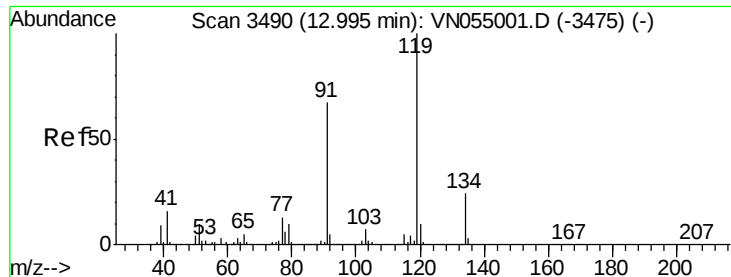
Tgt Ion: 91 Resp: 706600

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.2

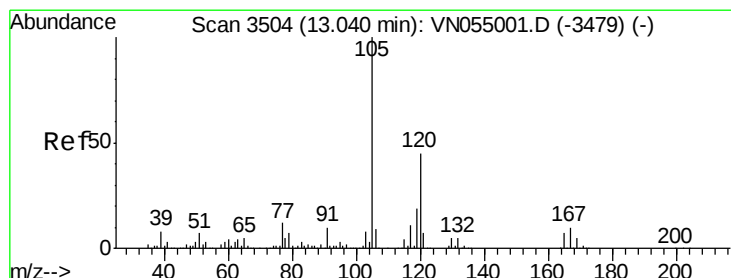
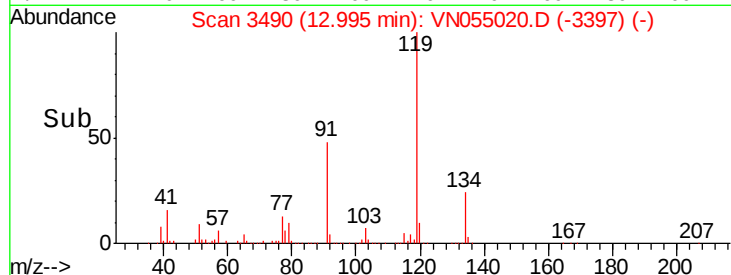
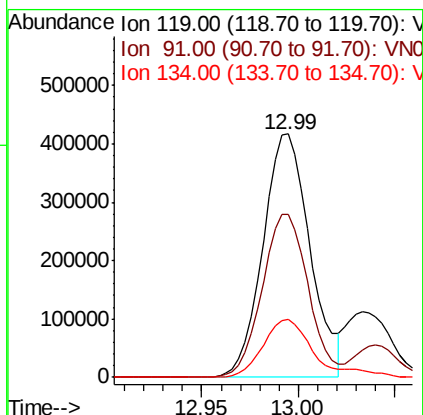
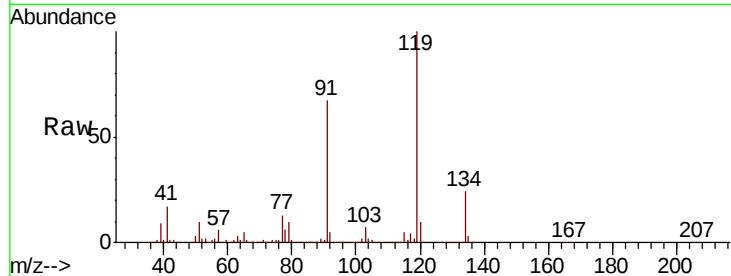




#83
 tert-Butylbenzene
 Concen: 42.822 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

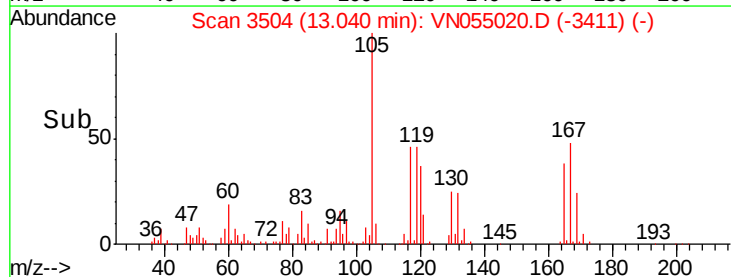
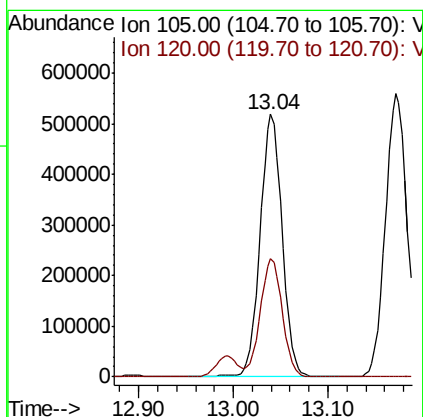
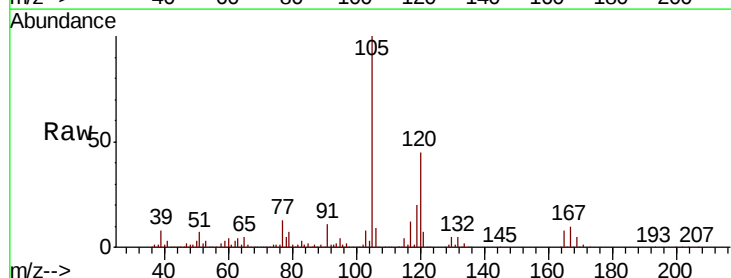
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

