

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
 Data File : VN055405.D
 Acq On : 6 May 2019 9:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: May 07 01:06:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	417641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	656929	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	552930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	224320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	256012	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
35) Dibromofluoromethane	7.59	113	209676	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
50) Toluene-d8	10.09	98	771946	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	257089	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	230938	45.132	ug/l	100
3) Chloromethane	2.06	50	255831	40.376	ug/l	99
4) Vinyl Chloride	2.19	62	228919	44.820	ug/l	97
5) Bromomethane	2.57	94	127653	47.185	ug/l	95
6) Chloroethane	2.71	64	130467	47.154	ug/l	97
7) Trichlorofluoromethane	3.02	101	333018	45.854	ug/l	99
8) Diethyl Ether	3.41	74	118854	46.776	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	205343	47.481	ug/l	99
10) Methyl Iodide	3.96	142	271616	44.627	ug/l	100
11) Tert butyl alcohol	4.78	59	66527	212.674	ug/l	95
12) 1,1-Dichloroethene	3.74	96	188257	45.631	ug/l	97
13) Acrolein	3.61	56	64282	263.133	ug/l	98
14) Allyl chloride	4.33	41	407320	47.670	ug/l	99
15) Acrylonitrile	4.99	53	395679	225.038	ug/l	100
16) Acetone	3.82	43	416933	244.907	ug/l	99
17) Carbon Disulfide	4.06	76	464181	43.113	ug/l	99
18) Methyl Acetate	4.33	43	198358	47.784	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	537497	46.344	ug/l	99
20) Methylene Chloride	4.55	84	220033	42.344	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	195408	44.723	ug/l	98
22) Diisopropyl ether	5.95	45	832481	49.035	ug/l	96
23) Vinyl Acetate	5.90	43	2632206	236.565	ug/l	99
24) 1,1-Dichloroethane	5.85	63	426904	47.195	ug/l	99
25) 2-Butanone	6.84	43	507717	233.201	ug/l	99
26) 2,2-Dichloropropane	6.83	77	309998	49.629	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	235954	47.488	ug/l	97
28) Bromochloromethane	7.19	49	213437	46.811	ug/l	98
29) Tetrahydrofuran	7.21	42	308010	220.938	ug/l	99
30) Chloroform	7.37	83	405311	47.268	ug/l	97
31) Cyclohexane	7.65	56	377669	43.945	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	329163	47.298	ug/l	99
36) 1,1-Dichloropropene	7.79	75	299762	47.639	ug/l	99
37) Ethyl Acetate	6.93	43	203737	42.247	ug/l	98
38) Carbon Tetrachloride	7.77	117	281862	46.436	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	320654	47.929	ug/l	99
40) Benzene	8.04	78	880102	47.446	ug/l	99
41) Methacrylonitrile	7.17	41	123125	47.215	ug/l	97
42) 1,2-Dichloroethane	8.12	62	307448	46.797	ug/l	100
43) Isopropyl Acetate	8.16	43	363572	46.912	ug/l #	88
44) Trichloroethene	8.83	130	227031	48.010	ug/l	100
45) 1,2-Dichloropropane	9.12	63	254668	47.602	ug/l	100
46) Dibromomethane	9.21	93	134026	45.831	ug/l	99
47) Bromodichloromethane	9.40	83	312588	49.826	ug/l	99
48) Methyl methacrylate	9.20	41	169852	44.581	ug/l	99
49) 1,4-Dioxane	9.20	88	35799	908.947	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1007171	230.820	ug/l	99
52) Toluene	10.15	92	516335	48.513	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	283034	51.970	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	345762	50.921	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	184469	46.675	ug/l	98
56) Ethyl methacrylate	10.43	69	233653	48.031	ug/l	99
57) 1,3-Dichloropropane	10.71	76	330296	47.639	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	262202	177.464	ug/l	99
59) 2-Hexanone	10.75	43	647915	237.318	ug/l	98
60) Dibromochloromethane	10.90	129	207657	51.409	ug/l	99
61) 1,2-Dibromoethane	11.00	107	170215	46.596	ug/l	99
64) Tetrachloroethene	10.63	164	217221	48.039	ug/l	99
65) Chlorobenzene	11.43	112	525345	48.596	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	208949	49.361	ug/l	100
67) Ethyl Benzene	11.51	91	987024	50.561	ug/l	99
68) m/p-Xylenes	11.62	106	716412	102.813	ug/l	99
69) o-Xylene	11.95	106	348611	50.475	ug/l	99
70) Styrene	11.96	104	577701	54.478	ug/l	100
71) Bromoform	12.12	173	122911	52.328	ug/l #	99
73) Isopropylbenzene	12.25	105	951710	53.544	ug/l	100
74) N-amyl acetate	12.07	43	253927	44.108	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	212593	47.685	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	259197	62.809	ug/l #	100
77) Bromobenzene	12.53	156	220183	51.522	ug/l	99
78) n-propylbenzene	12.59	91	1064243	46.186	ug/l	100
79) 2-Chlorotoluene	12.67	91	645314	53.254	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	789306	44.883	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53352	45.072	ug/l	98
82) 4-Chlorotoluene	12.77	91	621238	46.369	ug/l	100
83) tert-Butylbenzene	12.99	119	662731	53.442	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	760013	48.322	ug/l	100
85) sec-Butylbenzene	13.17	105	877308	45.898	ug/l	99
86) p-Isopropyltoluene	13.29	119	756471	48.151	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	369476	49.222	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	355001	50.220	ug/l	99
89) n-Butylbenzene	13.61	91	601538	53.884	ug/l	99
90) Hexachloroethane	13.87	117	131930	53.136	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	361159	48.545	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29098	49.306	ug/l	100

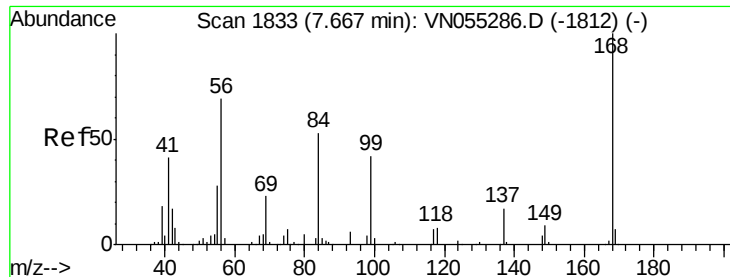
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	141569	48.382	ug/l	99
94) Hexachlorobutadiene	15.01	225	136298	61.529	ug/l	96
95) Naphthalene	15.13	128	259780	42.219	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	139217	48.292	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: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

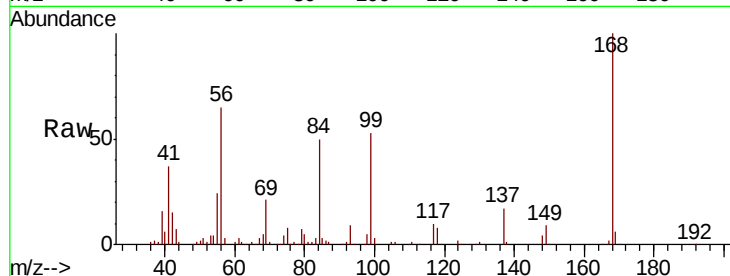
VSTDCCC050

Tot Ion:168 Resp: 417641

Ion Ratio Lower Upper

168 100

99 52.6 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

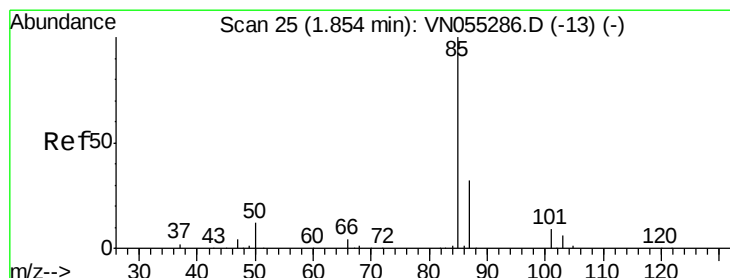
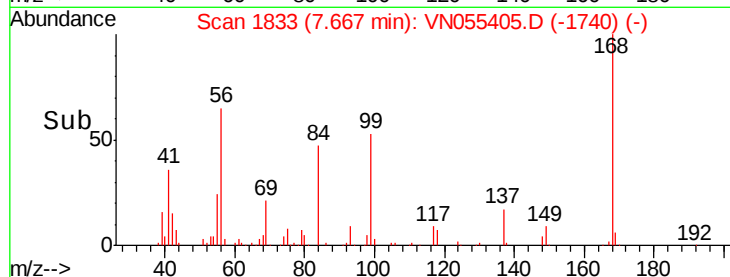
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.132 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055405.D

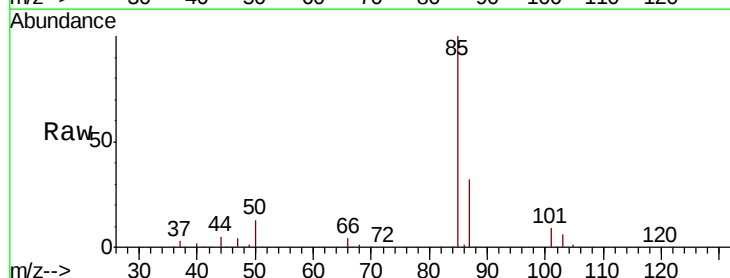
Acq: 6 May 2019 9:23

Tgt Ion: 85 Resp: 230938

Ion Ratio Lower Upper

85 100

87 32.2 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

150000

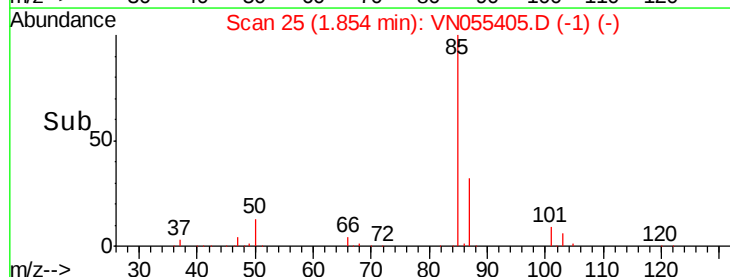
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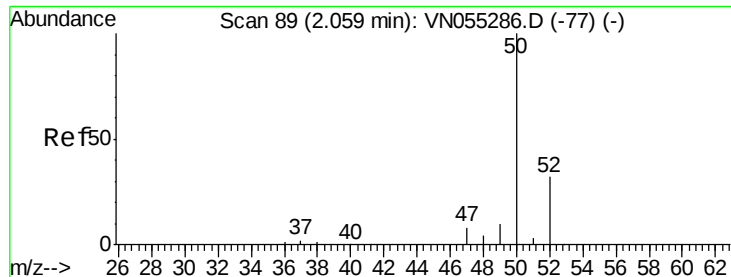
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 40.376 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

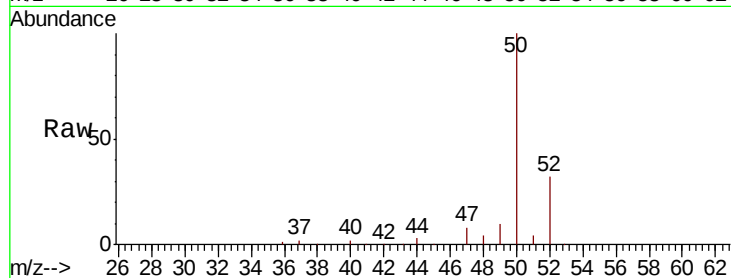
VSTDCCC050

Tot Ion: 50 Resp: 255831

Ion Ratio Lower Upper

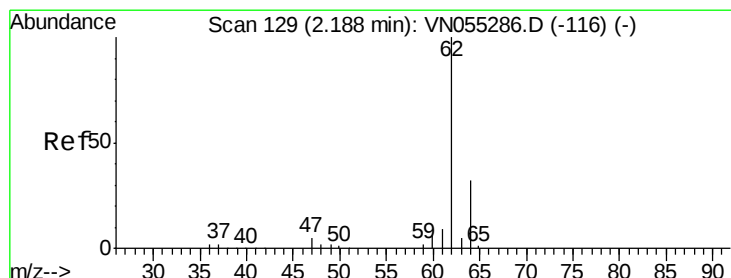
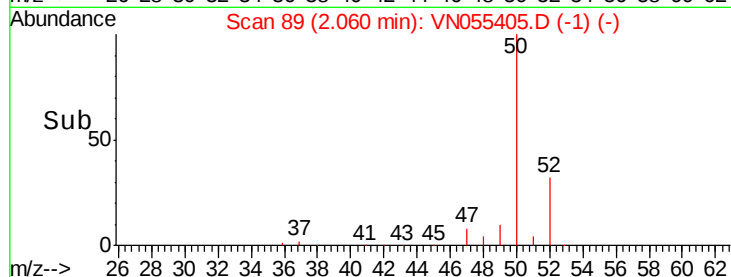
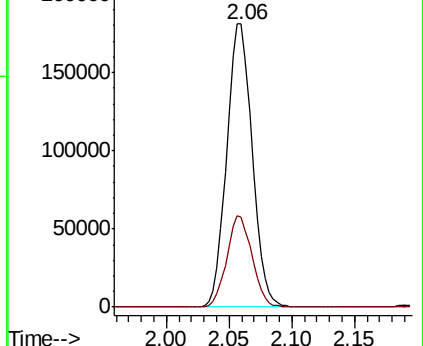
50 100

52 31.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 44.820 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055405.D

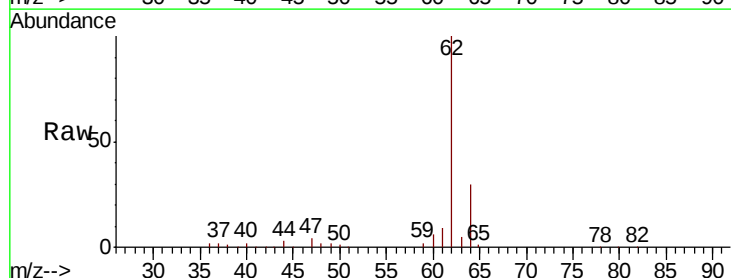
Acq: 6 May 2019 9:23

Tgt Ion: 62 Resp: 228919

Ion Ratio Lower Upper

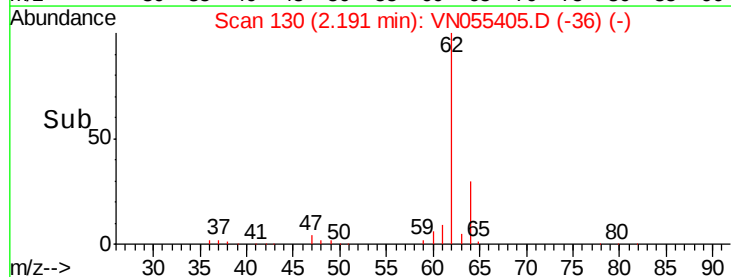
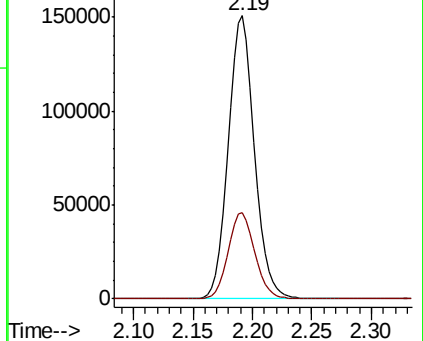
62 100

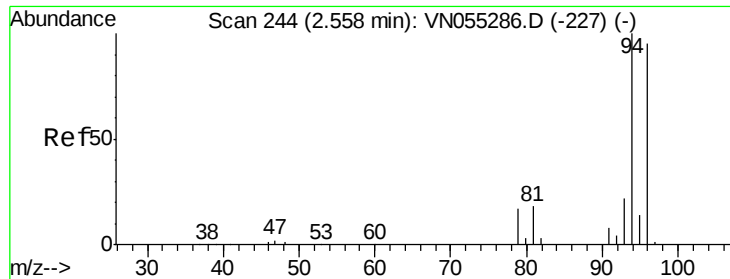
64 30.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

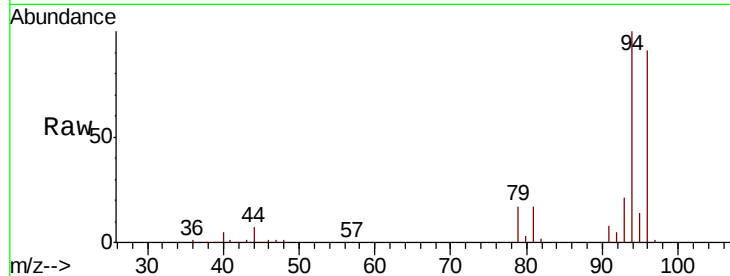




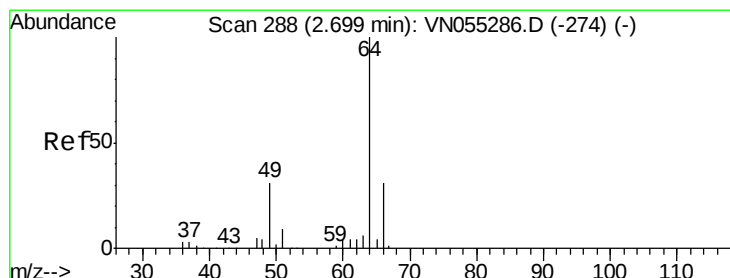
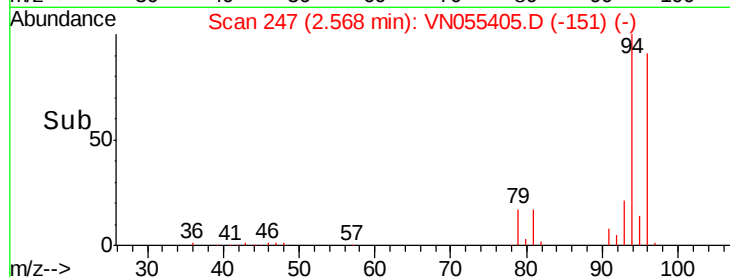
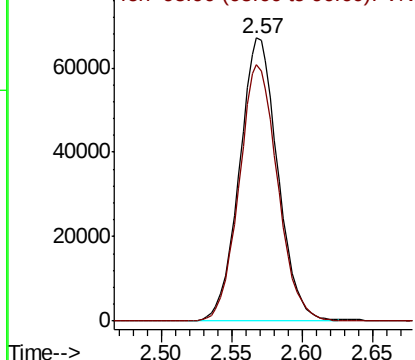
#5
Bromomethane
Concen: 47.185 ug/l
RT: 2.57 min Scan# 247
Delta R.T. 0.01 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 127653
Ion Ratio Lower Upper
94 100
96 90.6 76.0 114.0

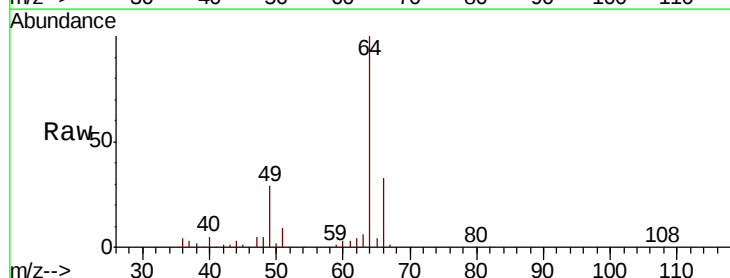


Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0

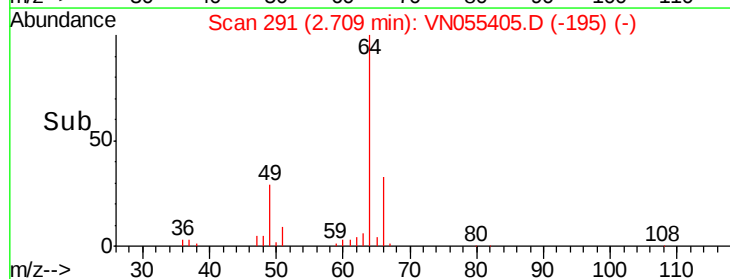
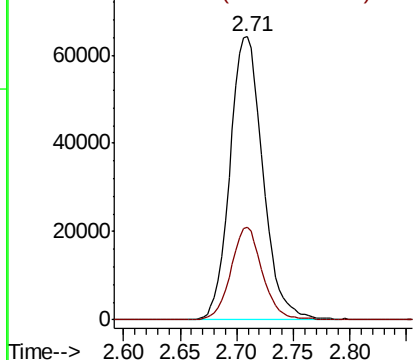


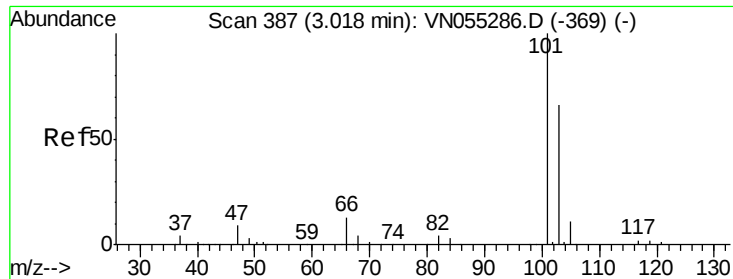
#6
Chloroethane
Concen: 47.154 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.01 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion: 64 Resp: 130467
Ion Ratio Lower Upper
64 100
66 32.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



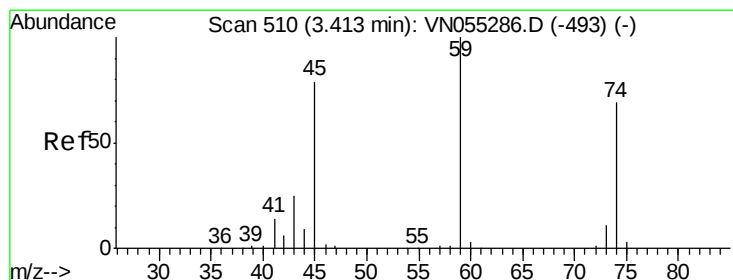
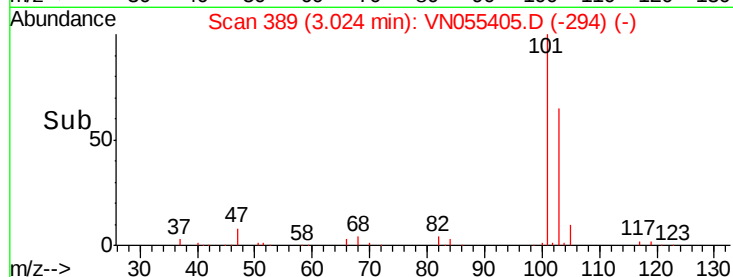
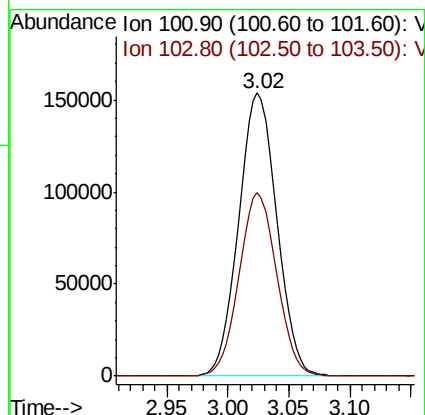
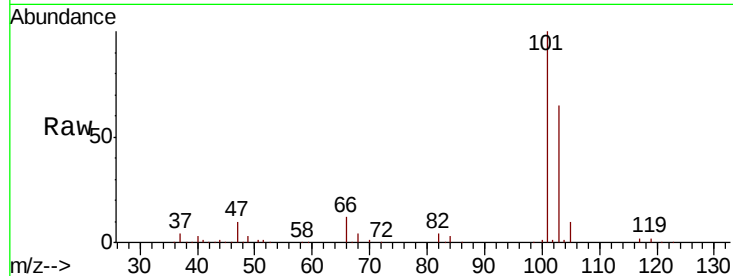