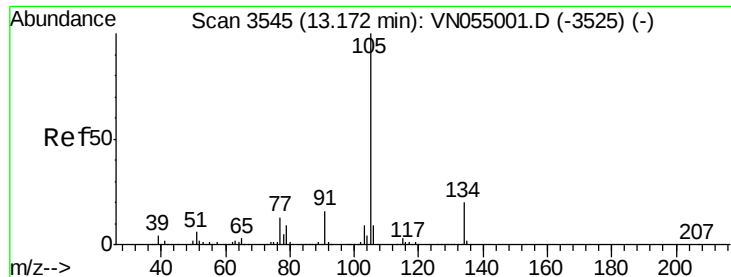
Tot Ion:119 Resp: 706923
 Ion Ratio Lower Upper
 119 100
 91 65.0 33.3 99.8
 134 26.0 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 45.231 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion:105 Resp: 835763
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.4 67.3

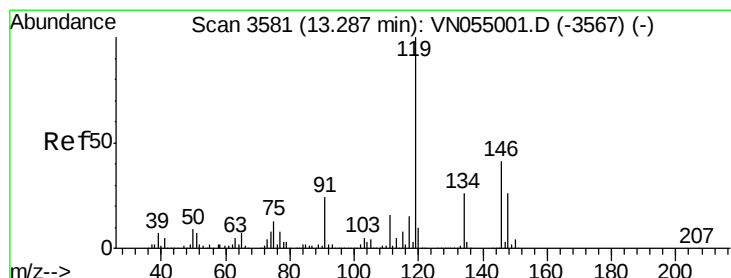
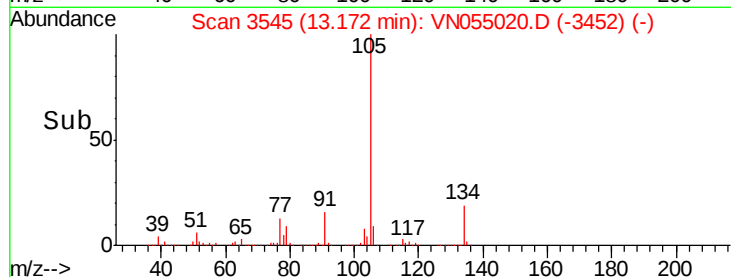
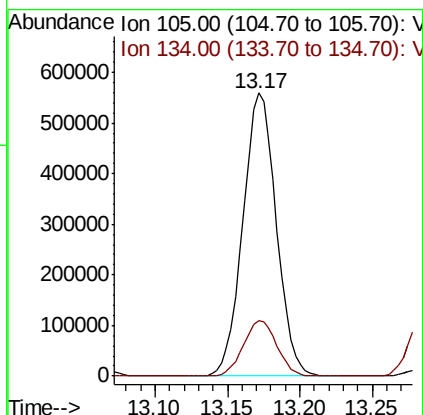
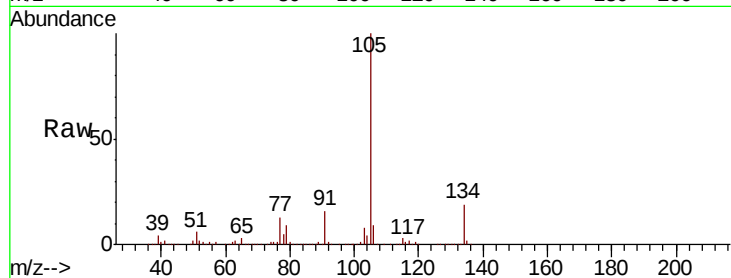




#85
 sec-Butylbenzene
 Concen: 42.387 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

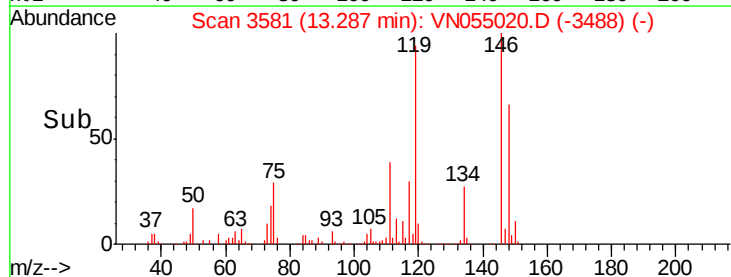
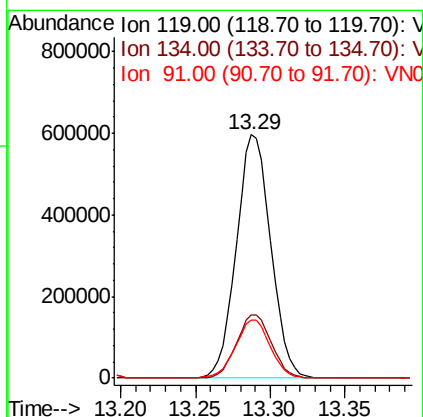
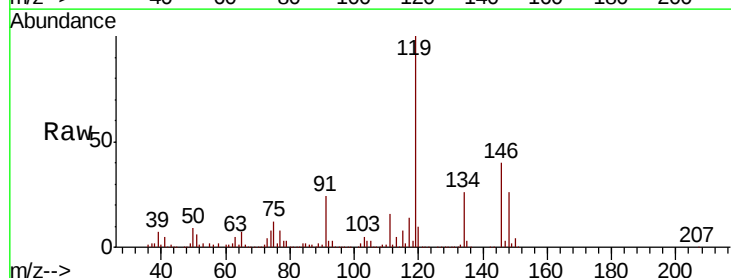
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

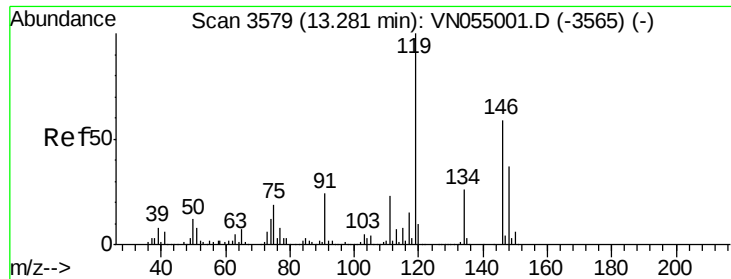
Tot Ion:105 Resp: 893422
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 51.821 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion:119 Resp: 950066
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.2 39.5
 91 24.1 11.7 35.1

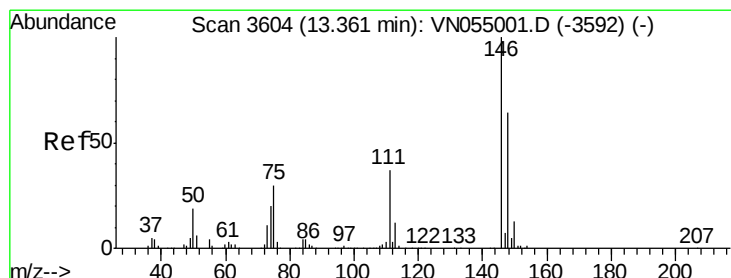
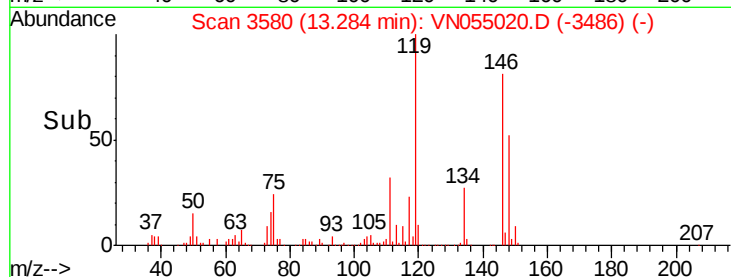
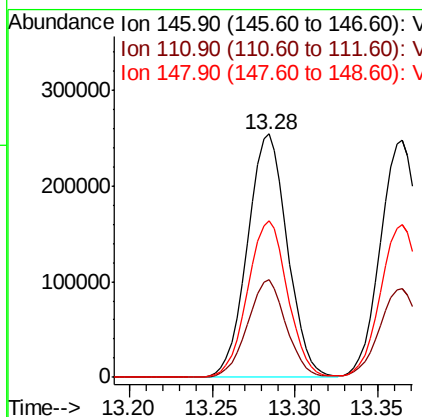
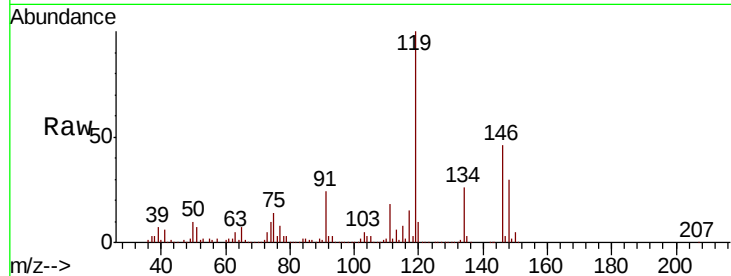