#7

Trichlorofluoromethane
 Concen: 45.854 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Instrument :
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 VSTDCCC050

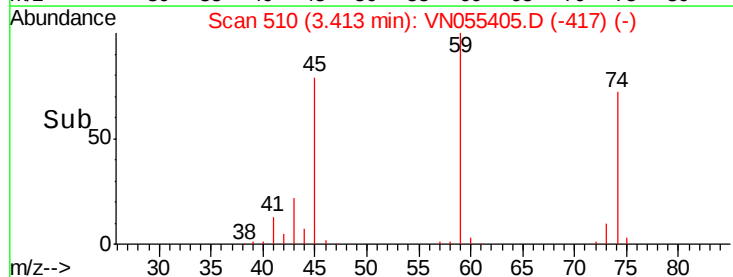
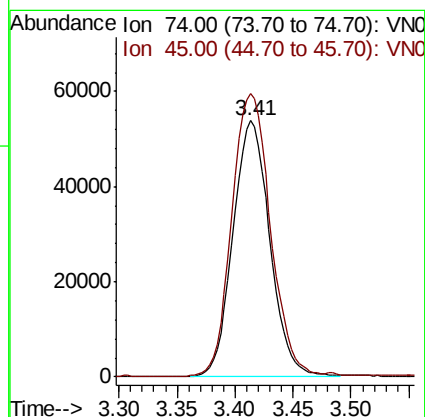
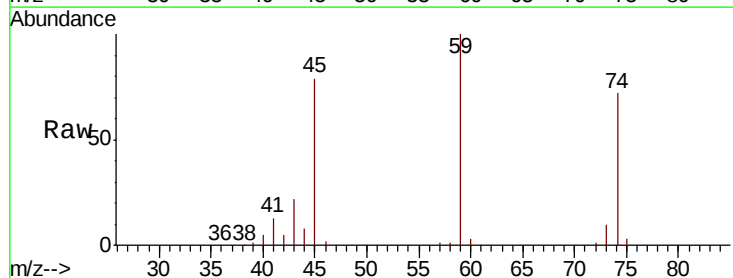
Tot Ion:101 Resp: 333018
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.6 79.0

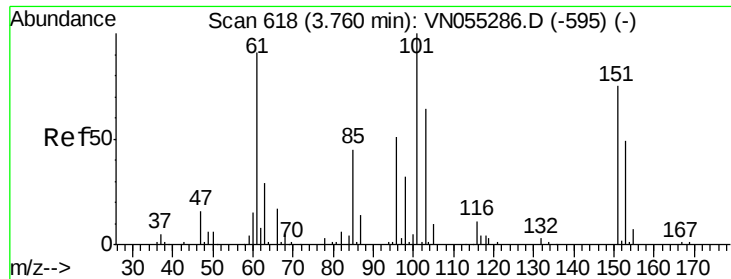


#8

Diethyl Ether
 Concen: 46.776 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion: 74 Resp: 118854
 Ion Ratio Lower Upper
 74 100
 45 116.2 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.481 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

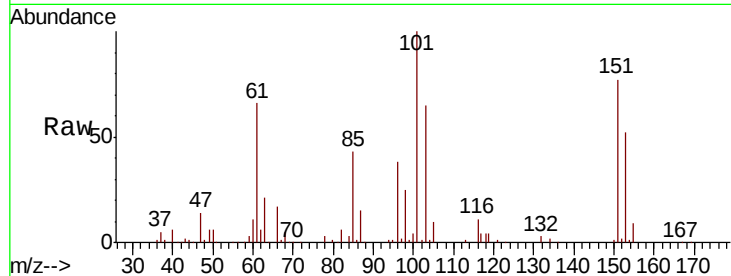
Tot Ion:101 Resp: 205343

Ion Ratio Lower Upper

101 100

85 43.7 35.7 53.5

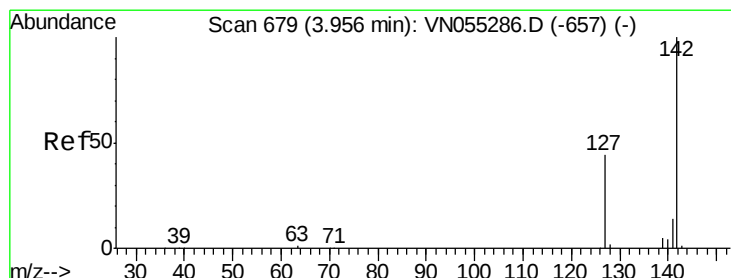
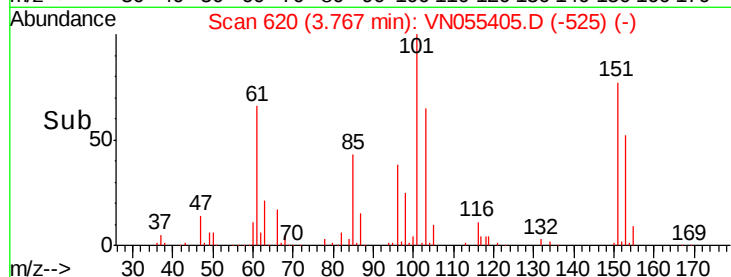
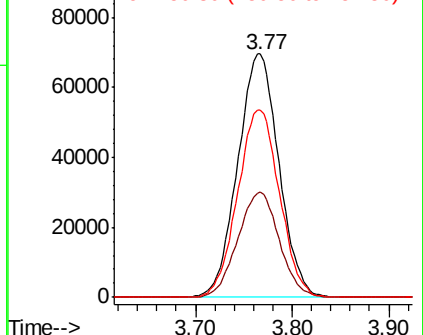
151 78.4 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.627 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

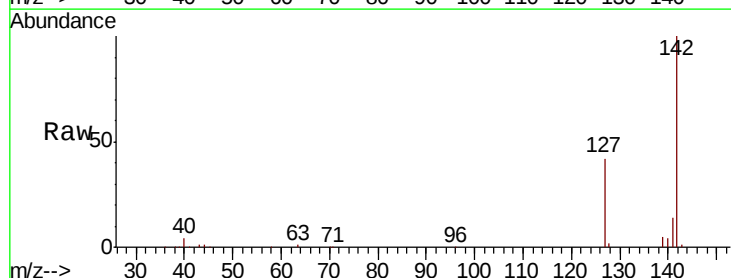
Tgt Ion:142 Resp: 271616

Ion Ratio Lower Upper

142 100

127 43.2 34.4 51.6

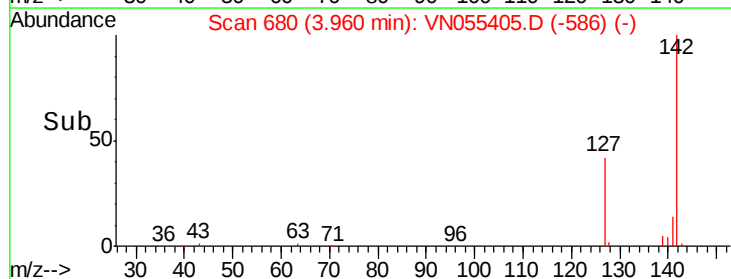
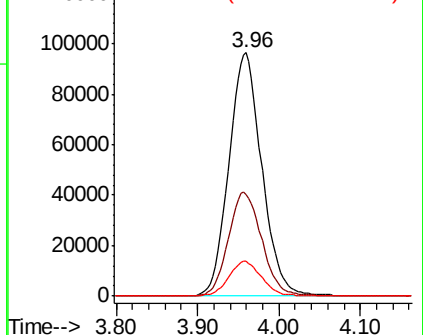
141 14.3 11.5 17.3

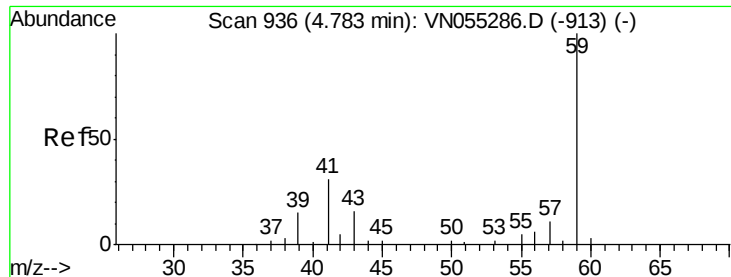


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

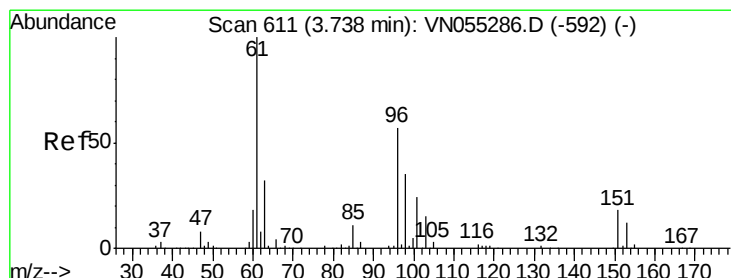
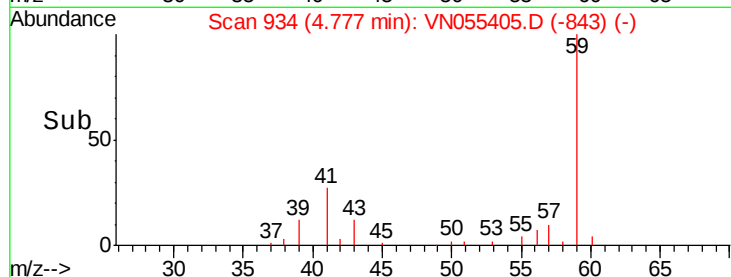
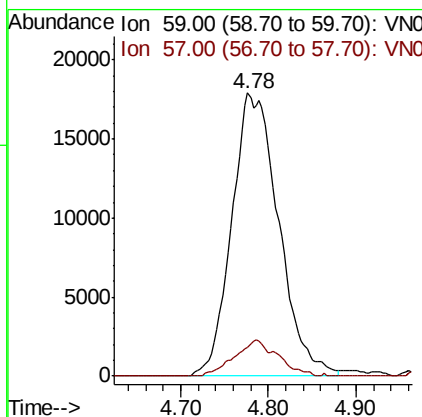
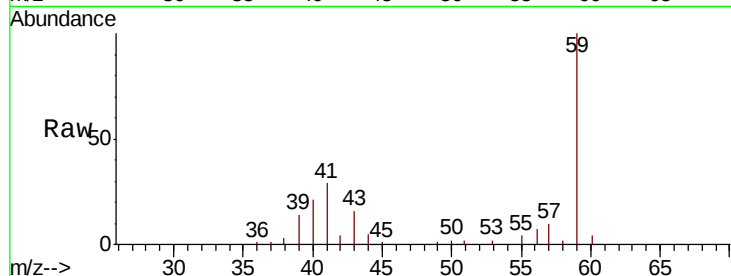




#11
Tert butyl alcohol
Concen: 212.674 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

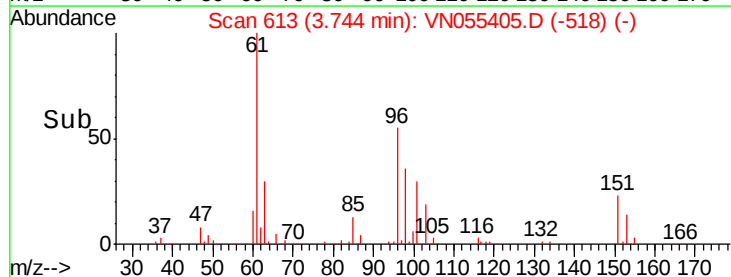
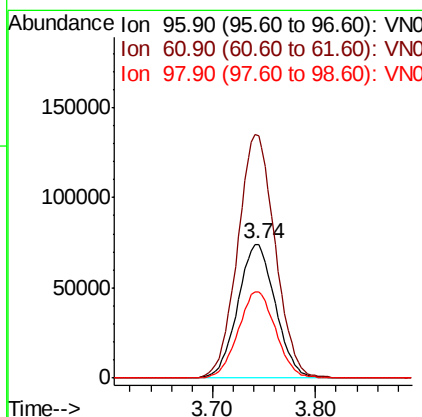
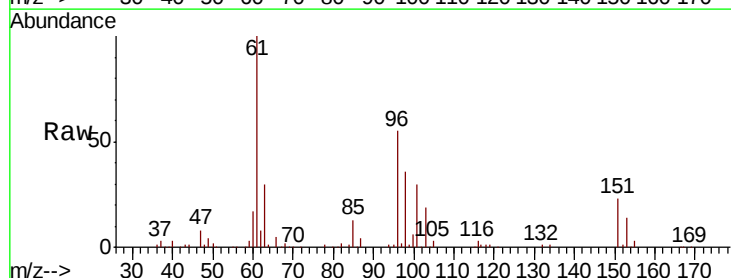
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

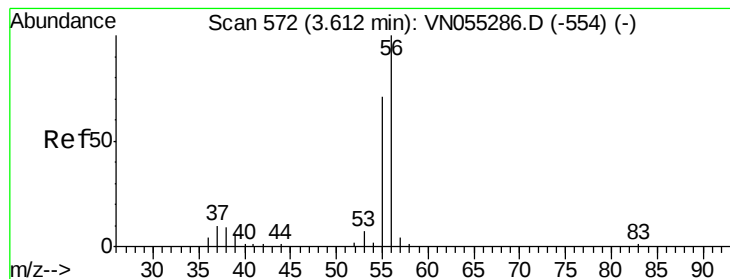
Tot Ion: 59 Resp: 66527
Ion Ratio Lower Upper
59 100
57 11.9 8.2 12.2



#12
1,1-Dichloroethene
Concen: 45.631 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion: 96 Resp: 188257
Ion Ratio Lower Upper
96 100
61 180.5 140.9 211.3
98 64.4 50.0 75.0





#13

Acrolein

Concen: 263.133 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

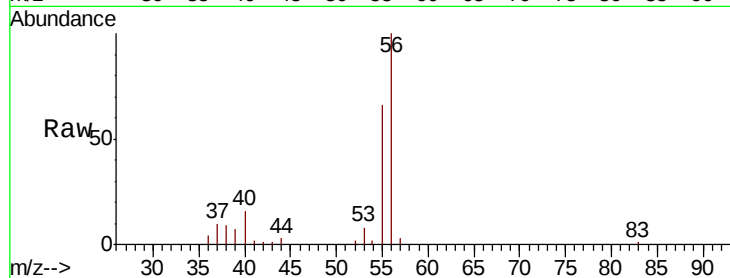
VSTDCCC050

Tot Ion: 56 Resp: 64282

Ion Ratio Lower Upper

56 100

55 70.2 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN055286.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN055286.D (-554) (-)

3.61

25000

20000

15000

10000

5000

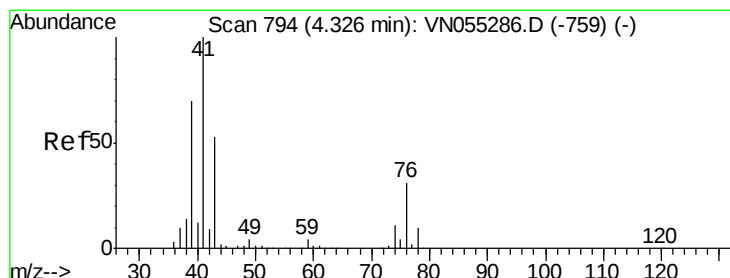
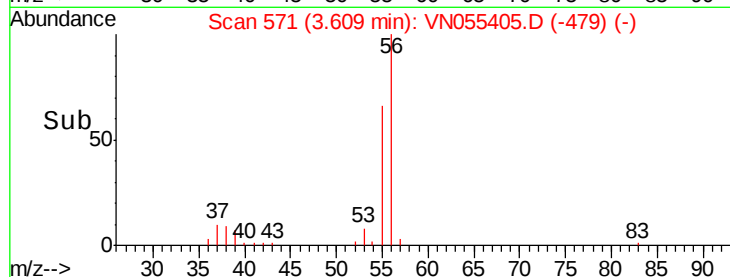
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 47.670 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

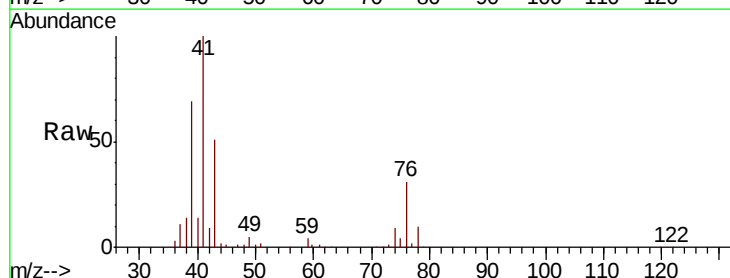
Tgt Ion: 41 Resp: 407320

Ion Ratio Lower Upper

41 100

39 65.5 53.0 79.6

76 28.6 22.7 34.1



Abundance Ion 41.00 (40.70 to 41.70): VN055286.D (-759) (-)

Ion 39.00 (38.70 to 39.70): VN055286.D (-759) (-)

Ion 75.90 (75.60 to 76.60): VN055286.D (-759) (-)

4.33

150000

100000

50000

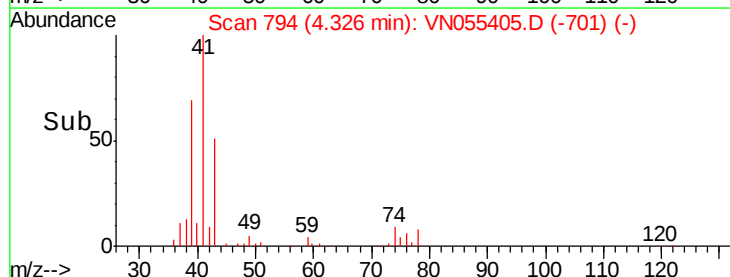
0

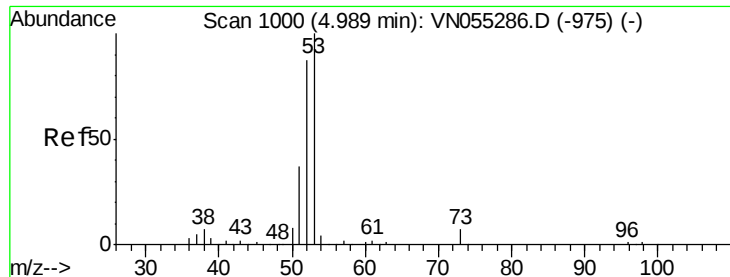
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 225.038 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

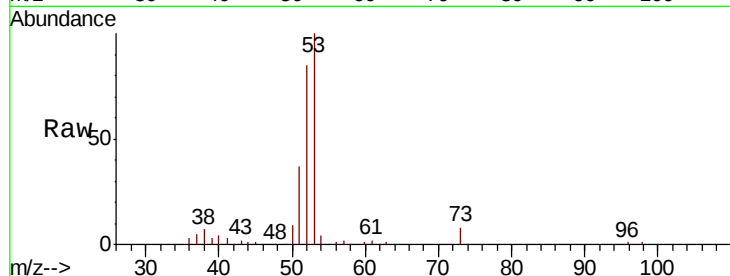
Tot Ion: 53 Resp: 395679

Ion Ratio Lower Upper

53 100

52 83.1 66.5 99.7

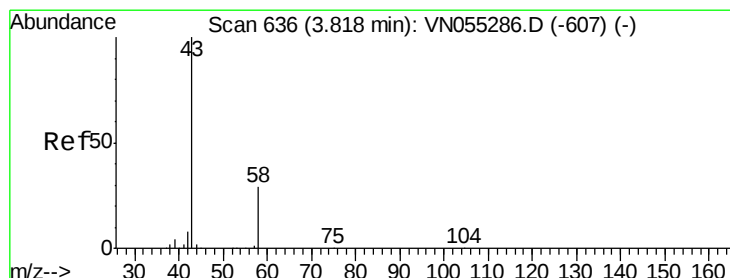
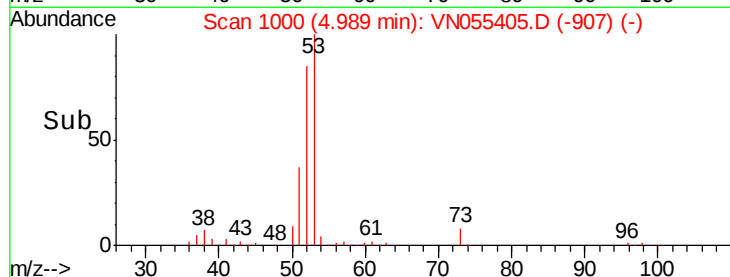
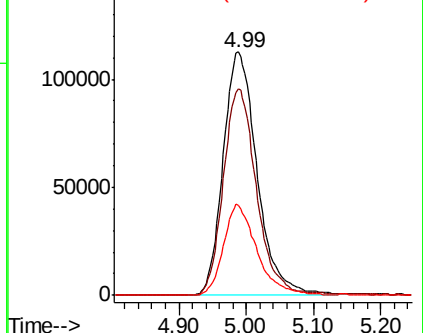
51 36.7 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 244.907 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055405.D

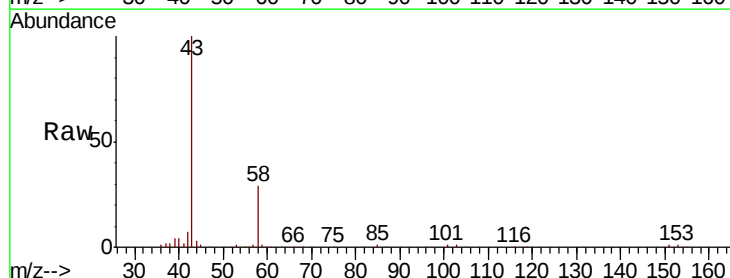
Acq: 6 May 2019 9:23

Tgt Ion: 43 Resp: 416933

Ion Ratio Lower Upper

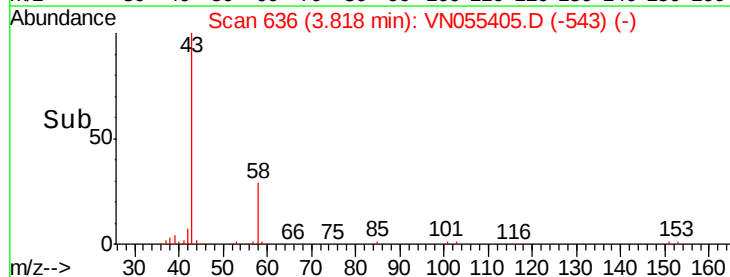
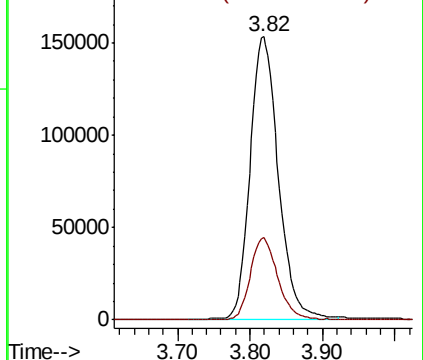
43 100

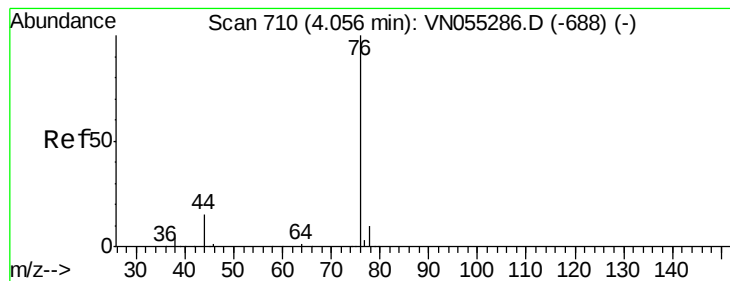
58 29.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 43.113 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

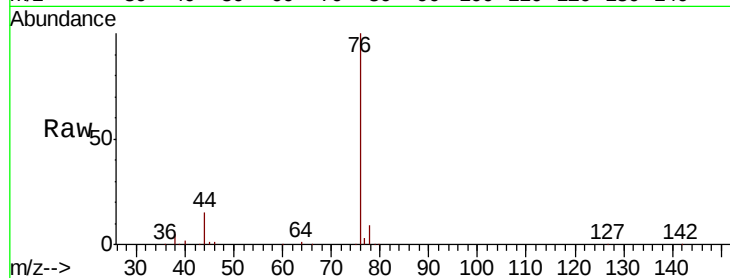
VSTDCCC050

Tot Ion: 76 Resp: 464181

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200000

150000

100000

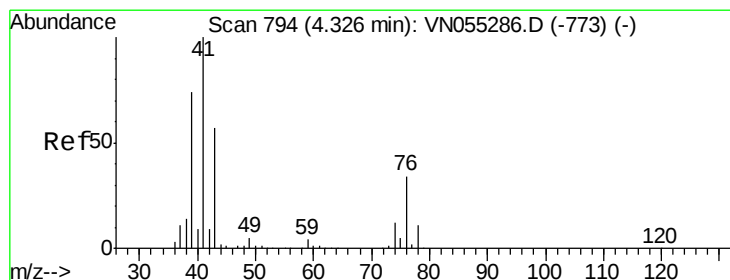
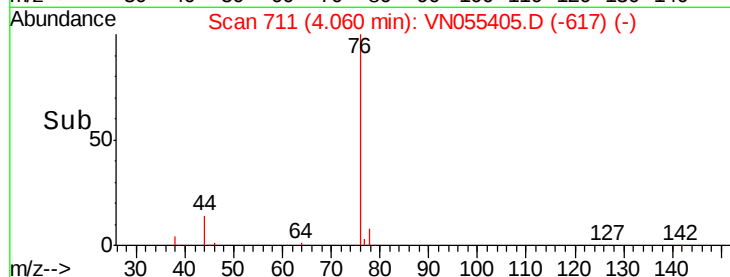
50000

0

4.06

4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 47.784 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055405.D

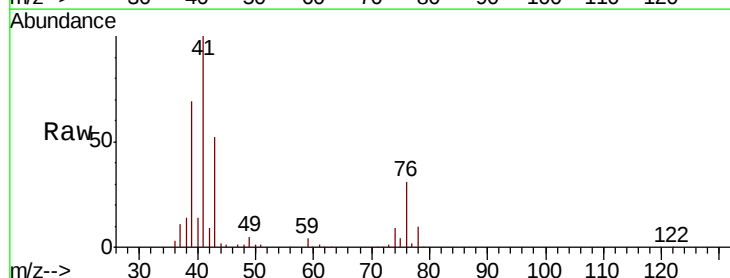
Acq: 6 May 2019 9:23

Tgt Ion: 43 Resp: 198358

Ion Ratio Lower Upper

43 100

74 18.5 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

80000

60000

40000

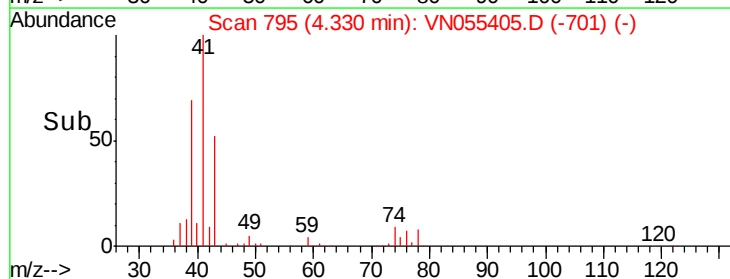
20000

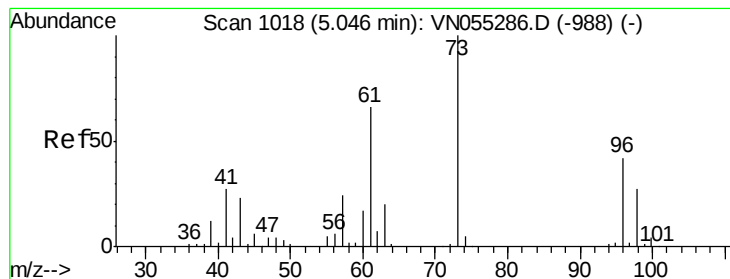
0

4.33

4.20 4.30 4.40

Time-->



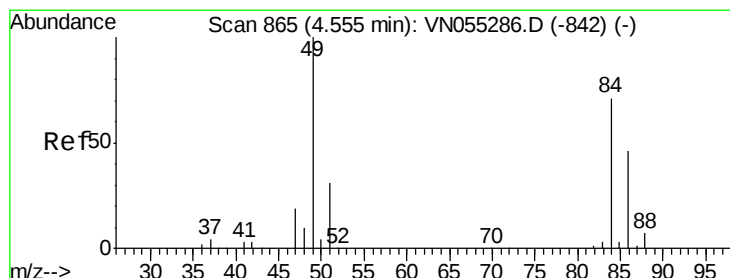
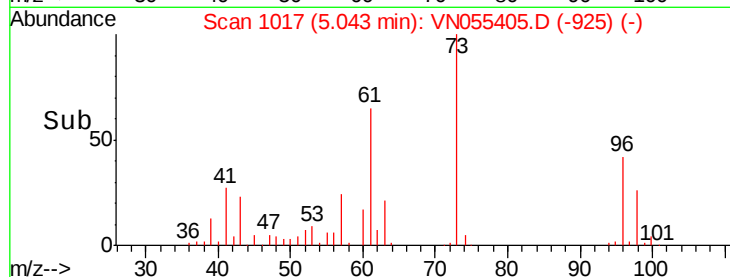
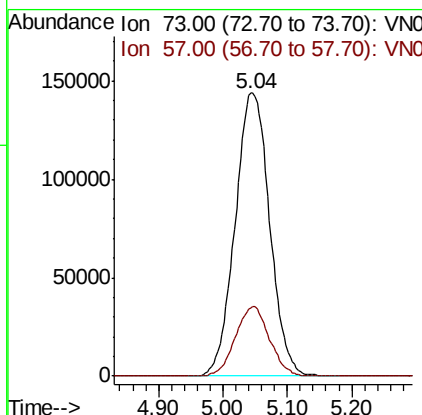
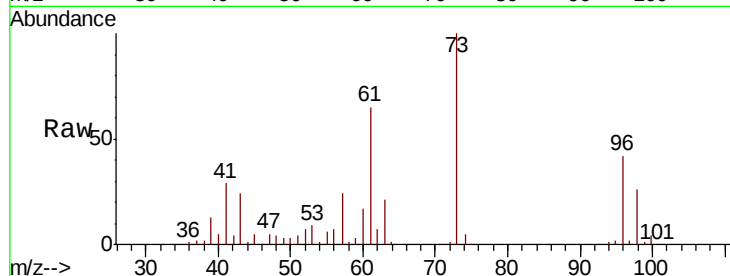


#19

Methyl tert-butyl Ether
 Concen: 46.344 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

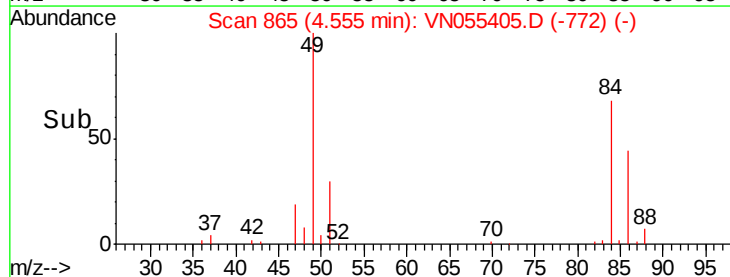
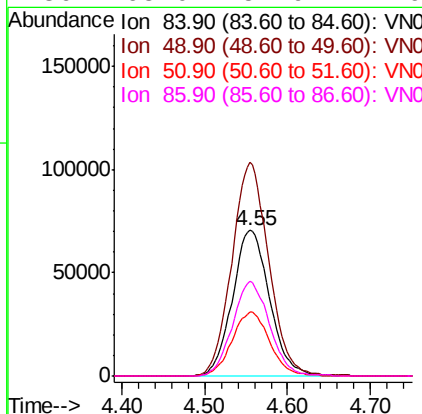
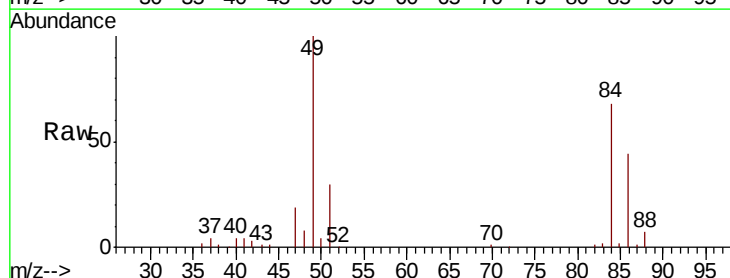
Tot Ion: 73 Resp: 537497
 Ion Ratio Lower Upper
 73 100
 57 24.3 19.1 28.7

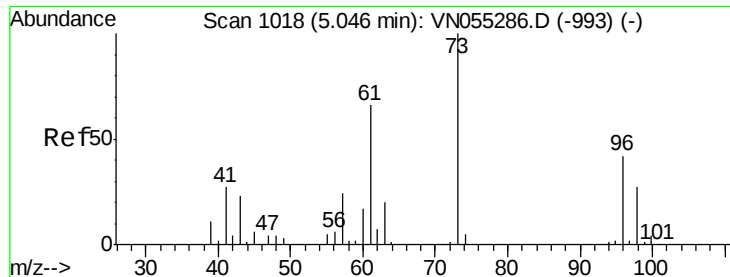


#20

Methylene Chloride
 Concen: 42.344 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion: 84 Resp: 220033
 Ion Ratio Lower Upper
 84 100
 49 146.4 112.4 168.6
 51 44.0 34.6 51.8
 86 65.0 51.9 77.9

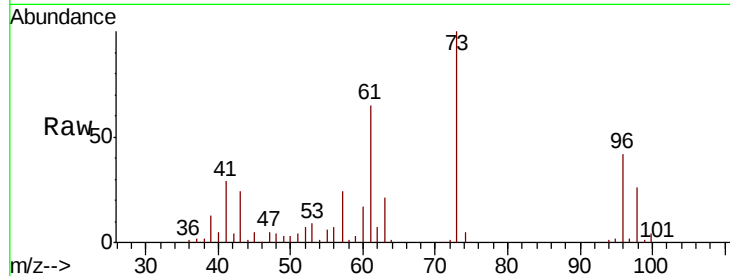




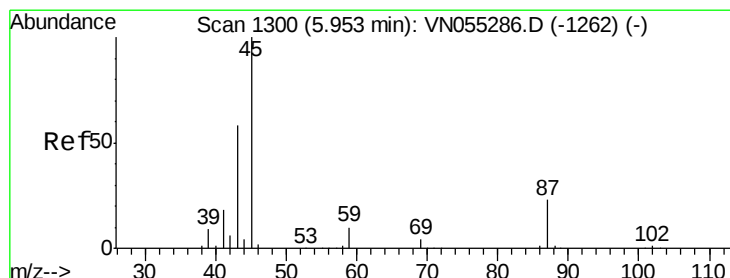
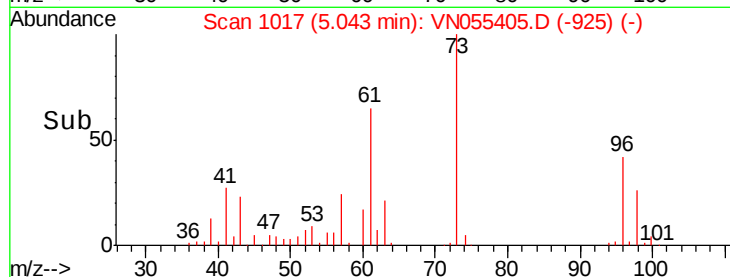
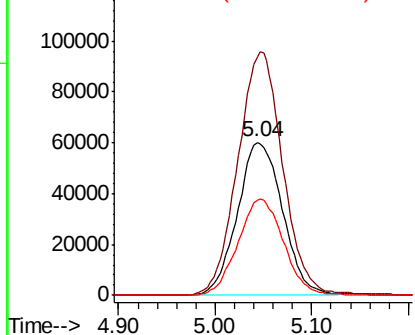
#21
trans-1,2-Dichloroethene
Concen: 44.723 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 195408
Ion Ratio Lower Upper
96 100
61 155.9 126.2 189.4
98 62.6 52.2 78.2

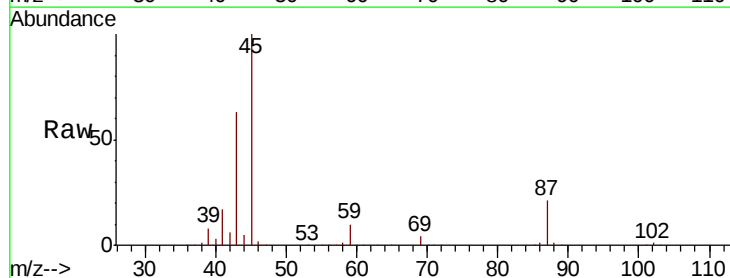


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

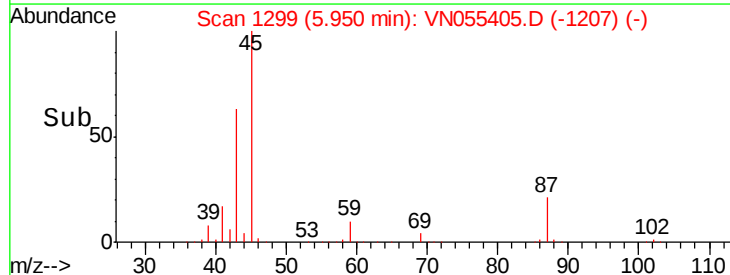
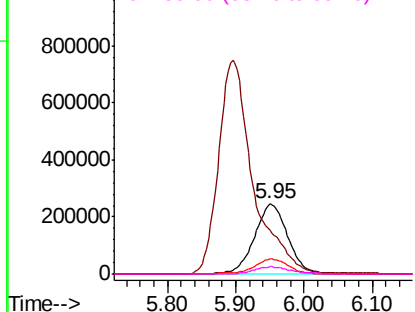


#22
Diisopropyl ether
Concen: 49.035 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion: 45 Resp: 832481
Ion Ratio Lower Upper
45 100
43 62.4 46.6 70.0
87 21.0 18.1 27.1
59 10.0 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 236.565 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

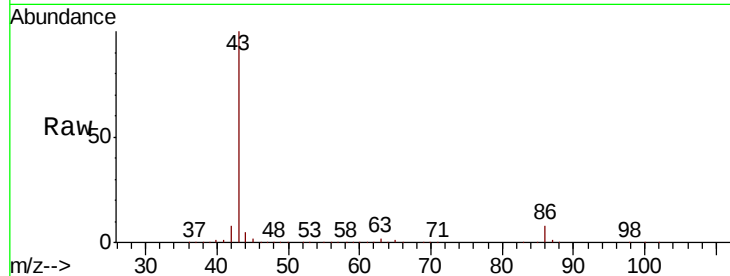
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2632206

Ion Ratio Lower Upper

43 100

86 8.0 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN055286.D (-1256) (-)

5.90

800000

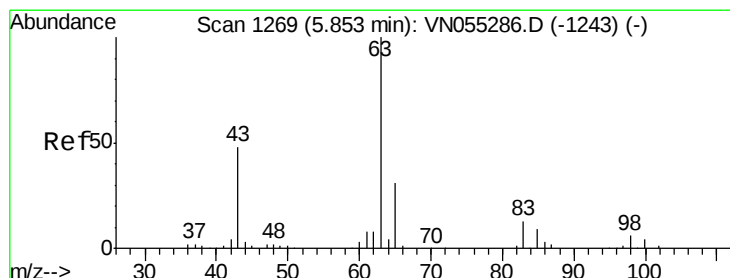
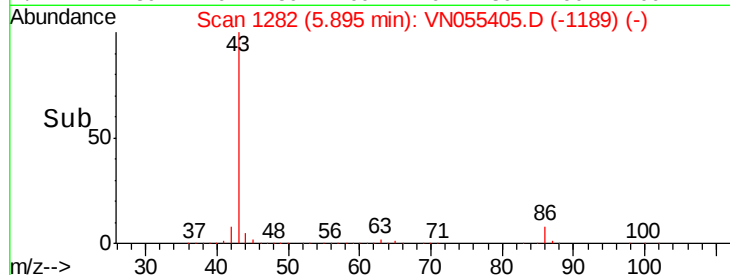
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.195 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

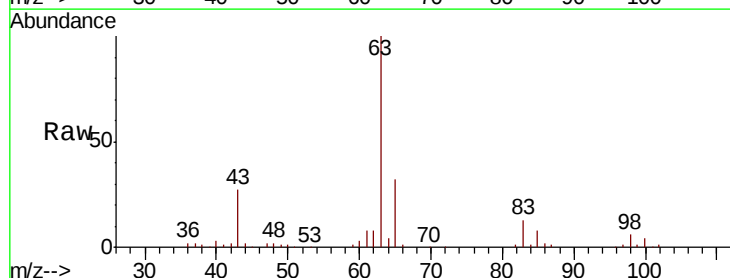
Tgt Ion: 63 Resp: 426904

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.0

100 3.6 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VN055286.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN055286.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN055286.D (-1243) (-)

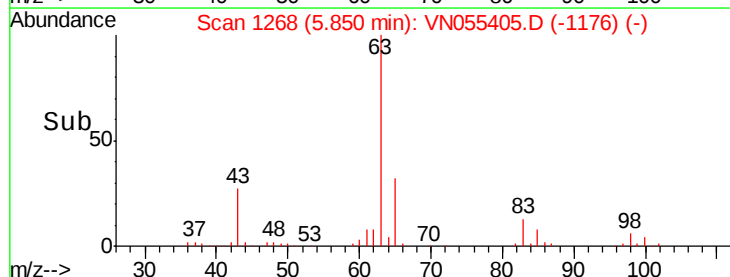
150000

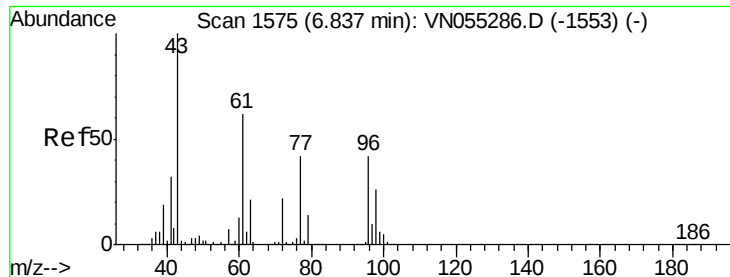
100000

50000

0

Time-->





#25

2-Butanone

Concen: 233.201 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

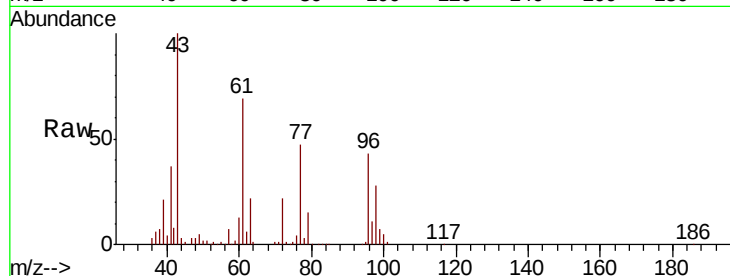
VSTDCCC050

Tot Ion: 43 Resp: 507717

Ion Ratio Lower Upper

43 100

72 21.8 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

200000

150000

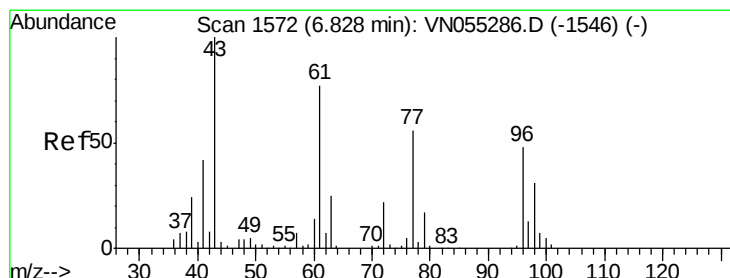
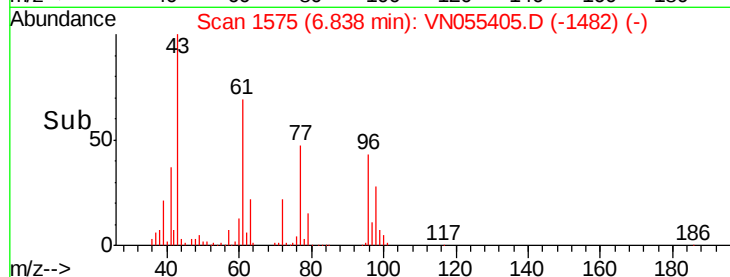
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 49.629 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055405.D