#87
 1,3-Dichlorobenzene
 Concen: 45.018 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

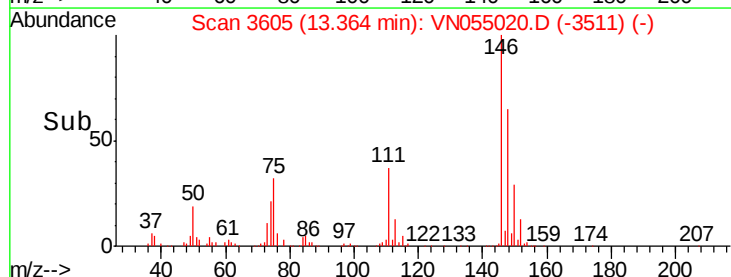
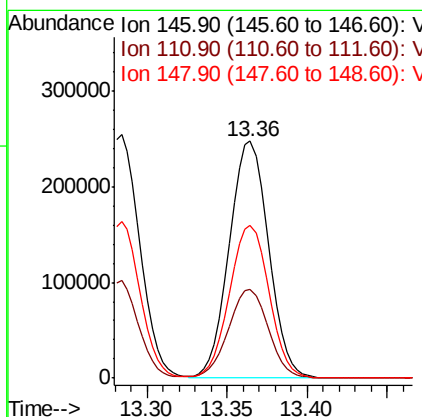
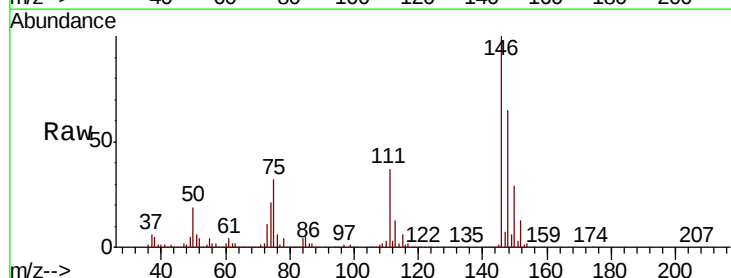
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

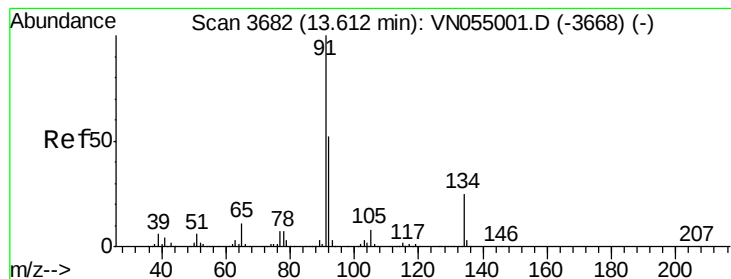
Tot Ion:146 Resp: 425707
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.5 58.5
 148 64.3 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 45.887 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion:146 Resp: 415020
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.4
 148 65.0 32.4 97.2





#89

n-Butylbenzene

Concen: 45.356 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

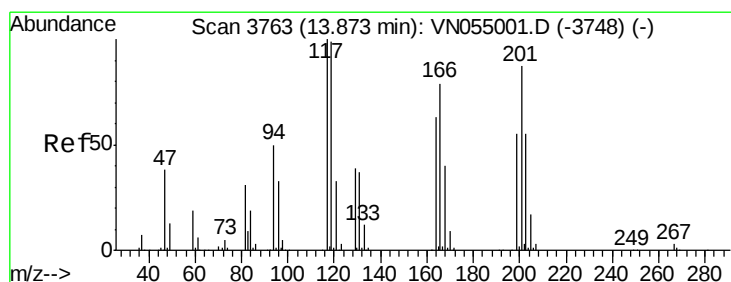
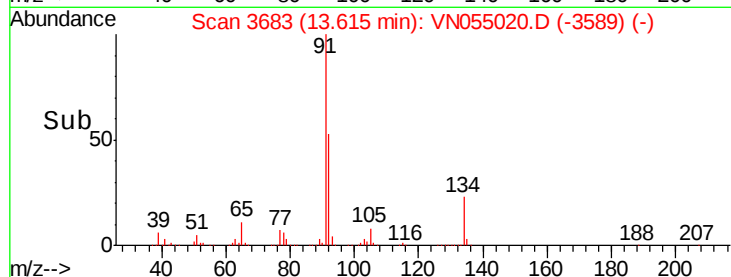
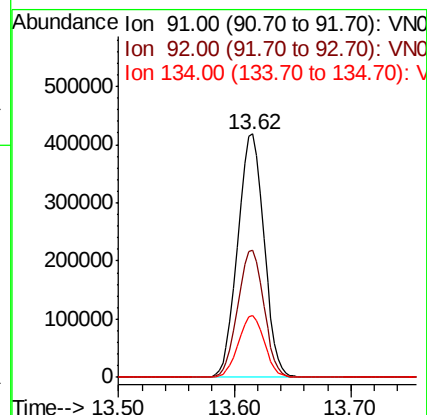
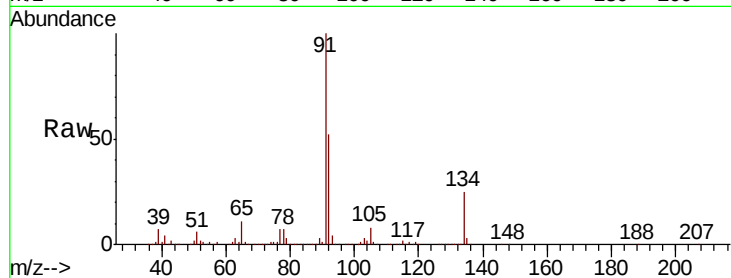
Tot Ion: 91 Resp: 653076

Ion Ratio Lower Upper

91 100

92 52.1 25.9 77.7

134 25.1 12.8 38.3



#90

Hexachloroethane

Concen: 40.629 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN055020.D

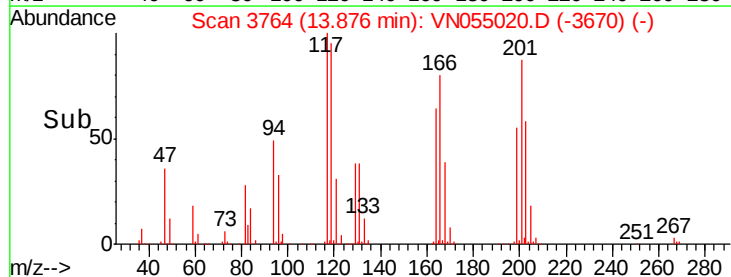
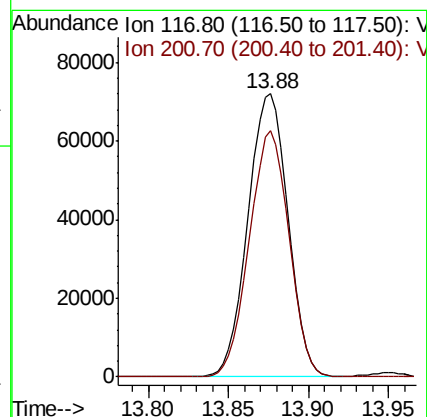
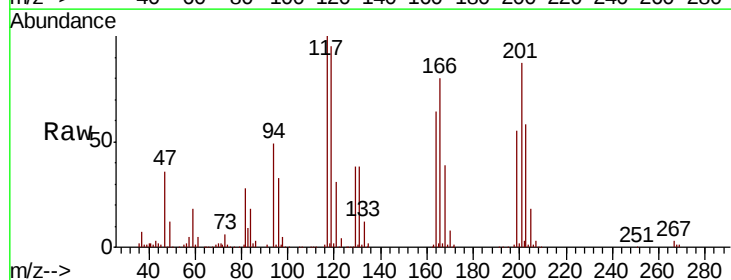
Acq: 13 Apr 2019 00:38