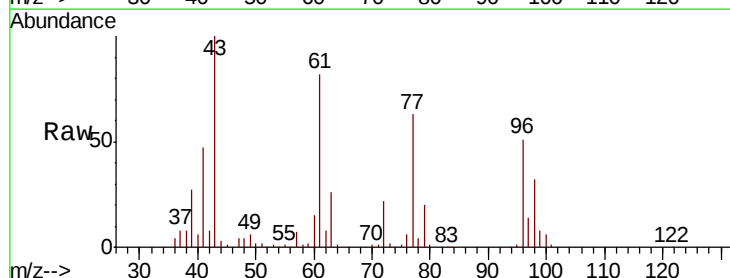
Acq: 6 May 2019 9:23

Tgt Ion: 77 Resp: 309998

Ion Ratio Lower Upper

77 100

97 22.0 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

100000

80000

60000

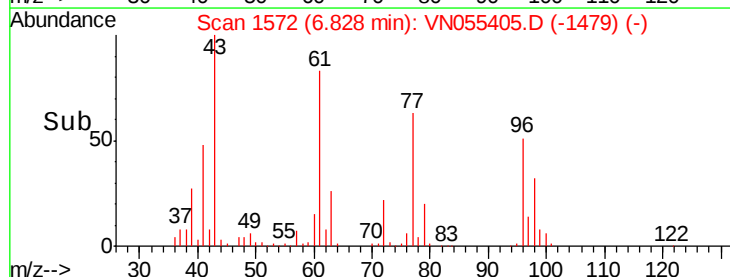
40000

20000

0

6.70 6.80 6.90

Time-->

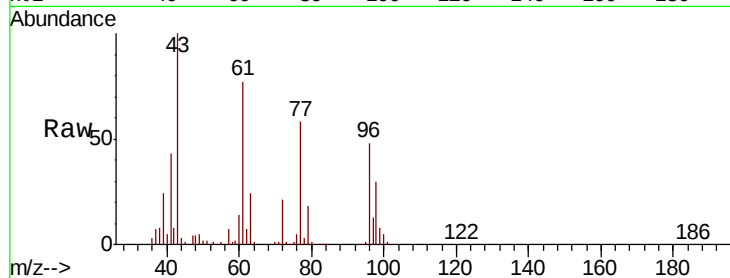




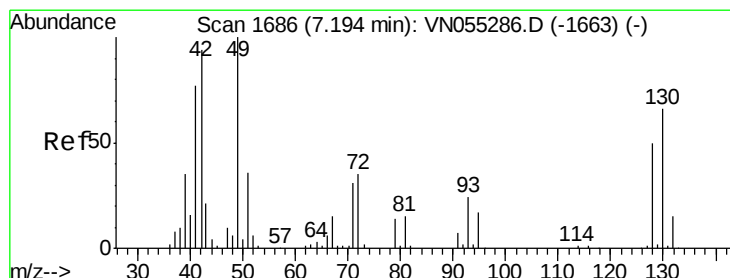
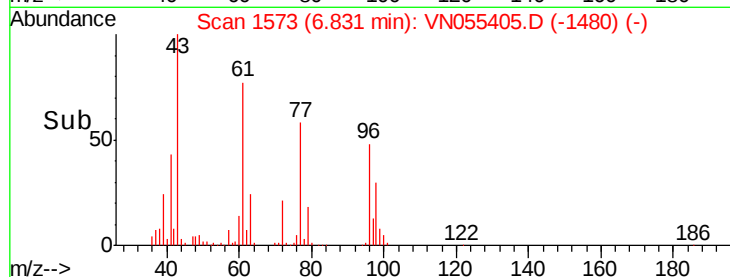
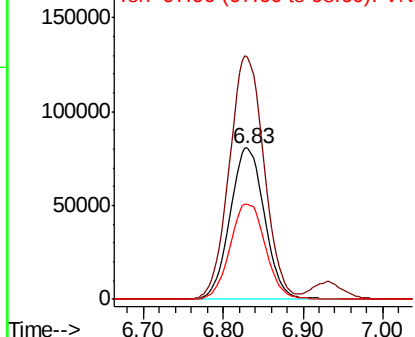
#27
 cis-1,2-Dichloroethene
 Concen: 47.488 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 235954
 Ion Ratio Lower Upper
 96 100
 61 162.0 0.0 316.2
 98 64.4 0.0 126.6

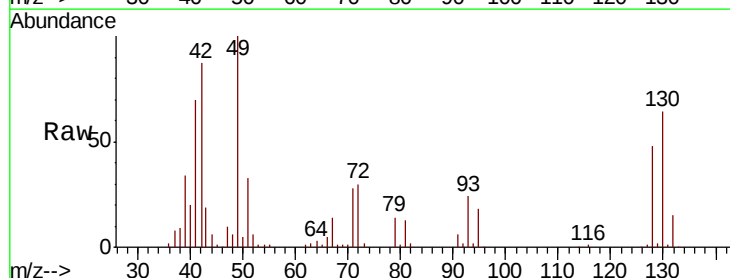


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

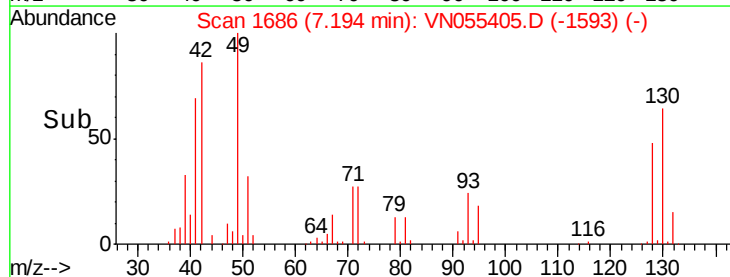
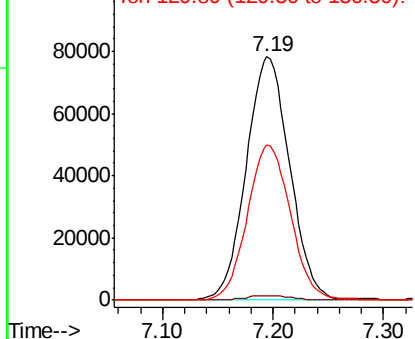


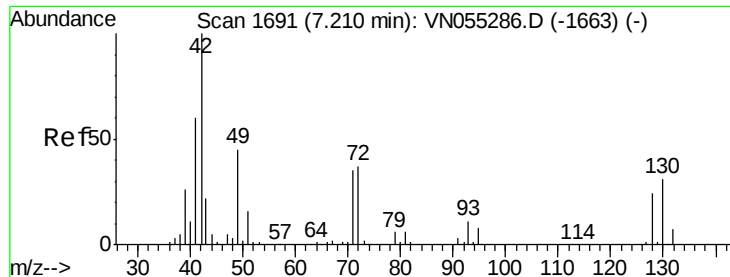
#28
 Bromochloromethane
 Concen: 46.811 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion: 49 Resp: 213437
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 2.4
 130 63.5 52.0 78.0



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

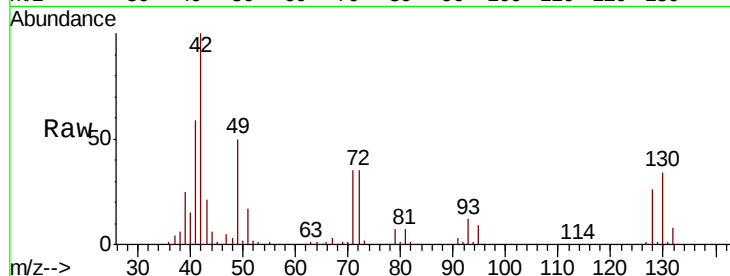




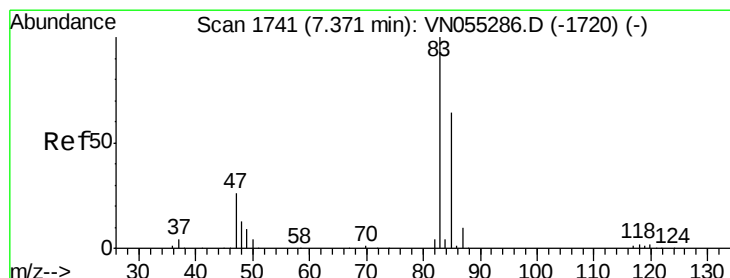
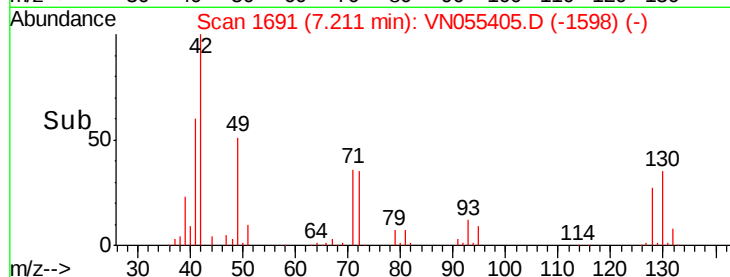
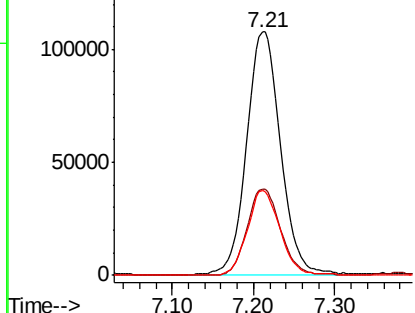
#29
Tetrahydrofuran
Concen: 220.938 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.8	29.0	43.6
71	33.7	27.1	40.7

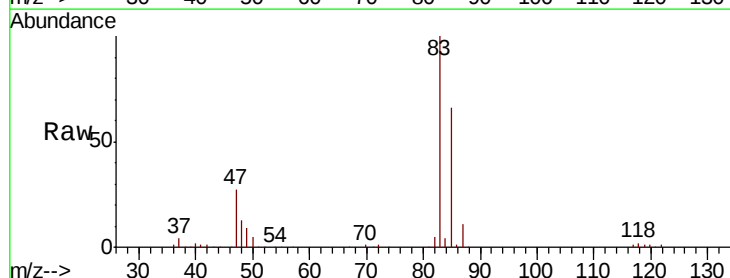


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

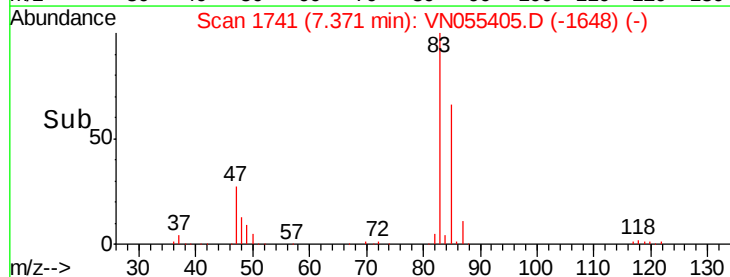
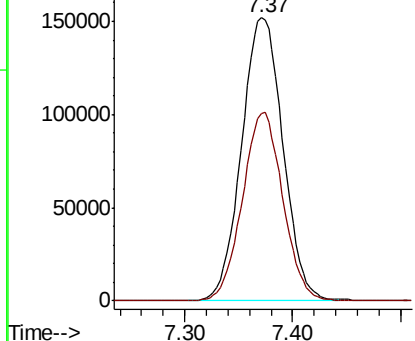


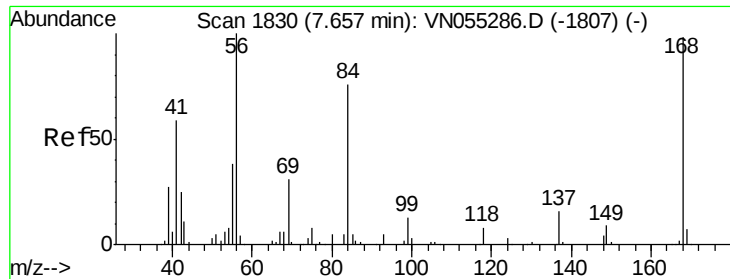
#30
Chloroform
Concen: 47.268 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.4	77.2



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

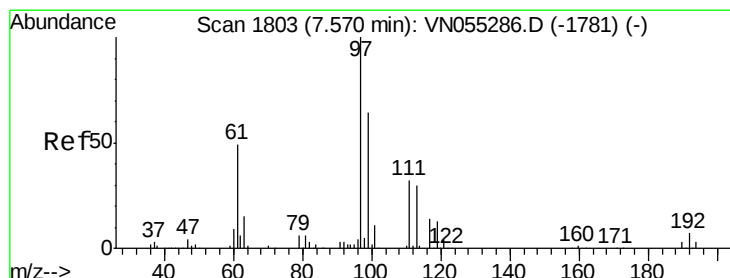
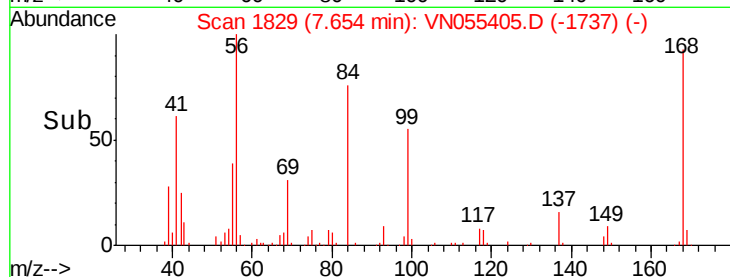
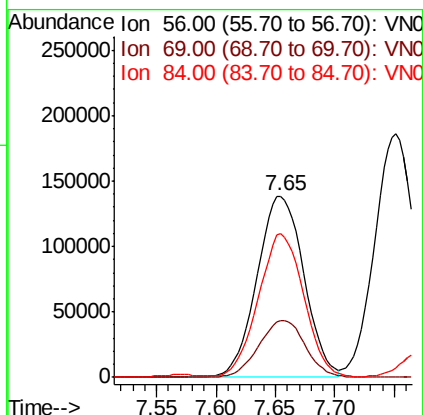
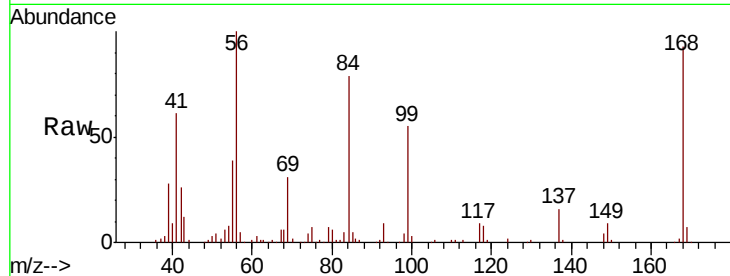




#31
Cyclohexane
Concen: 43.945 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

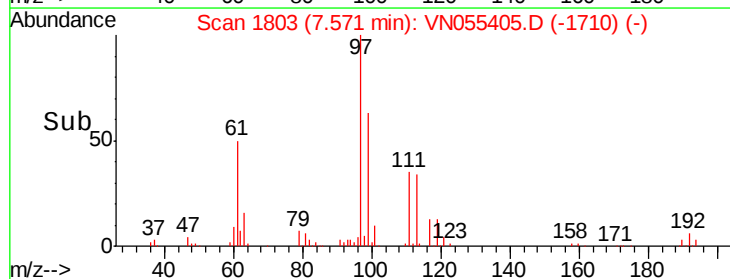
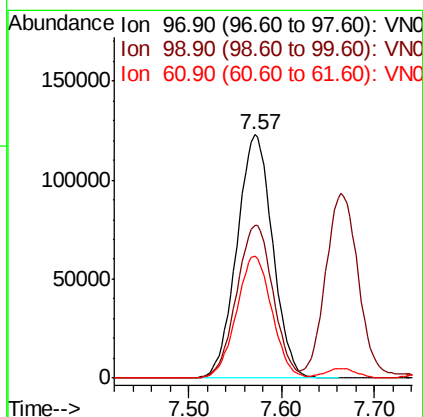
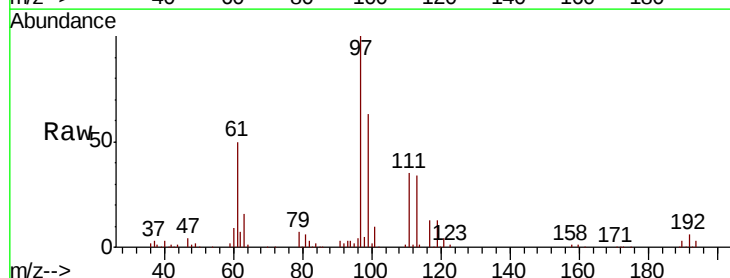
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

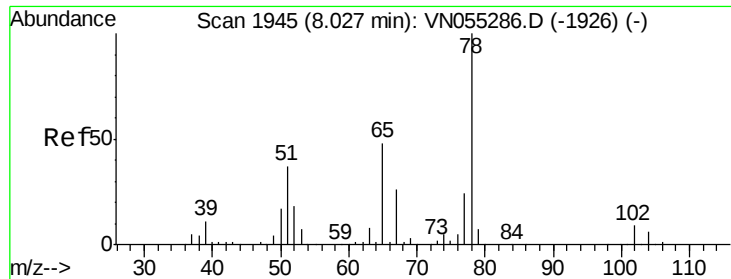
Tot Ion: 56 Resp: 377669
Ion Ratio Lower Upper
56 100
69 31.3 25.2 37.8
84 78.0 61.1 91.7



#32
1,1,1-Trichloroethane
Concen: 47.298 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion: 97 Resp: 329163
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.8
61 49.6 39.0 58.6

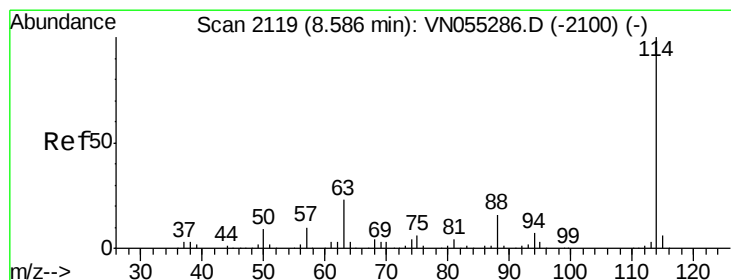
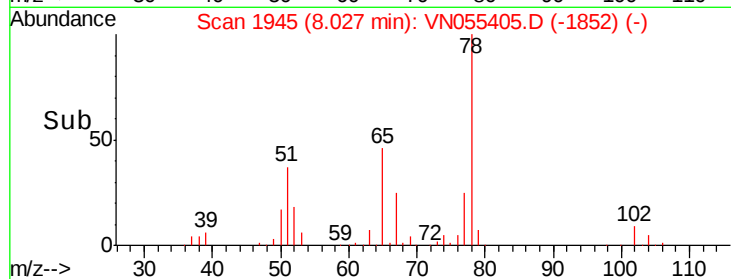
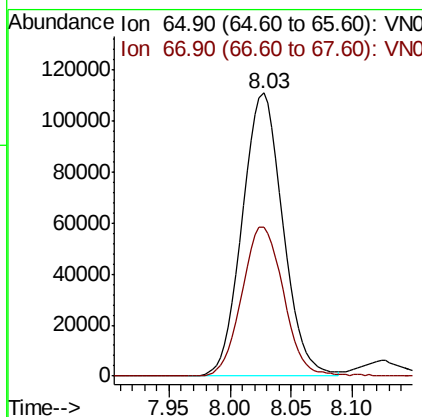
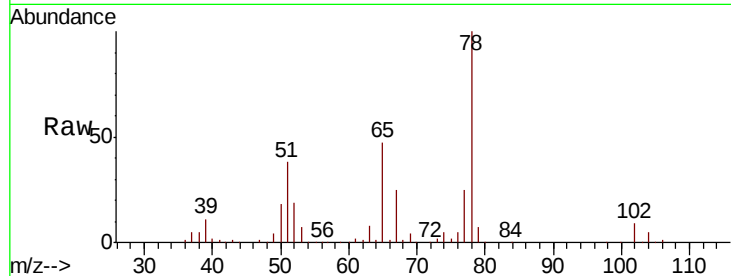




#33
 1,2-Dichloroethane-d4
 Concen: 46.857 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

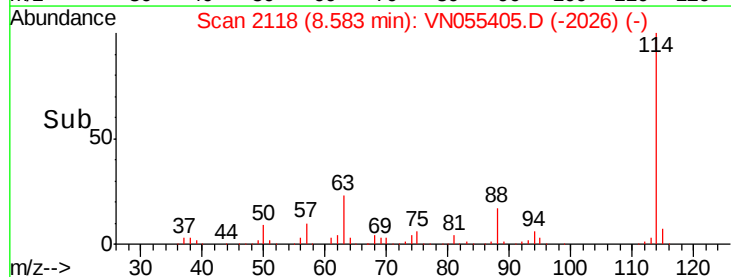
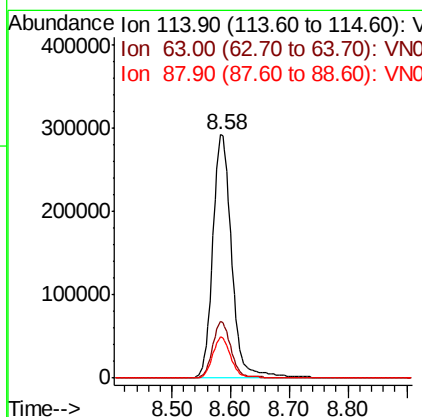
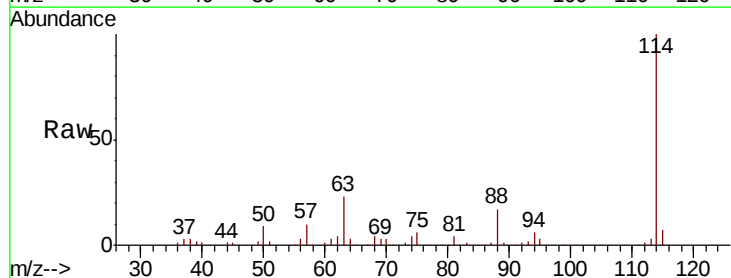
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

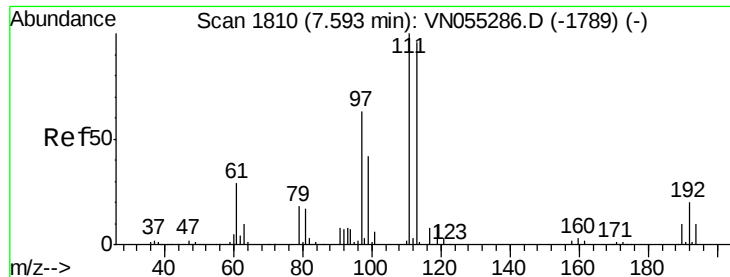
Tot Ion: 65 Resp: 256012
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion: 114 Resp: 656929
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.2
 88 17.0 0.0 31.6

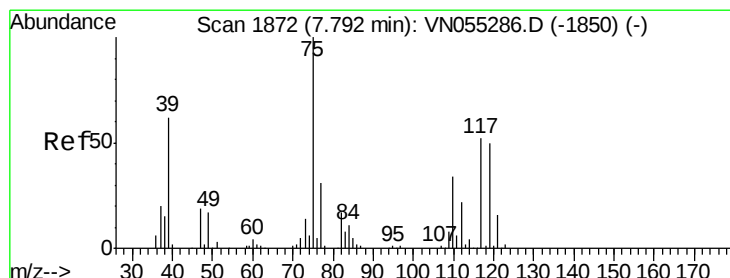
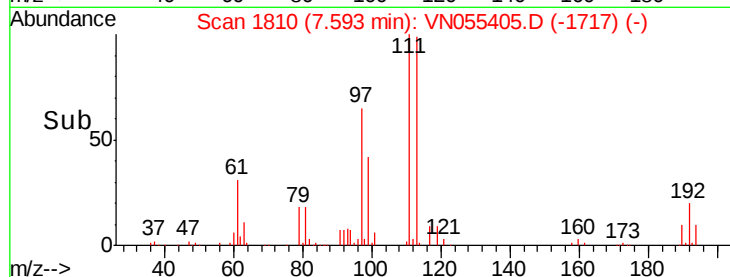
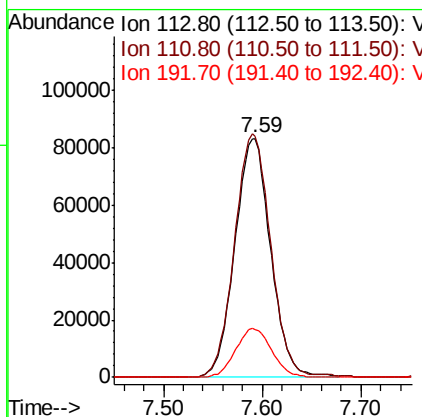
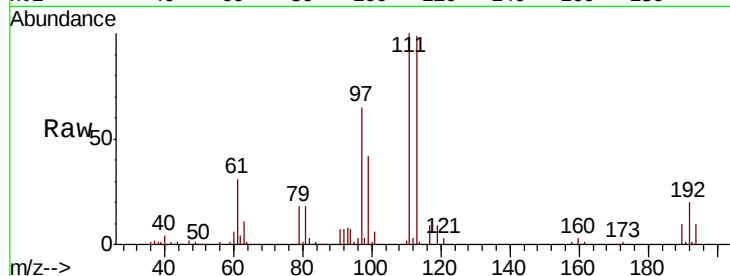