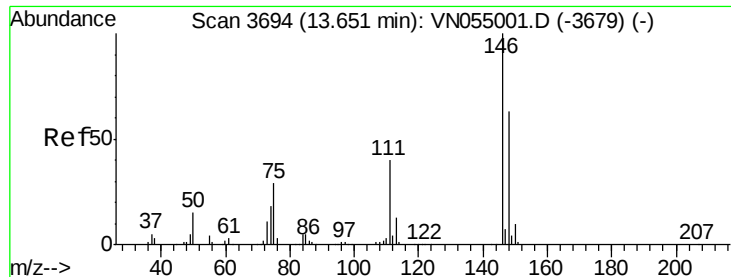
Tgt Ion: 117 Resp: 123086

Ion Ratio Lower Upper

117 100

201 86.2 43.4 130.2





#91

1,2-Dichlorobenzene

Concen: 46.283 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

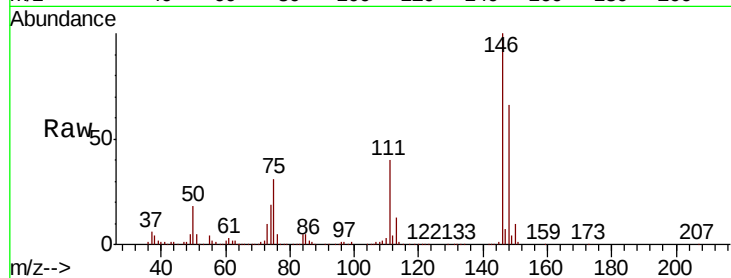
Tot Ion:146 Resp: 424888

Ion Ratio Lower Upper

146 100

111 40.2 20.3 60.9

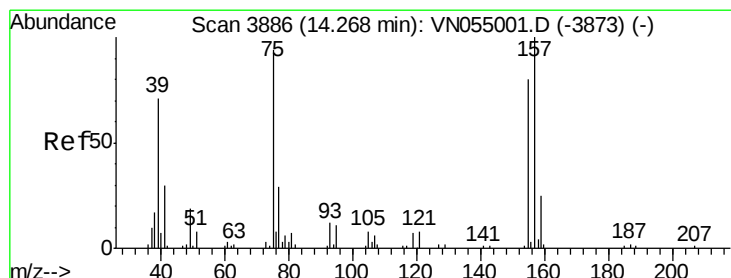
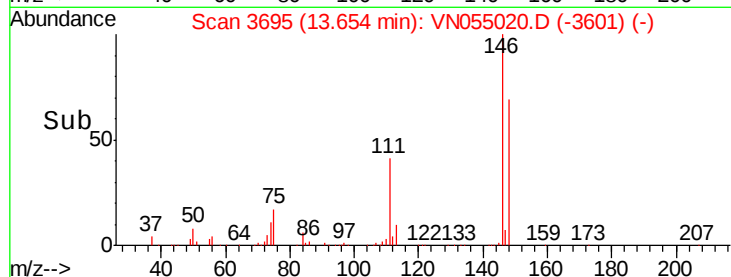
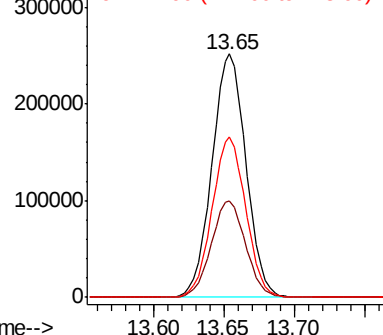
148 65.1 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.753 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

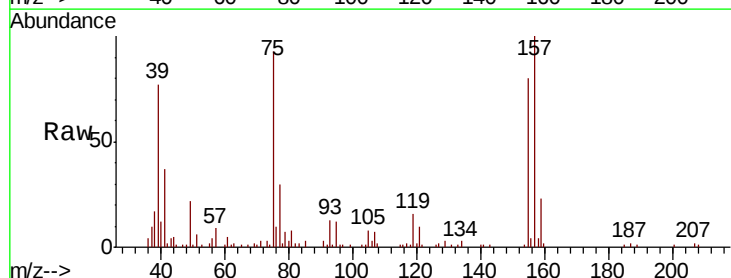
Tgt Ion: 75 Resp: 42836

Ion Ratio Lower Upper

75 100

155 85.6 42.0 126.0

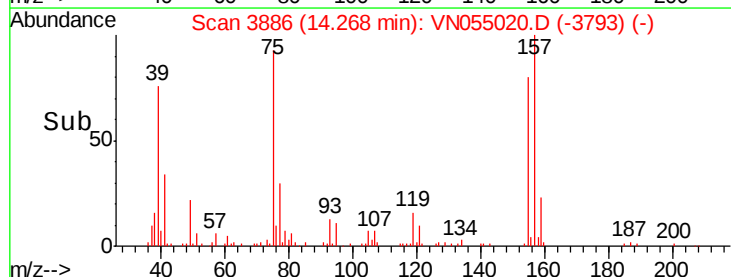
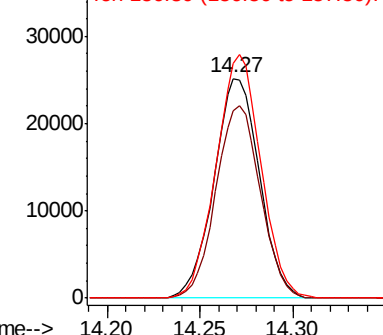
157 109.2 52.1 156.4

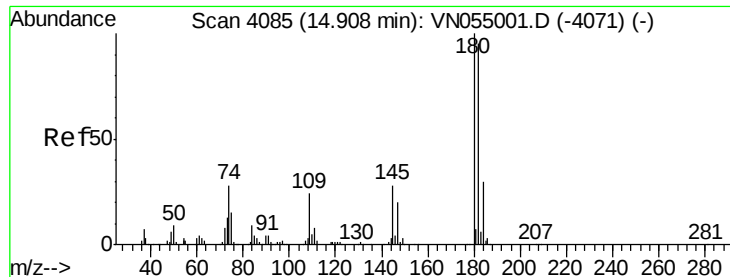


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

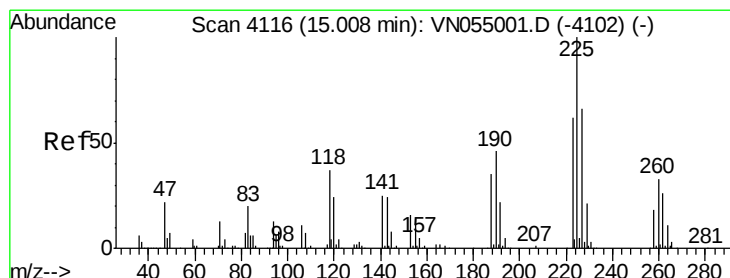
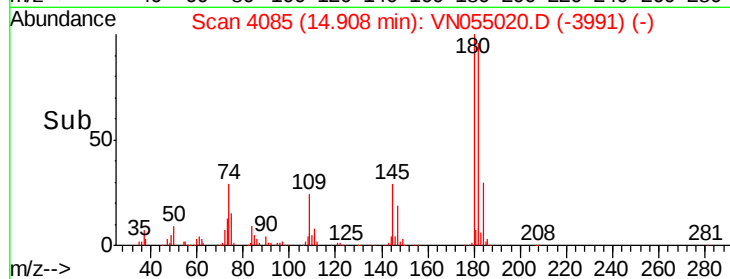
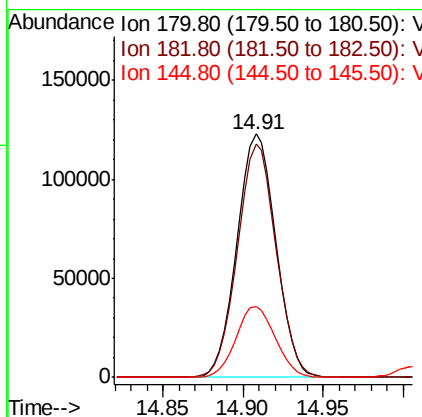
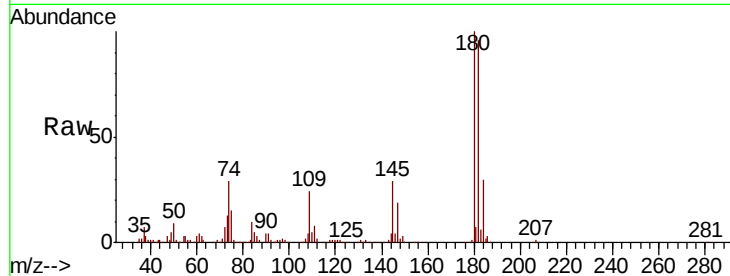




#93
 1,2,4-Trichlorobenzene
 Concen: 44.979 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

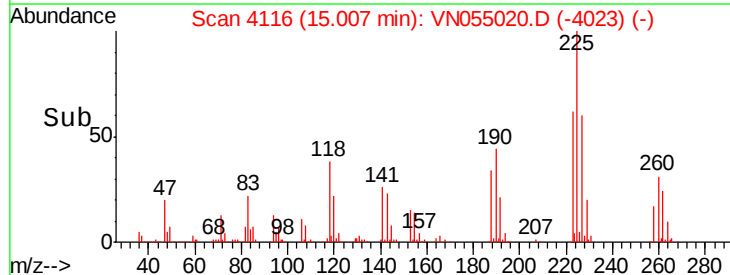
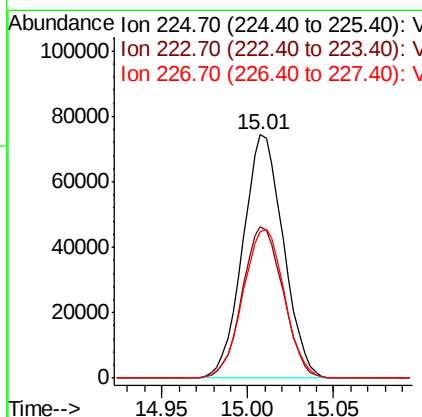
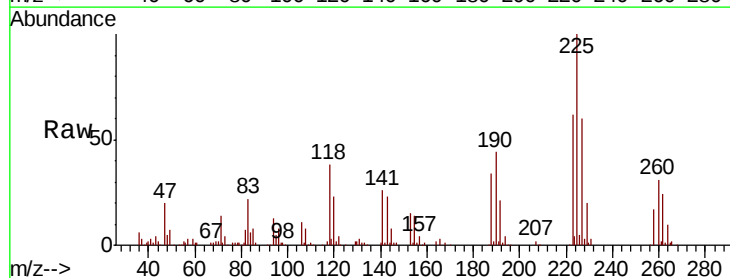
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