#35
 Dibromofluoromethane
 Concen: 48.628 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

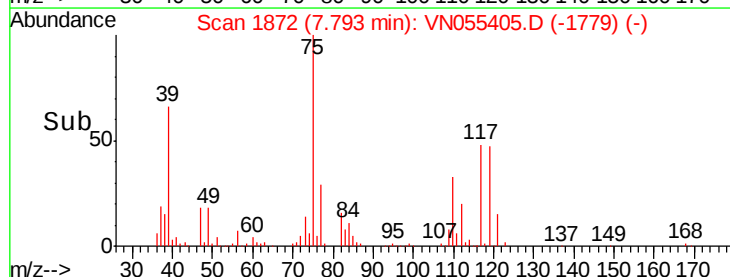
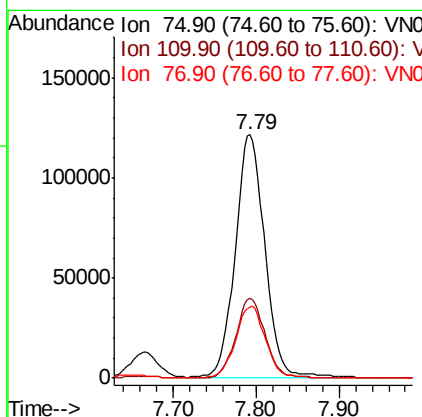
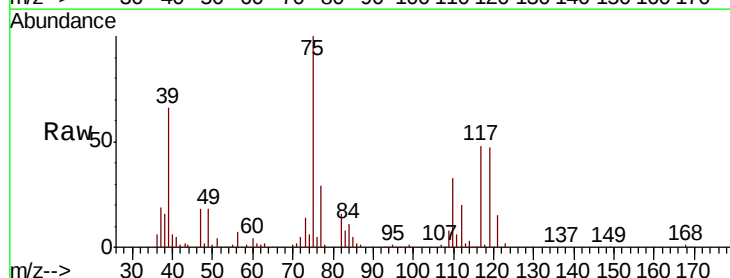
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

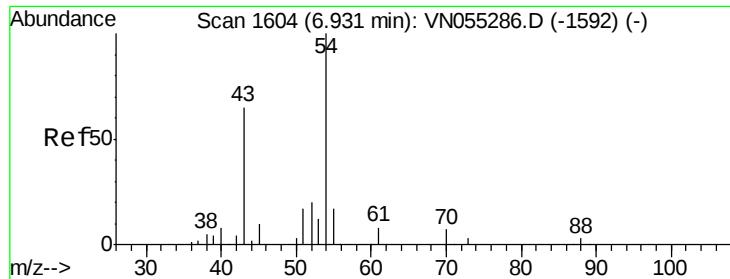
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.3	123.5
192	20.5	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 47.639 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.8	50.4
77	30.4	25.0	37.6

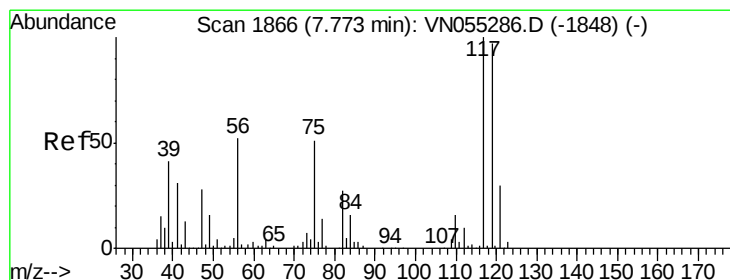
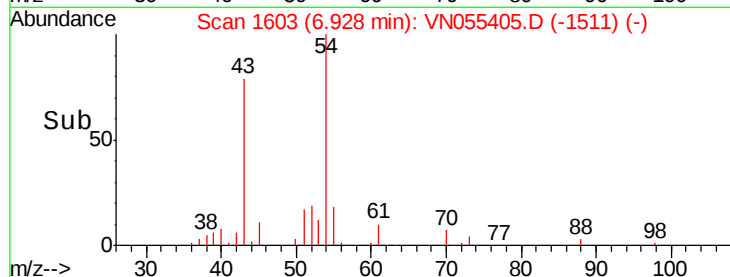
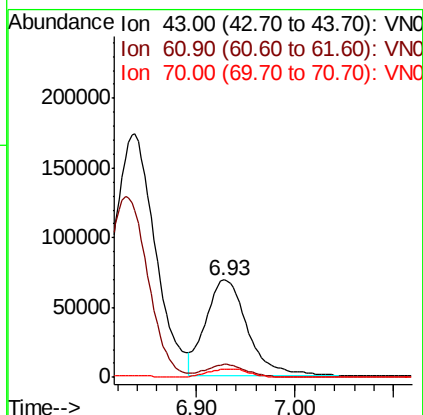
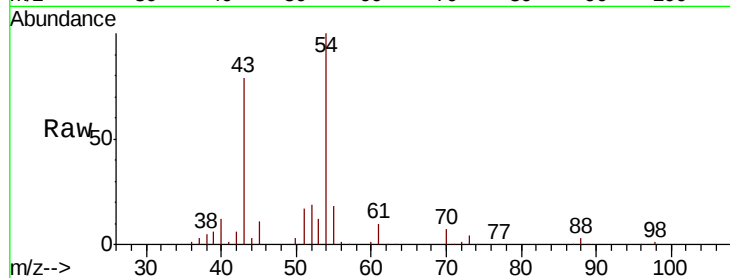




#37
Ethyl Acetate
Concen: 42.247 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

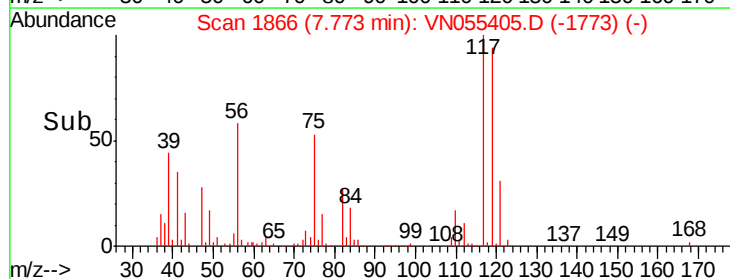
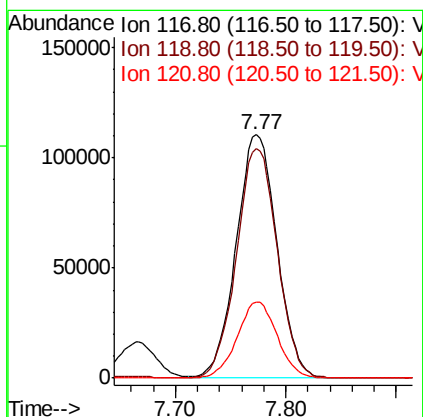
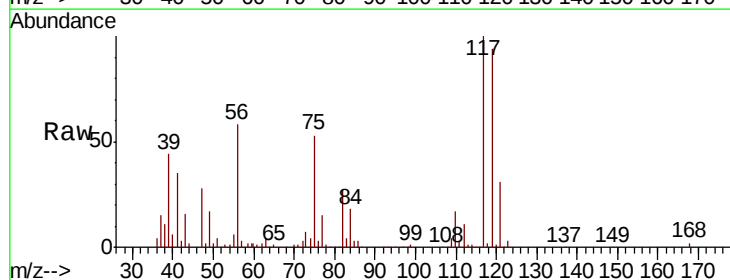
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

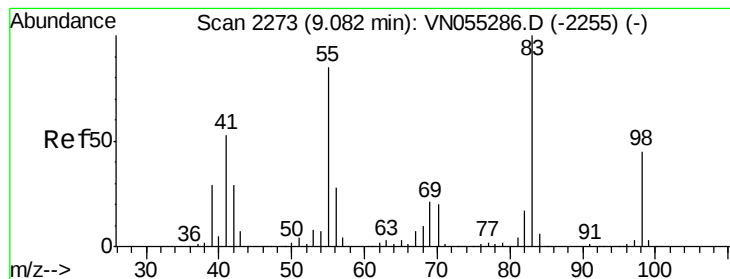
Tot Ion: 43 Resp: 203737
Ion Ratio Lower Upper
43 100
61 12.0 10.4 15.6
70 8.8 6.6 10.0



#38
Carbon Tetrachloride
Concen: 46.436 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion: 117 Resp: 281862
Ion Ratio Lower Upper
117 100
119 94.0 77.0 115.6
121 31.4 23.8 35.8





#39

Methvlcvclohexane

Concen: 47.929 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

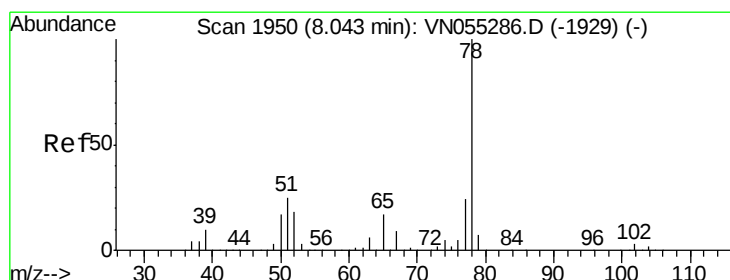
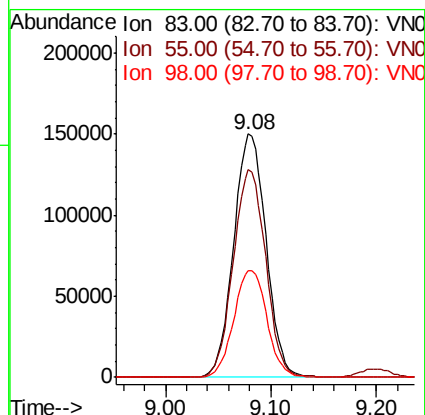
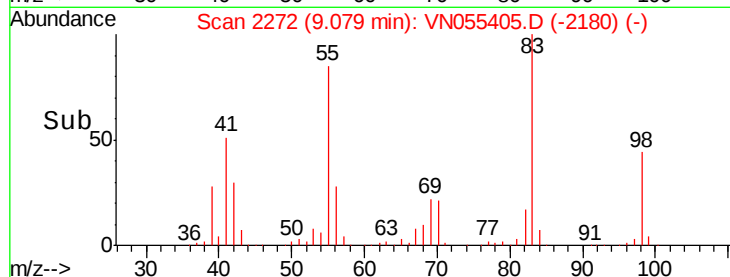
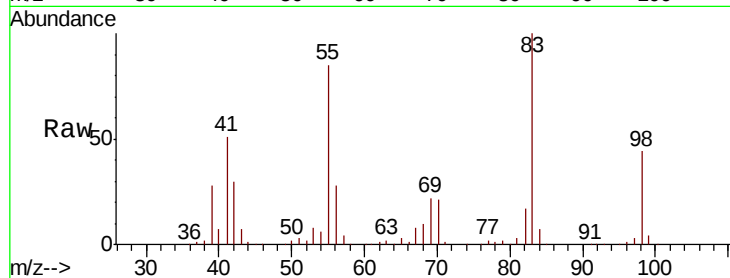
Tot Ion: 83 Resp: 320654

Ion Ratio Lower Upper

83 100

55 85.1 67.8 101.6

98 43.7 36.2 54.4



#40

Benzene

Concen: 47.446 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN055405.D

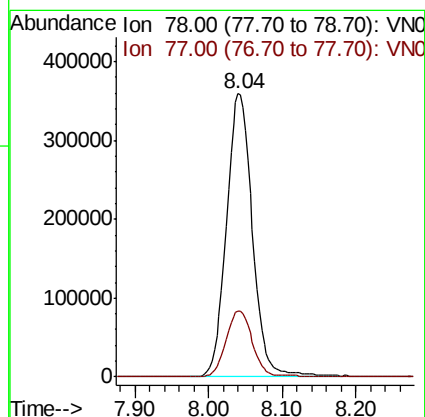
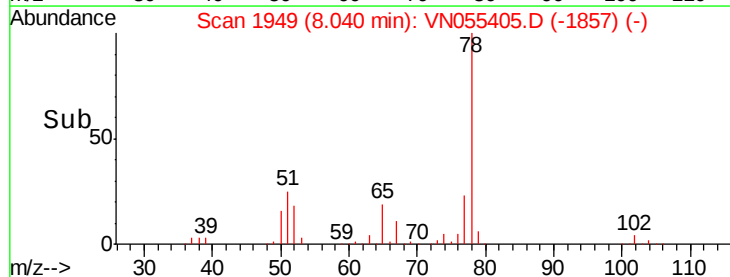
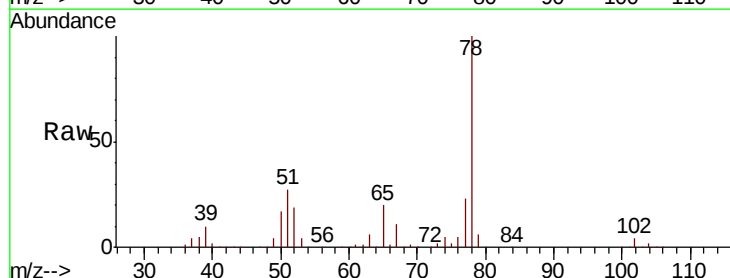
Acq: 6 May 2019 9:23

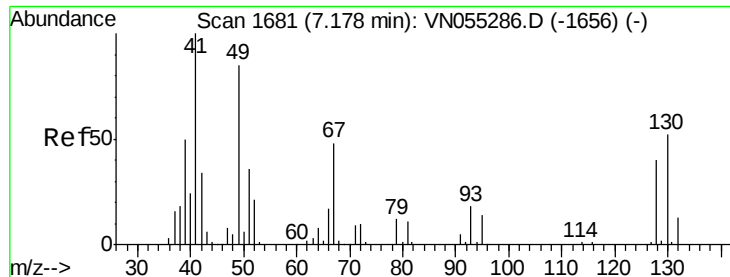
Tgt Ion: 78 Resp: 880102

Ion Ratio Lower Upper

78 100

77 23.2 19.0 28.6

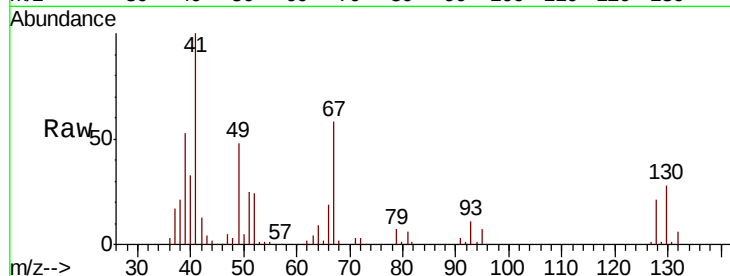




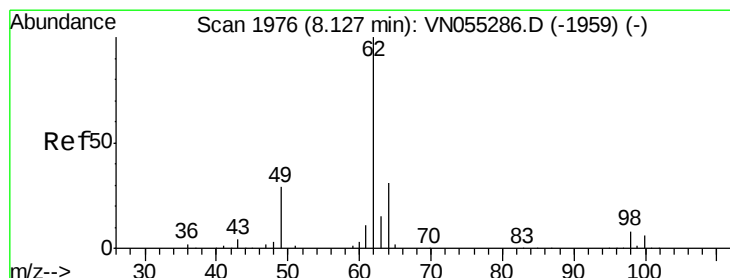
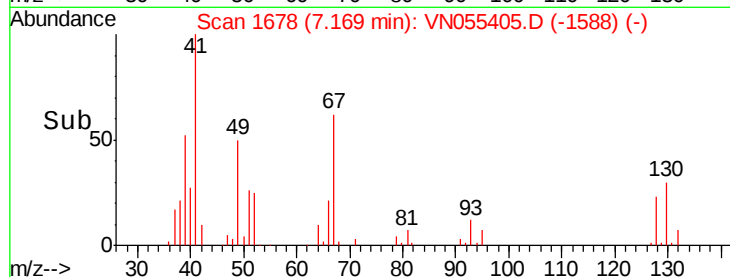
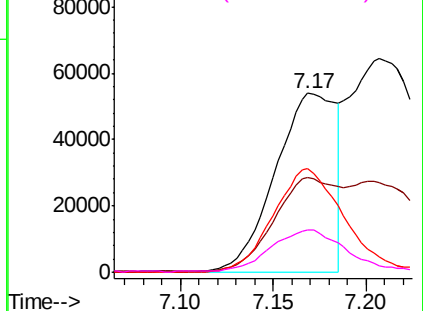
#41
Methacrylonitrile
Concen: 47.215 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	123125
Ion	Ratio	Lower	Upper
41	100		
39	56.6	48.5	72.7
67	67.8	54.9	82.3
52	30.4	24.9	37.3

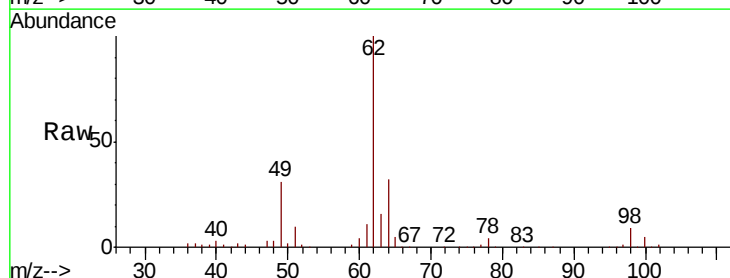


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

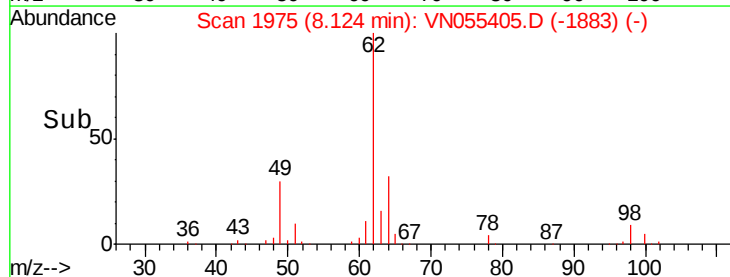
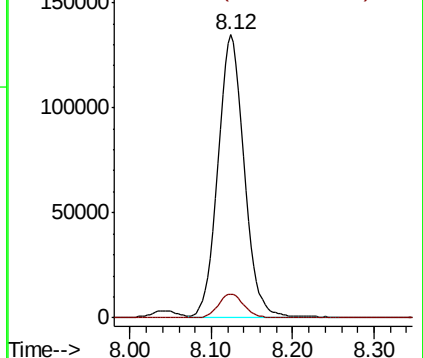


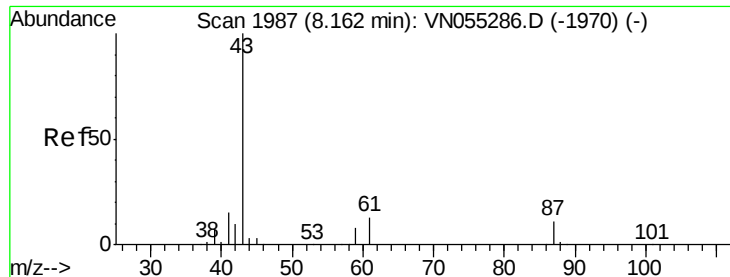
#42
1,2-Dichloroethane
Concen: 46.797 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion:	62	Resp:	307448
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4



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





#43

Isopropyl Acetate

Concen: 46.912 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

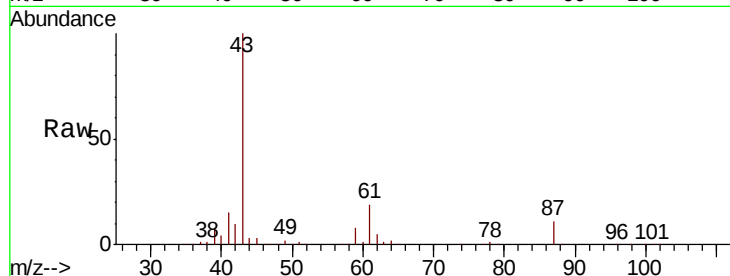
Tot Ion: 43 Resp: 363572

Ion Ratio Lower Upper

43 100

61 17.6 20.8 31.2#

87 10.5 8.5 12.7



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

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

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

8.16

200000

150000

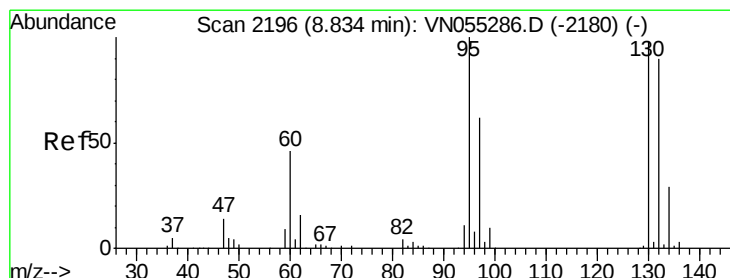
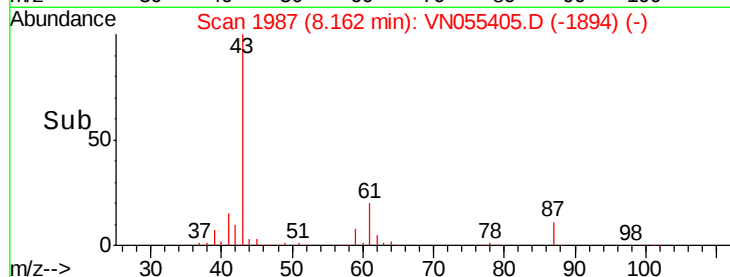
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 48.010 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055405.D

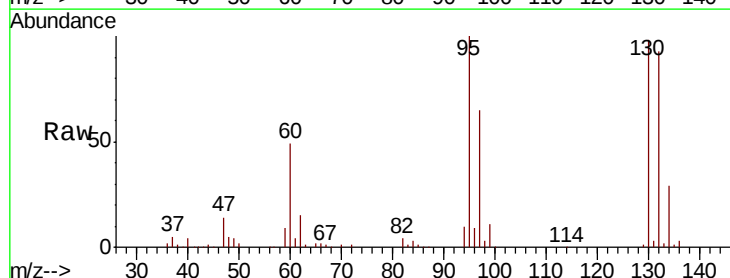
Acq: 6 May 2019 9:23

Tgt Ion:130 Resp: 227031

Ion Ratio Lower Upper

130 100

95 101.7 0.0 203.4



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

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

8.83

120000

100000

80000

60000

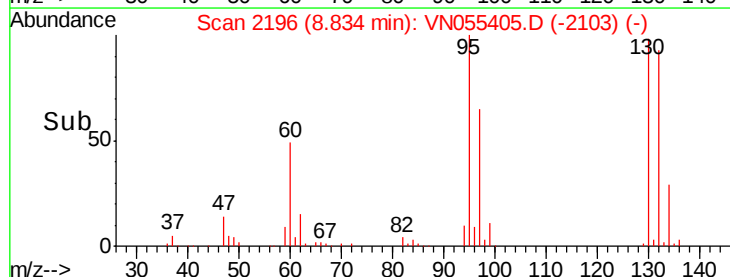
40000

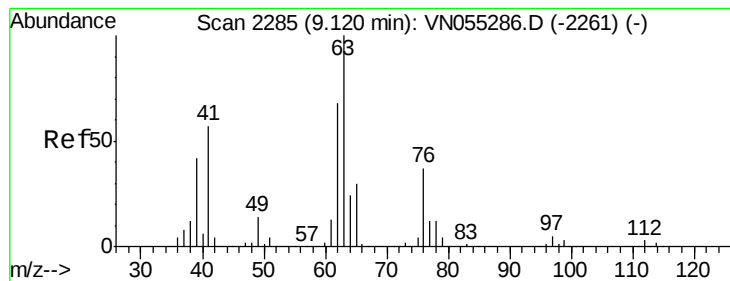
20000

0

8.70 8.80 8.90 9.00

Time-->





#45

1,2-Dichloropropane

Concen: 47.602 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

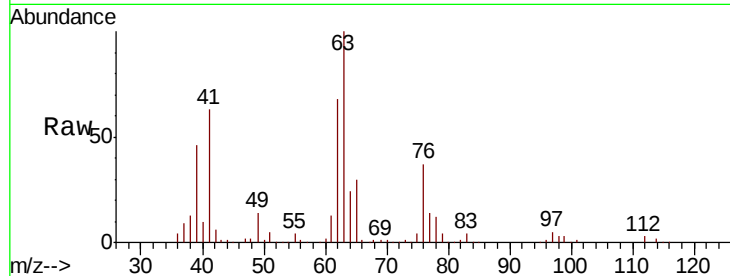
VSTDCCC050

Tot Ion: 63 Resp: 254668

Ion Ratio Lower Upper

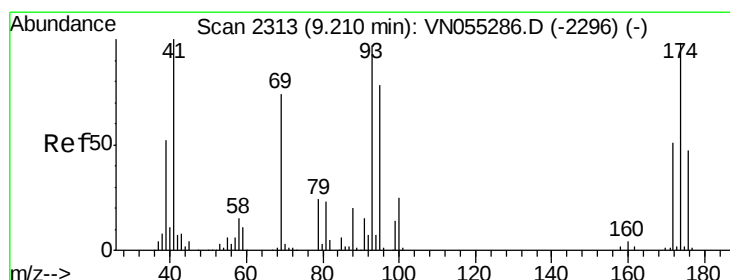
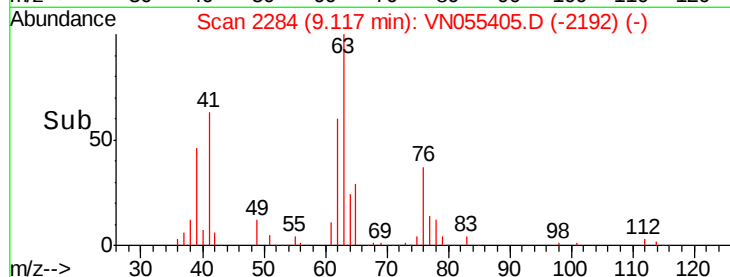
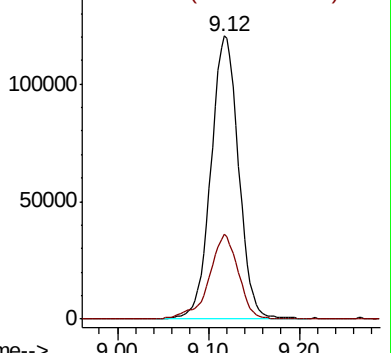
63 100

65 29.8 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 45.831 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

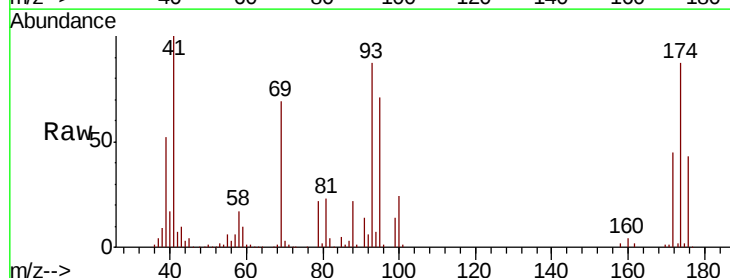
Tgt Ion: 93 Resp: 134026

Ion Ratio Lower Upper

93 100

95 82.7 65.7 98.5

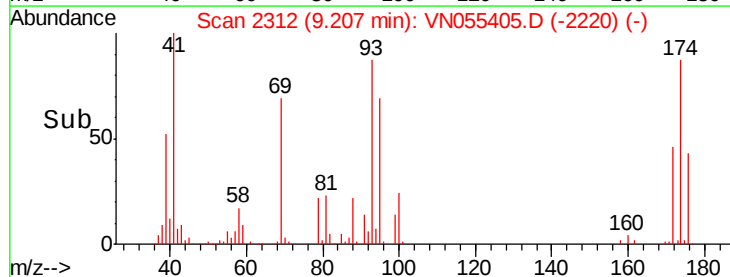
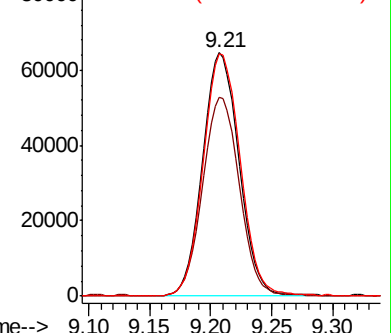
174 101.1 81.5 122.3



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.826 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

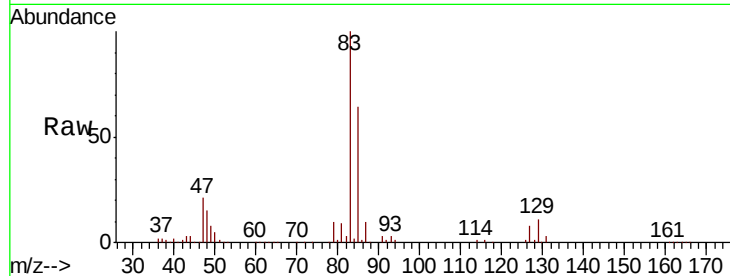
Tot Ion: 83 Resp: 312588

Ion Ratio Lower Upper

83 100

85 63.6 50.1 75.1

127 8.3 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0

200000

150000

100000

50000

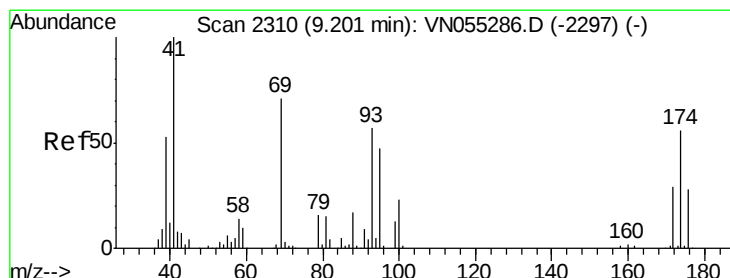
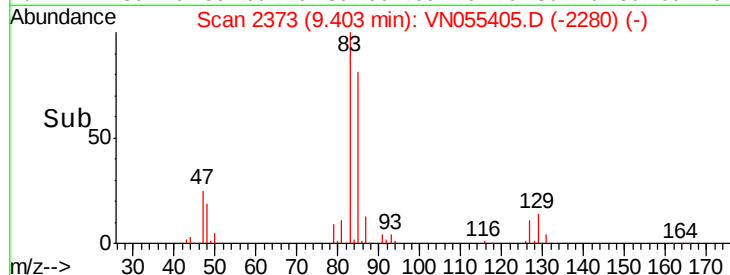
0

9.30

9.40

9.50

Time-->



#48

Methyl methacrylate

Concen: 44.581 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

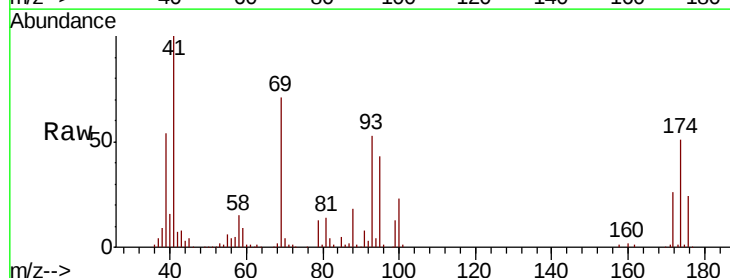
Tgt Ion: 41 Resp: 169852

Ion Ratio Lower Upper

41 100

69 75.1 58.6 87.8

39 54.8 43.8 65.6



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

120000

100000

80000

60000

40000

20000

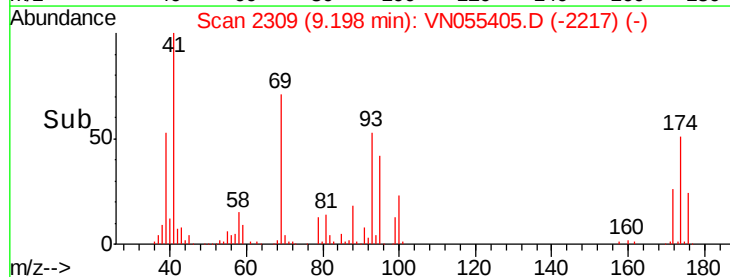
0

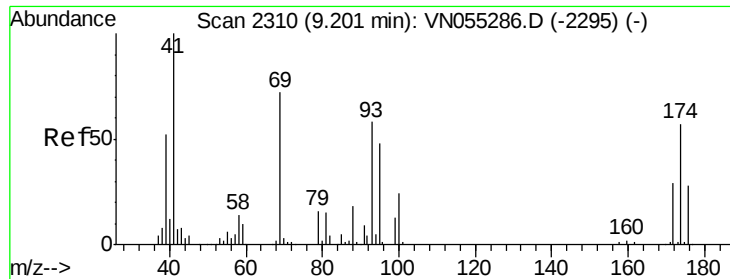
9.15

9.20

9.25

Time-->





#49

1,4-Dioxane

Concen: 908.947 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

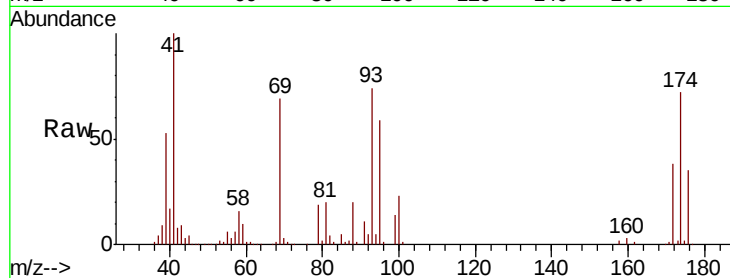
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 35799

Ion	Ratio	Lower	Upper
88	100		
43	41.1	33.3	49.9
58	81.3	62.7	94.1

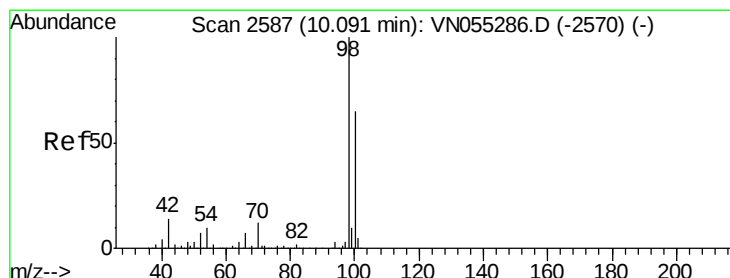
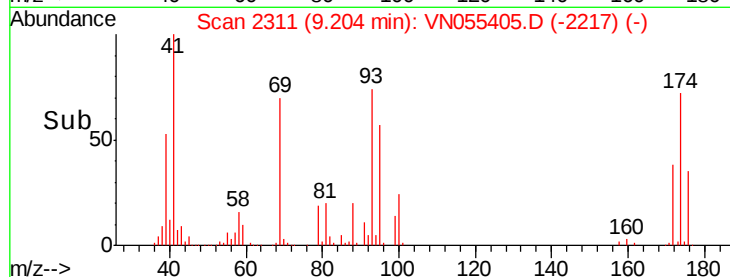
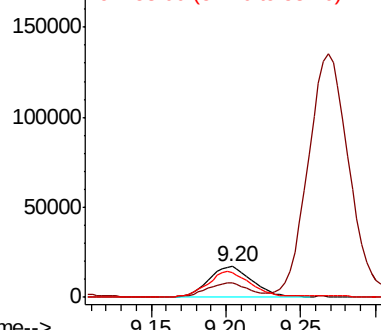


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.580 ug/l

RT: 10.09 min Scan# 2587

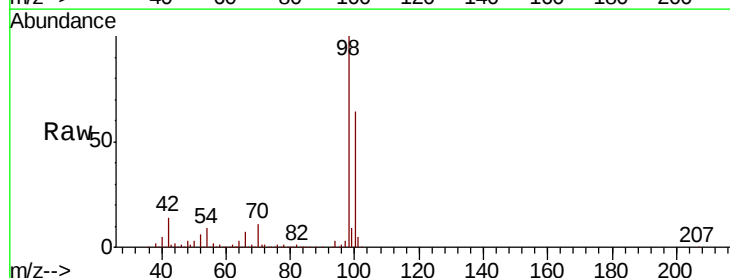
Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Tgt Ion: 98 Resp: 771946

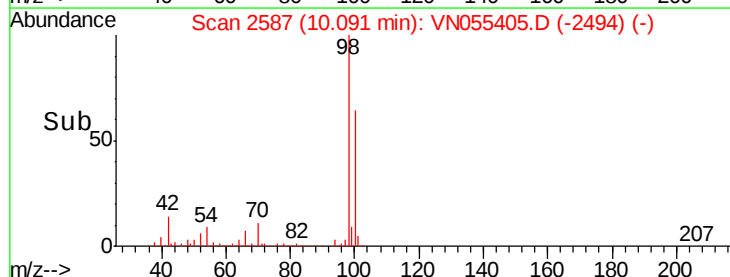
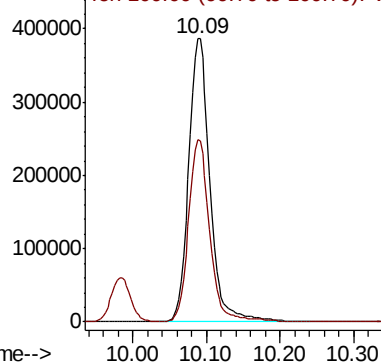
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5



Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 230.820 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

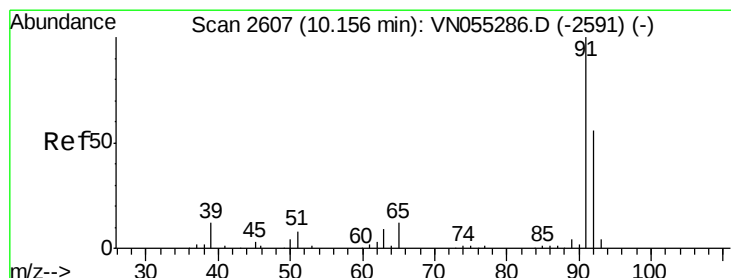
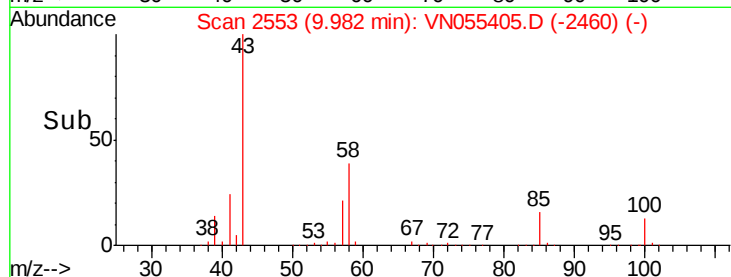
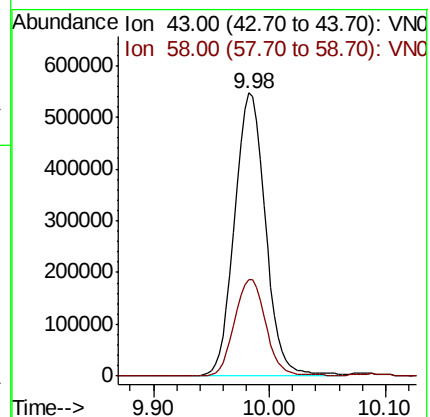
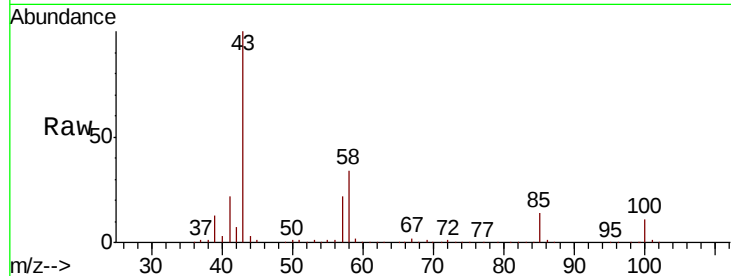
VSTDCCC050

Tot Ion: 43 Resp: 1007171

Ion Ratio Lower Upper

43 100

58 34.8 28.5 42.7



#52

Toluene

Concen: 48.513 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055405.D

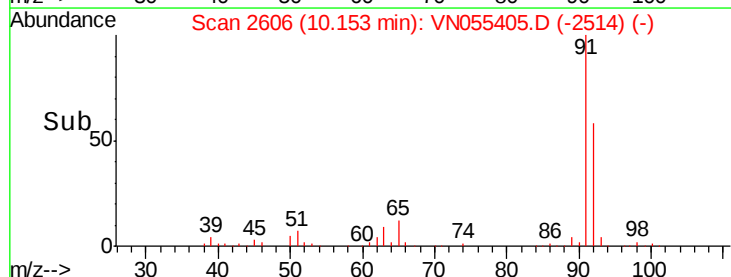
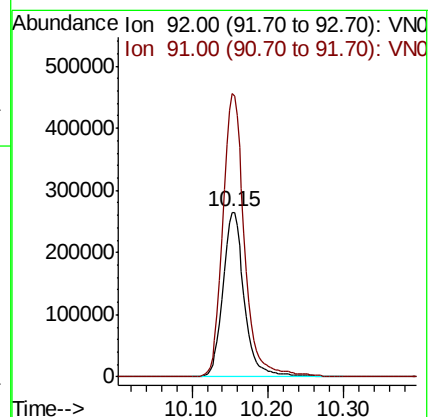
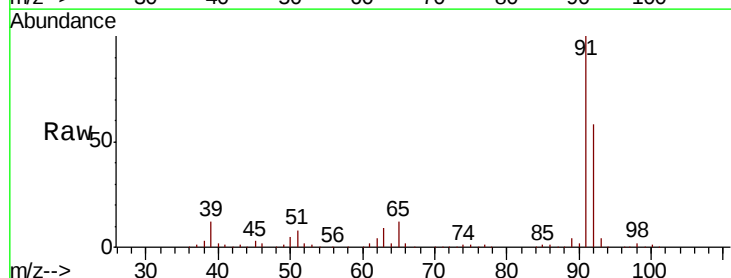
Acq: 6 May 2019 9:23

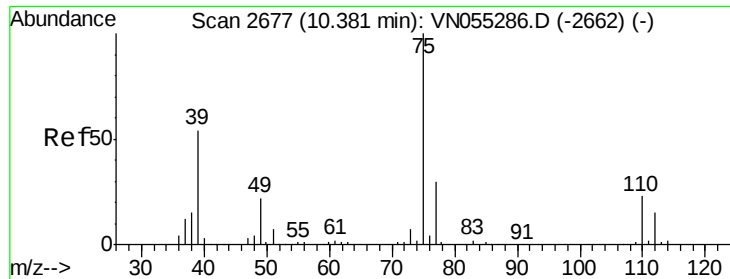
Tgt Ion: 92 Resp: 516335

Ion Ratio Lower Upper

92 100

91 174.8 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 51.970 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

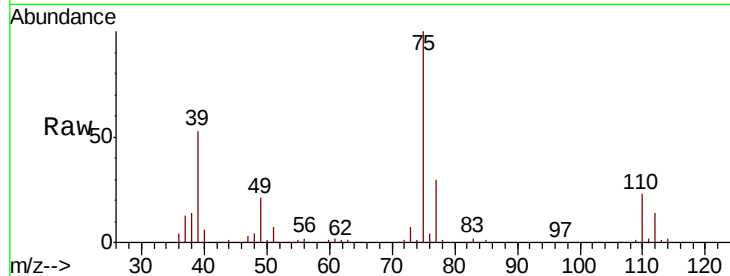
VSTDCCC050

Tot Ion: 75 Resp: 283034

Ion Ratio Lower Upper

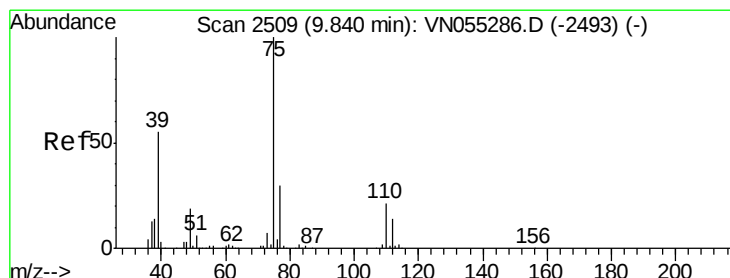
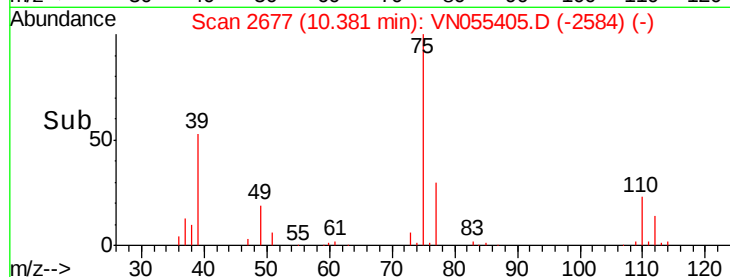
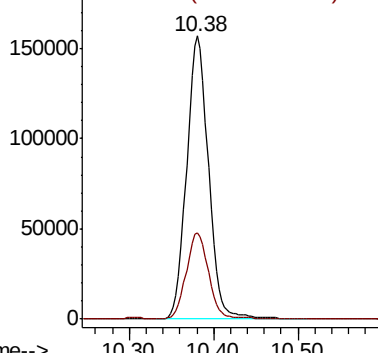
75 100

77 30.4 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.921 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