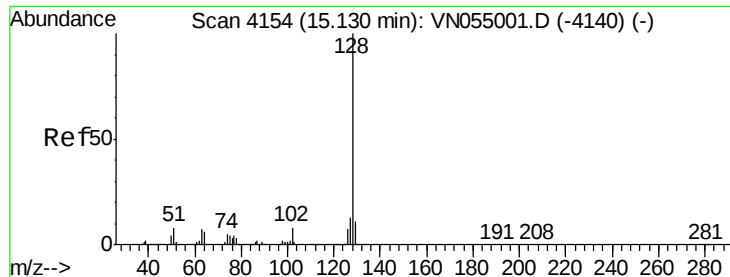
Tot Ion:180 Resp: 203337
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.5 142.6
 145 29.6 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 44.266 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055020.D
 Acq: 13 Apr 2019 00:38

Tgt Ion:225 Resp: 121896
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.4 94.0
 227 62.4 32.6 97.7





#95

Naphthalene

Concen: 47.574 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

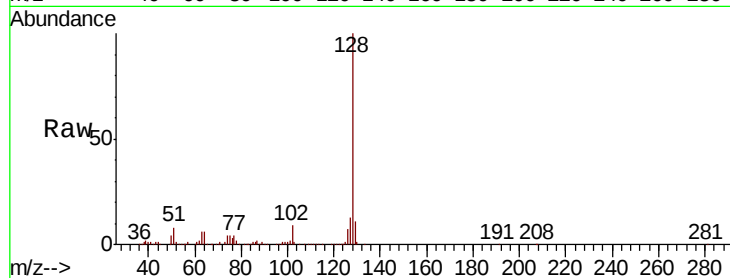
Tot Ion:128 Resp: 503505

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

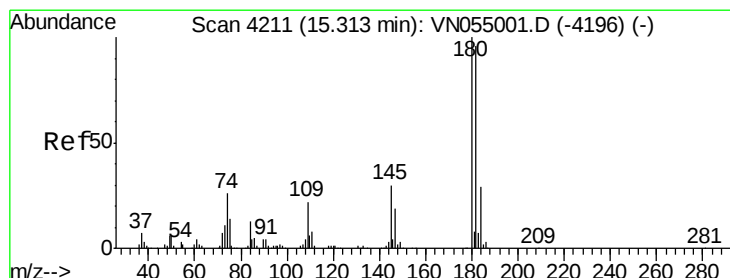
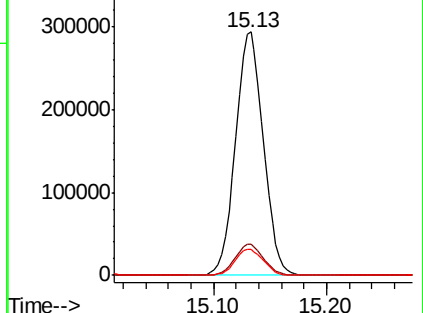
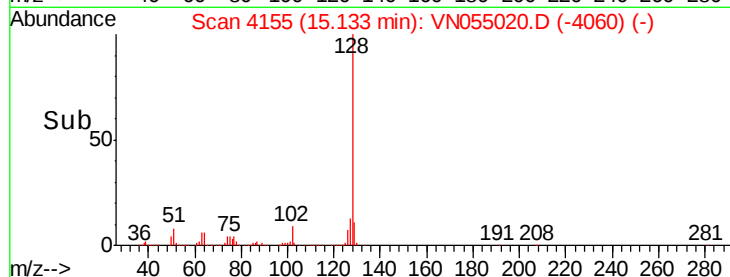
129 11.0 8.8 13.2



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: 49.134 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055020.D

Acq: 13 Apr 2019 00:38

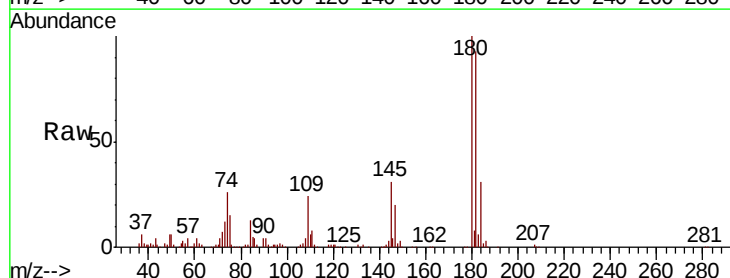
Tgt Ion:180 Resp: 203468

Ion Ratio Lower Upper

180 100

182 94.6 48.0 144.0

145 31.0 15.3 45.9



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