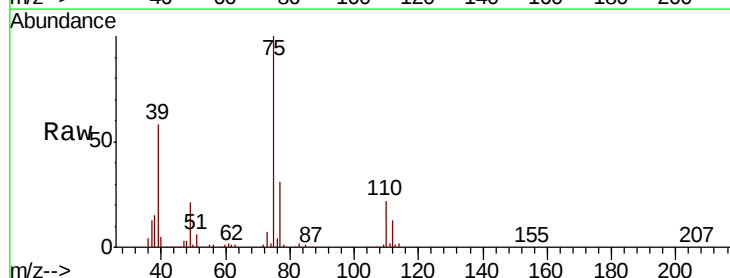
Tgt Ion: 75 Resp: 345762

Ion Ratio Lower Upper

75 100

77 31.1 24.2 36.2

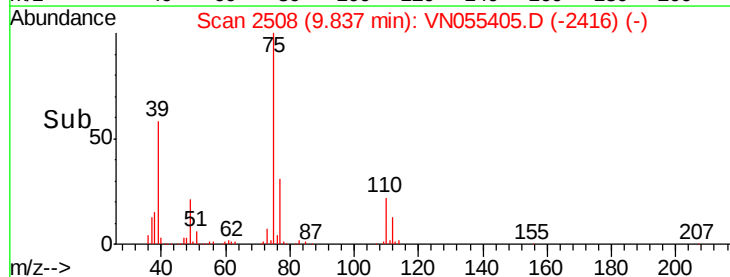
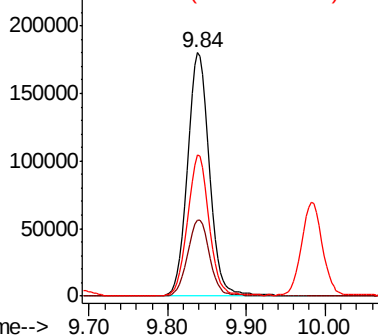
39 57.7 44.2 66.2

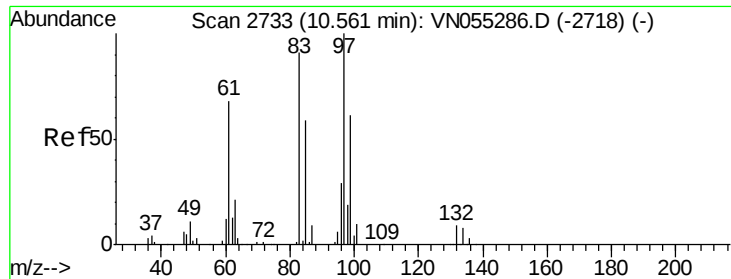


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

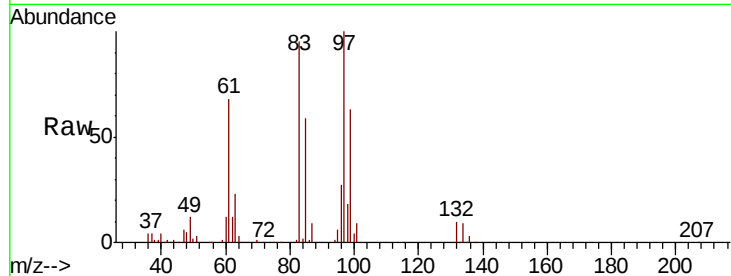




#55
 1,1,2-Trichloroethane
 Concen: 46.675 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	184469
Ion	Ratio	Lower	Upper
97	100		
83	94.5	72.8	109.2
85	58.9	47.0	70.6
99	62.7	49.0	73.4



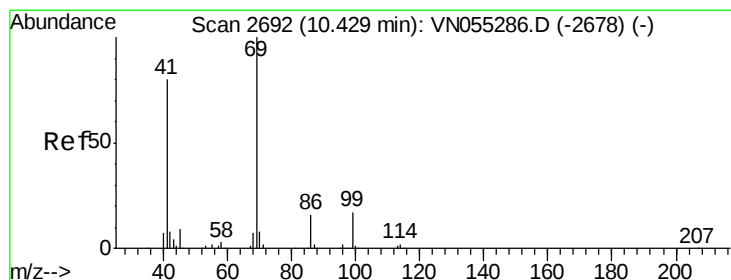
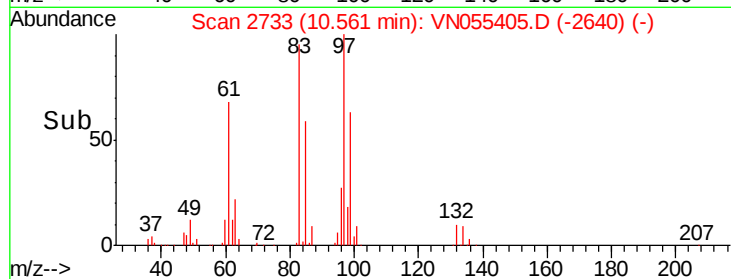
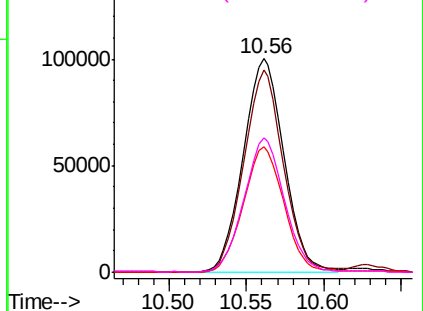
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

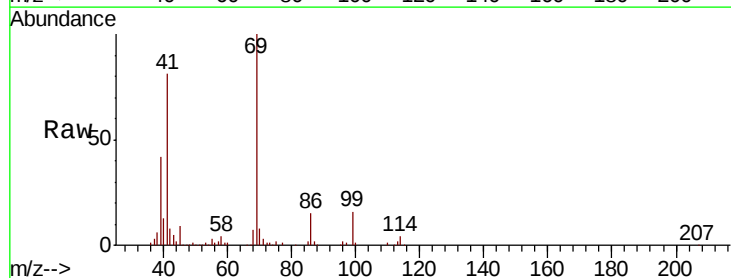
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 48.031 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion	69	Resp	233653
Ion	Ratio	Lower	Upper
69	100		
41	77.9	62.7	94.1
39	41.2	32.0	48.0

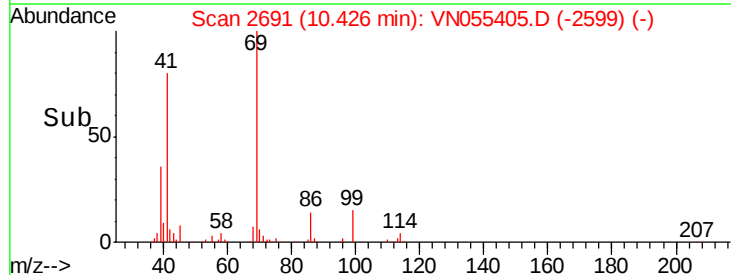
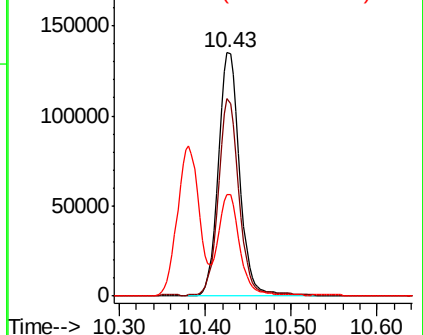


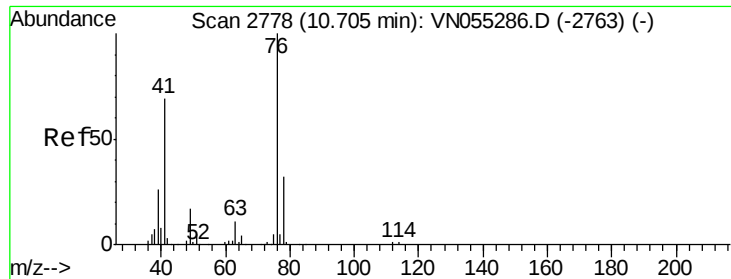
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 47.639 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

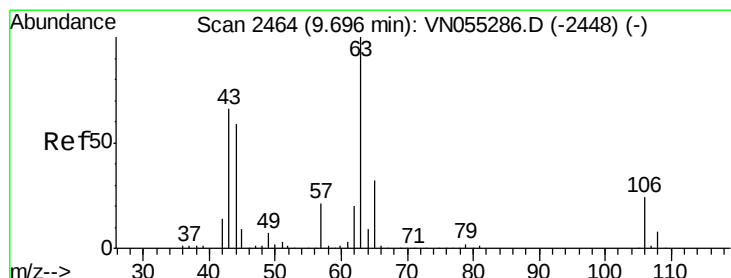
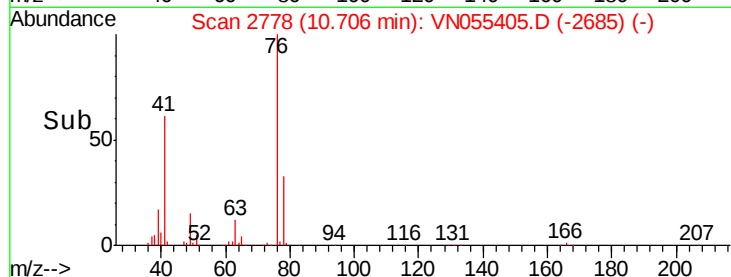
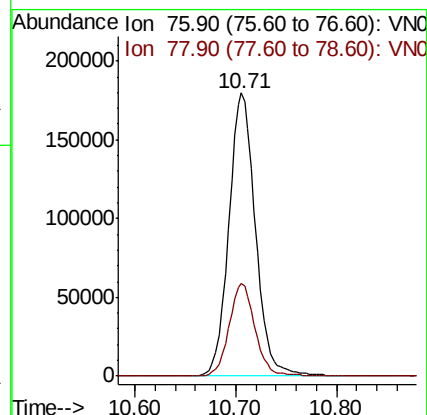
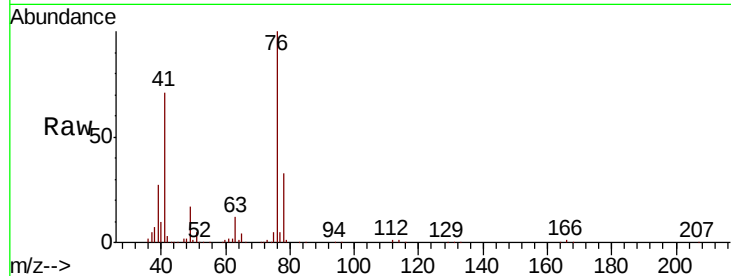
VSTDCCC050

Tot Ion: 76 Resp: 330296

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 177.464 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055405.D

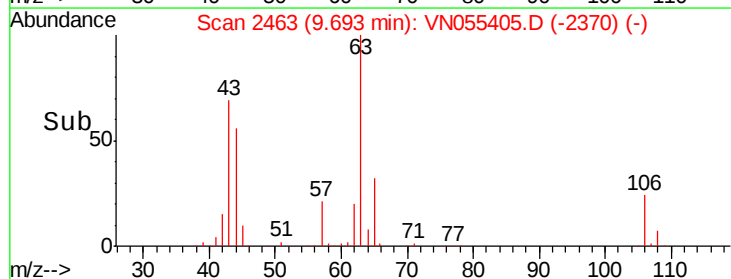
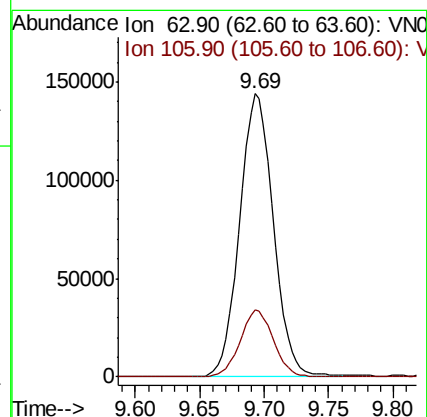
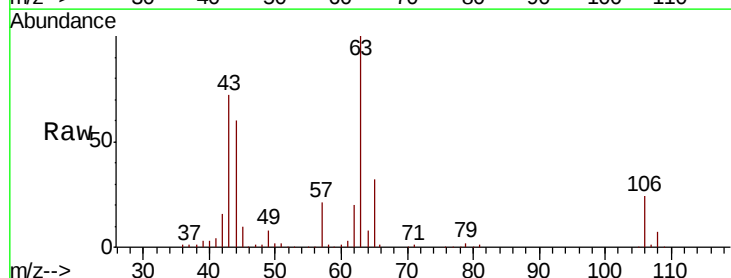
Acq: 6 May 2019 9:23

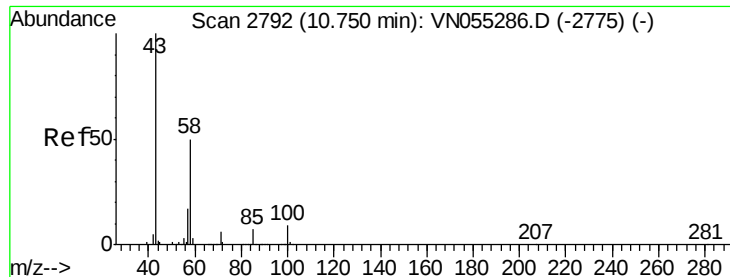
Tgt Ion: 63 Resp: 262202

Ion Ratio Lower Upper

63 100

106 23.2 19.0 28.4

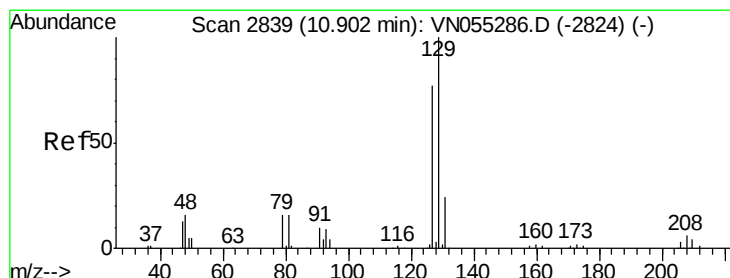
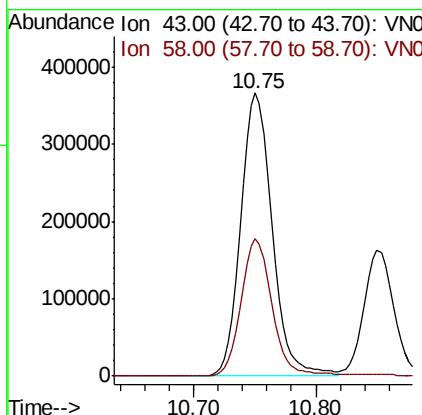
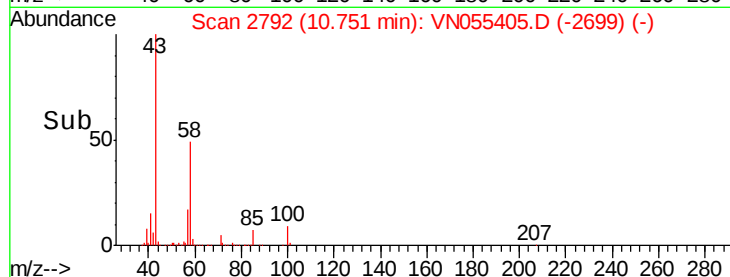
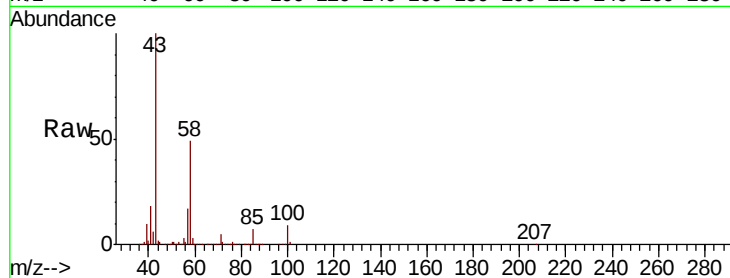




#59
2-Hexanone
Concen: 237.318 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

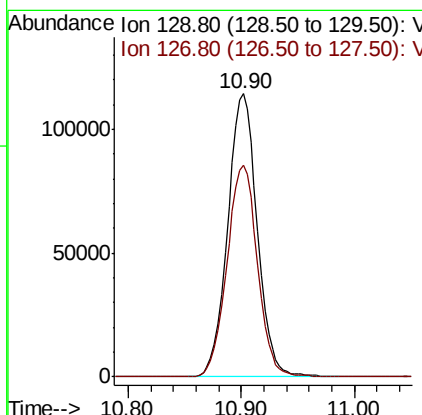
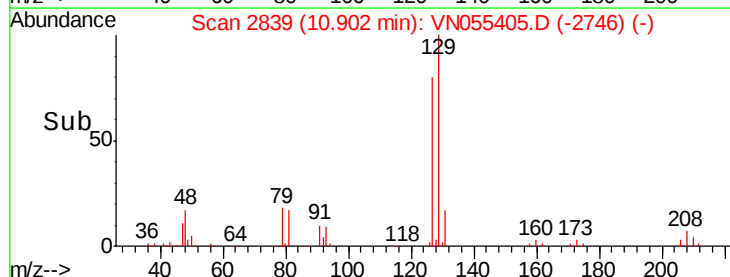
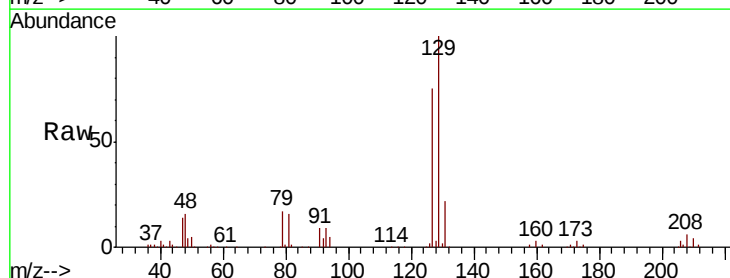
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

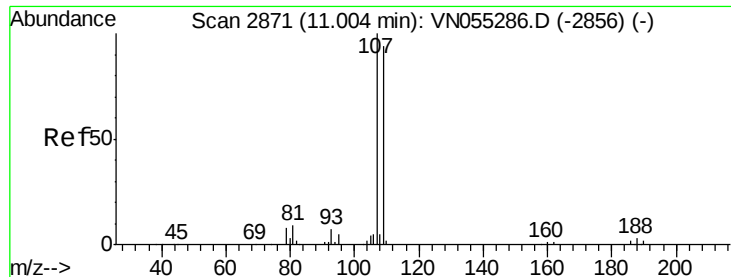
Tot Ion: 43 Resp: 647915
Ion Ratio Lower Upper
43 100
58 48.2 24.9 74.6



#60
Dibromochloromethane
Concen: 51.409 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion: 129 Resp: 207657
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.5

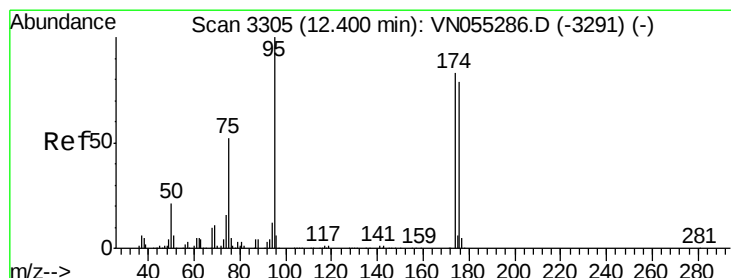
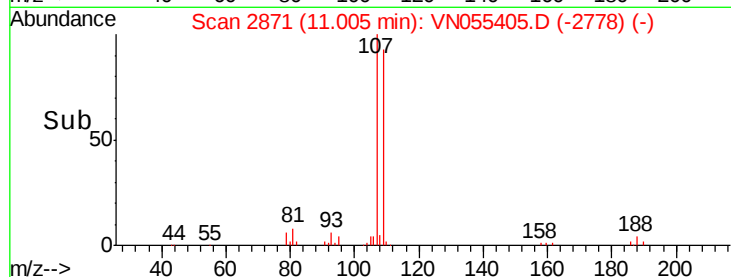
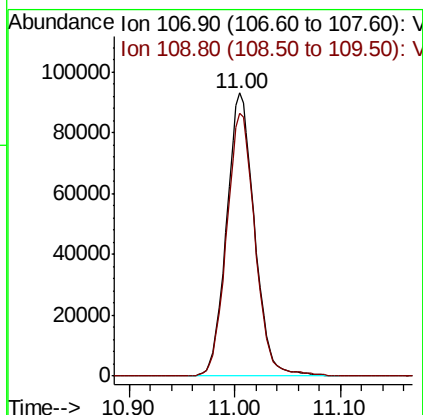
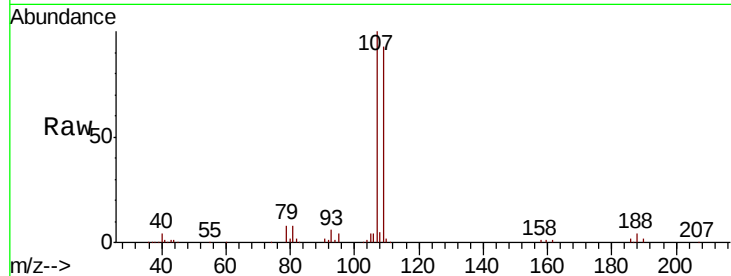




#61
 1,2-Dibromoethane
 Concen: 46.596 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

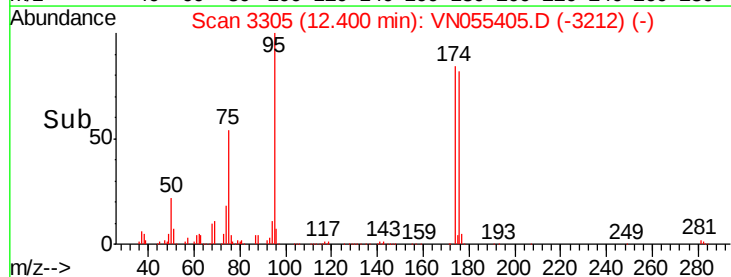
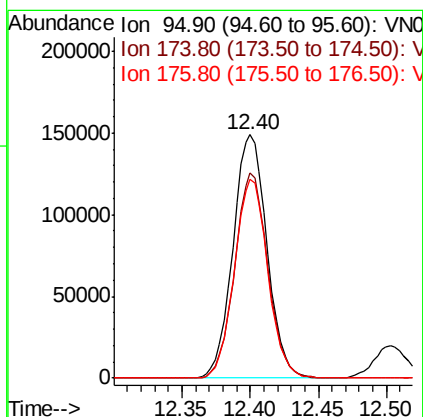
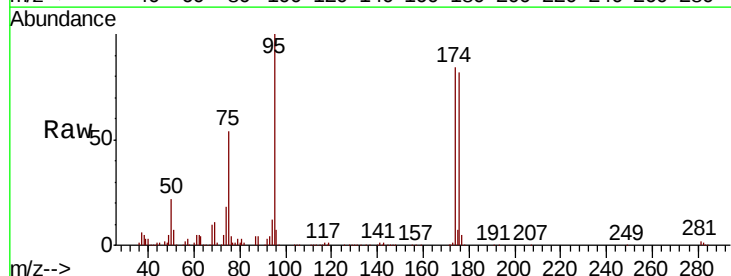
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

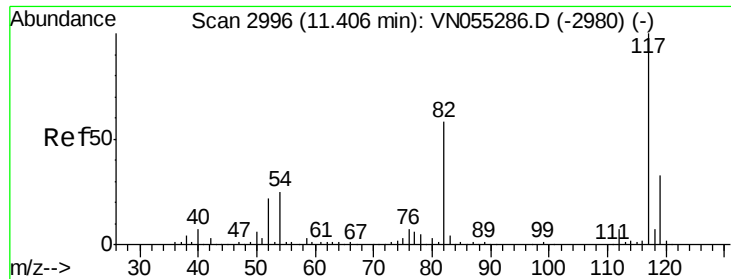
Tot Ion:107 Resp: 170215
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.833 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion: 95 Resp: 257089
 Ion Ratio Lower Upper
 95 100
 174 82.3 0.0 166.6
 176 80.3 0.0 157.8

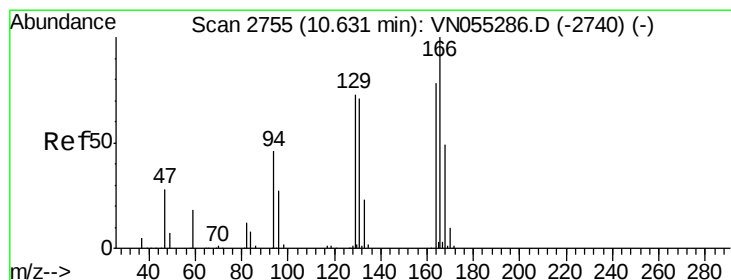
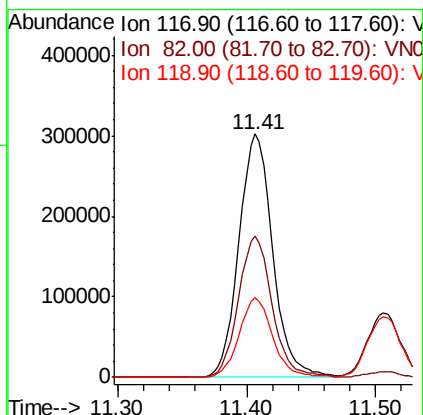
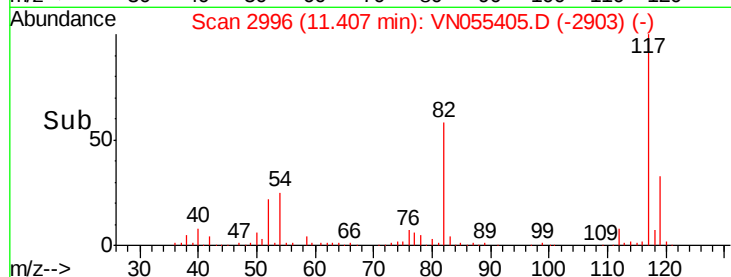
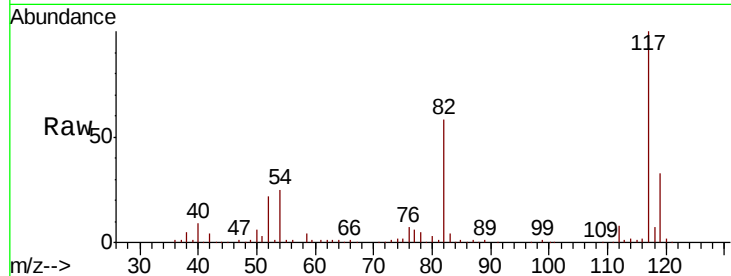




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

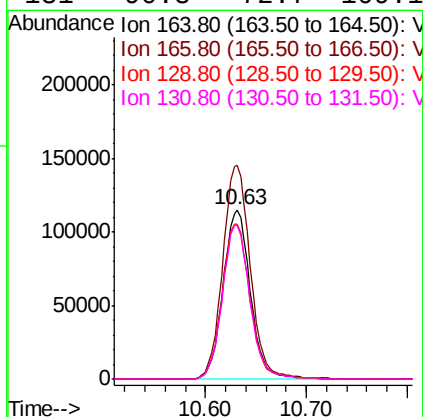
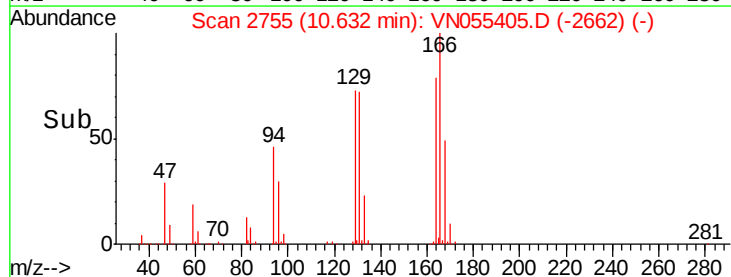
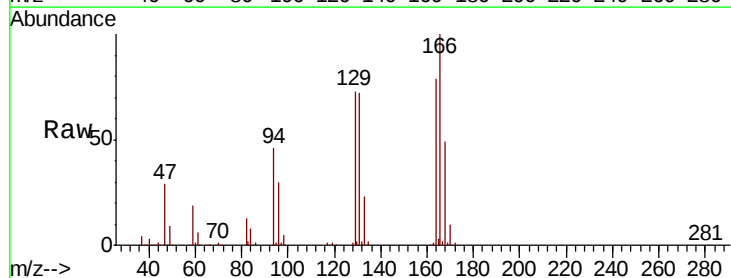
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

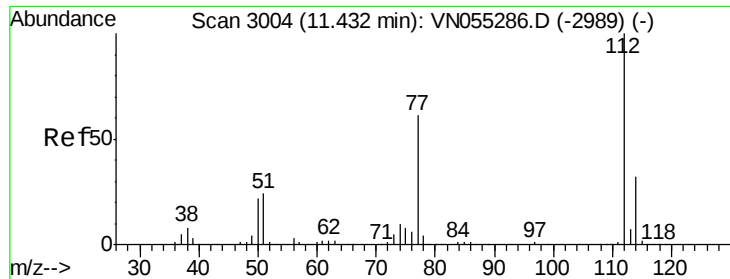
Tot Ion:117 Resp: 552930
Ion Ratio Lower Upper
117 100
82 57.9 46.2 69.4
119 32.5 26.6 40.0



#64
Tetrachloroethene
Concen: 48.039 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion:164 Resp: 217221
Ion Ratio Lower Upper
164 100
166 126.1 102.3 153.5
129 91.6 75.0 112.6
131 90.8 72.7 109.1

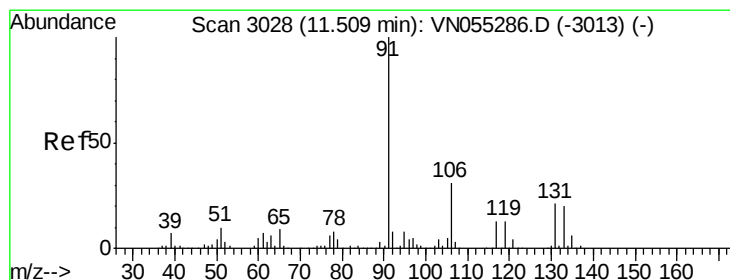
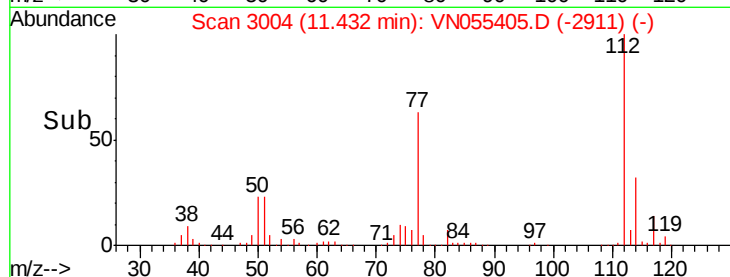
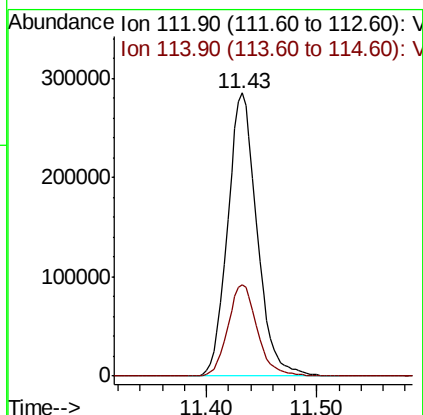
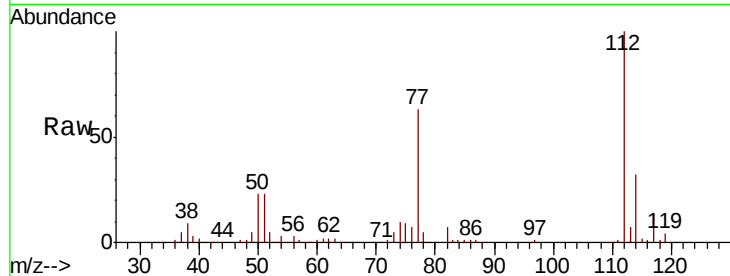




#65
Chlorobenzene
Concen: 48.596 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

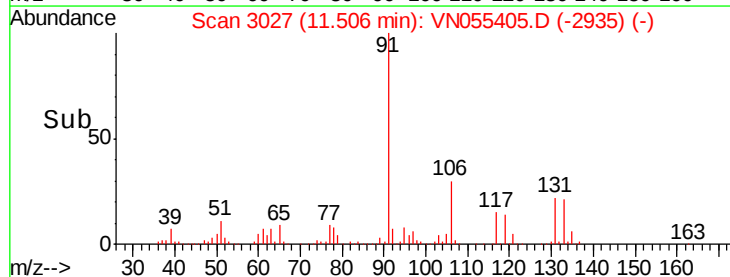
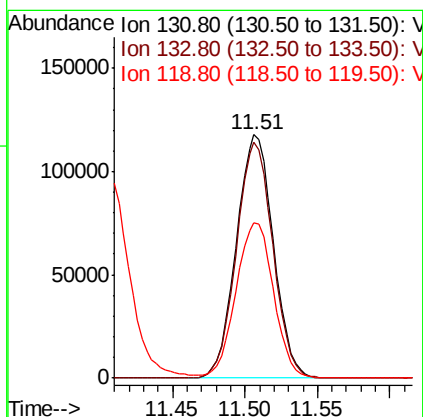
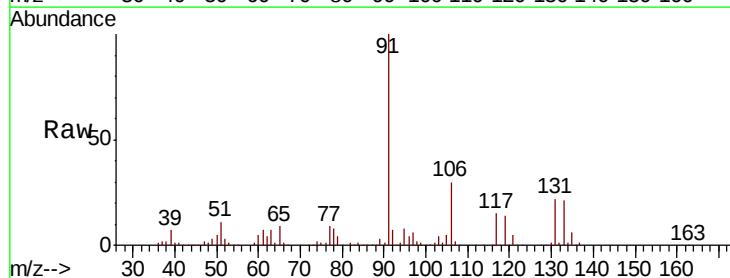
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 525345
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 49.361 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion:131 Resp: 208949
Ion Ratio Lower Upper
131 100
133 95.2 47.5 142.6
119 64.9 32.7 98.1

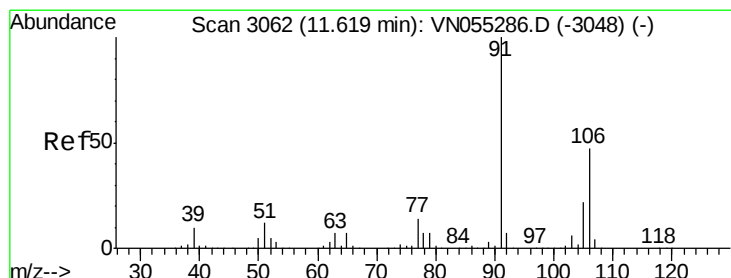
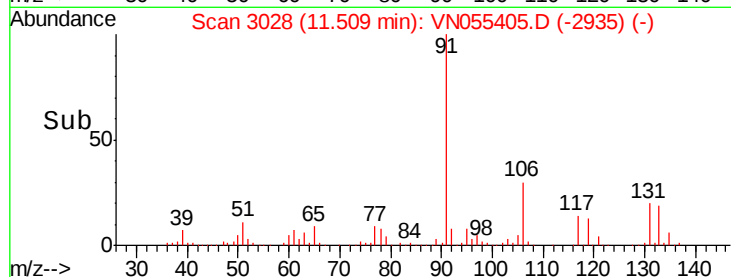
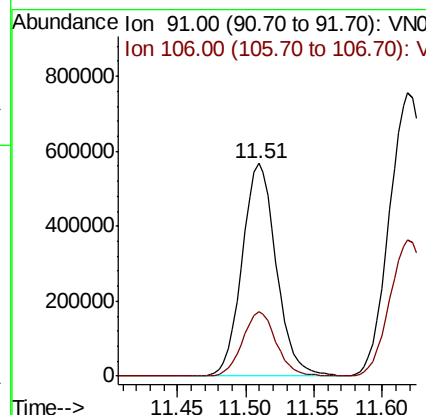
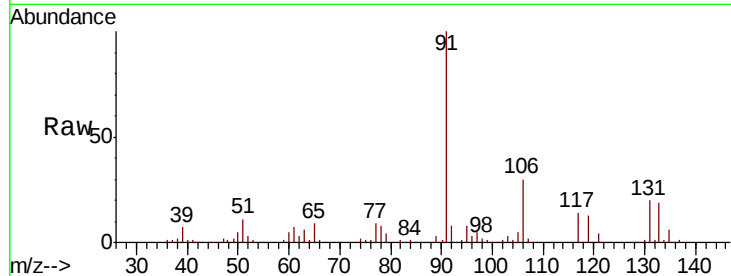




#67
Ethyl Benzene
Concen: 50.561 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

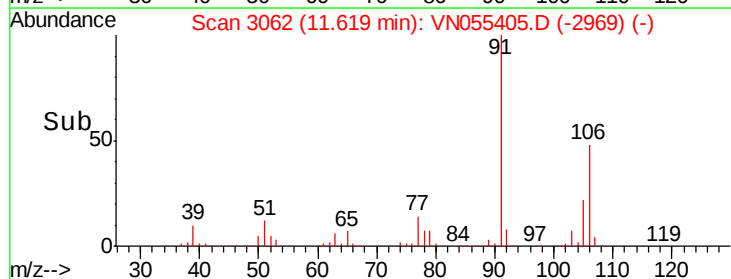
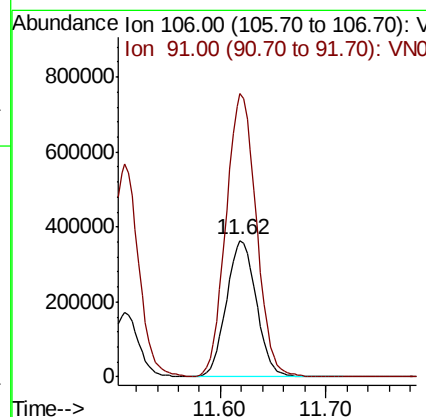
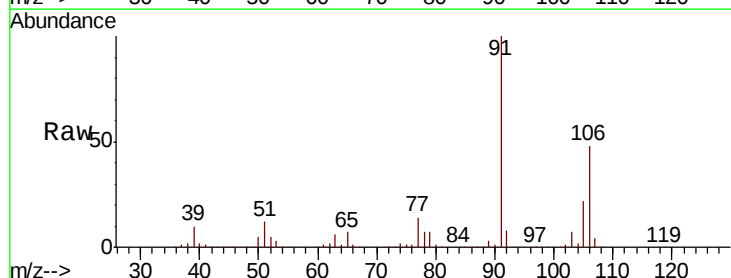
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

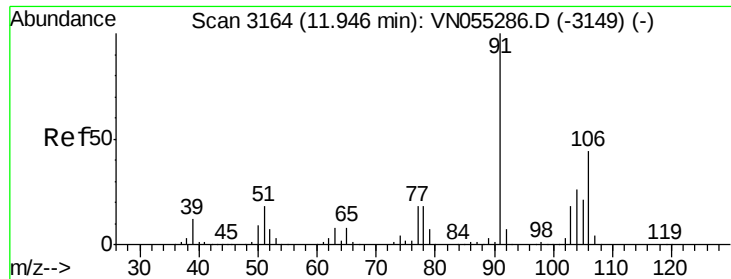
Tot Ion: 91 Resp: 987024
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8



#68
m/p-Xylenes
Concen: 102.813 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion: 106 Resp: 716412
Ion Ratio Lower Upper
106 100
91 209.7 169.5 254.3

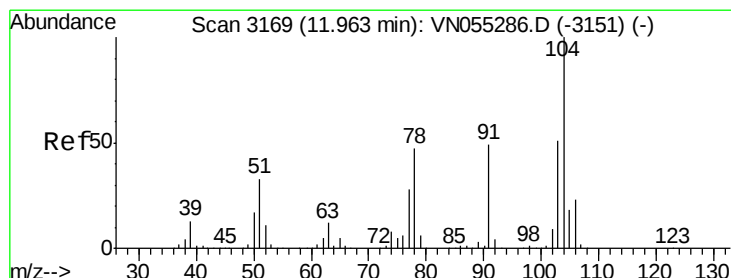
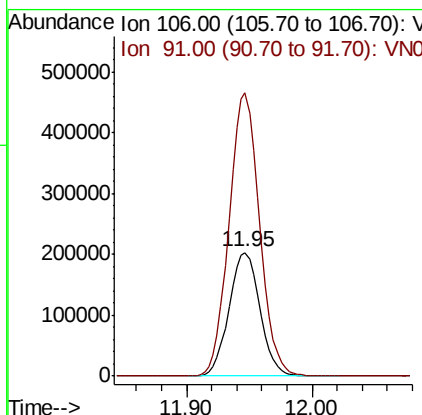
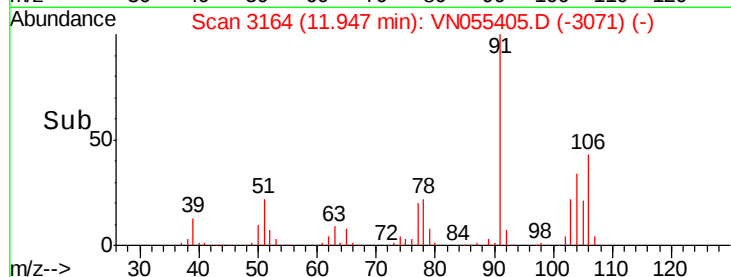
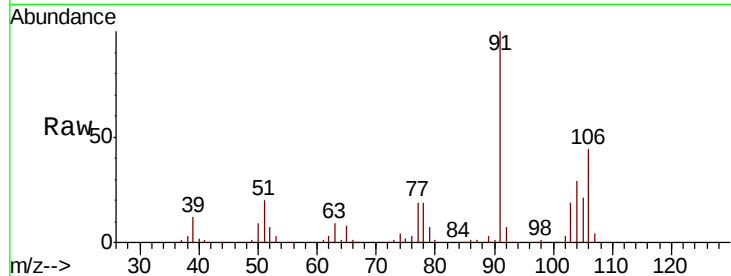




#69
o-Xylene
Concen: 50.475 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

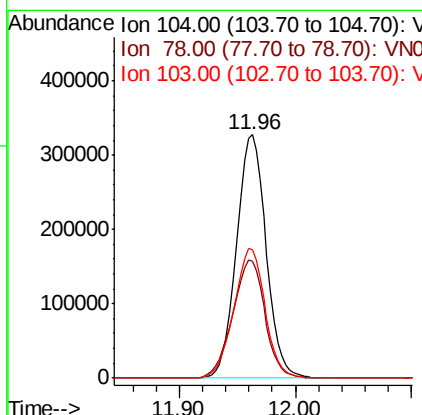
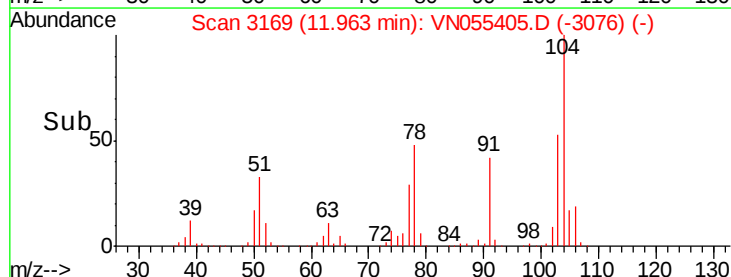
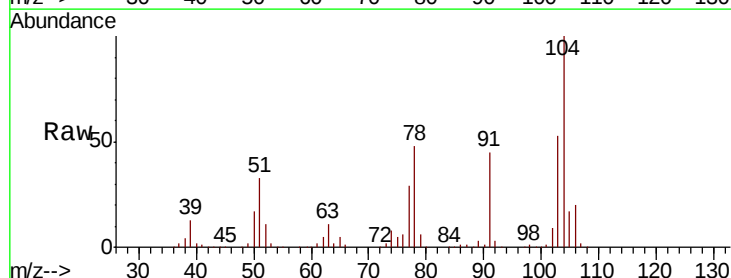
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

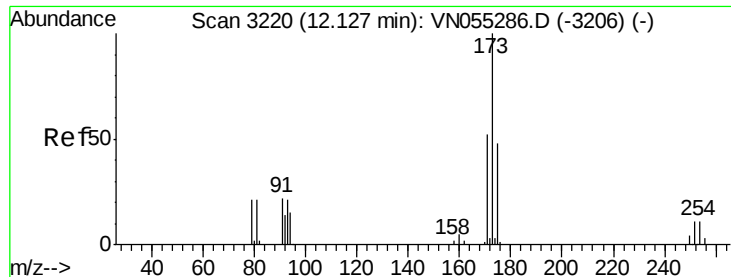
Tot Ion:106 Resp: 348611
Ion Ratio Lower Upper
106 100
91 225.1 111.5 334.5



#70
Styrene
Concen: 54.478 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion:104 Resp: 577701
Ion Ratio Lower Upper
104 100
78 52.7 42.2 63.2
103 56.3 44.6 67.0

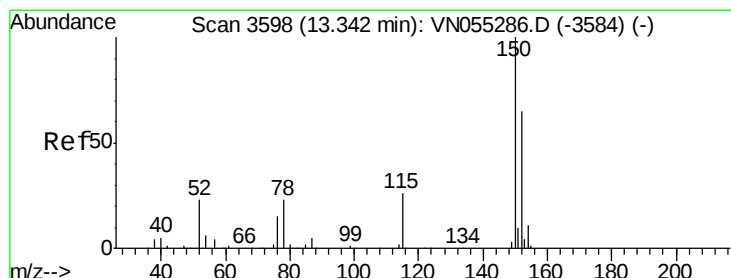
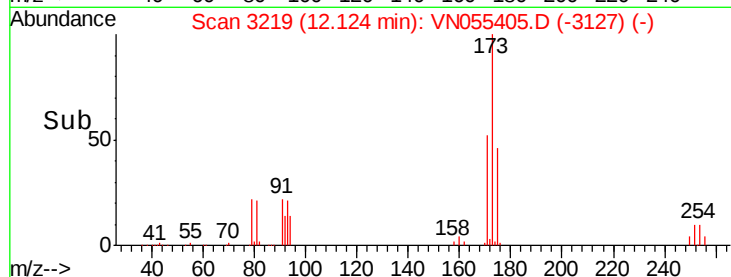
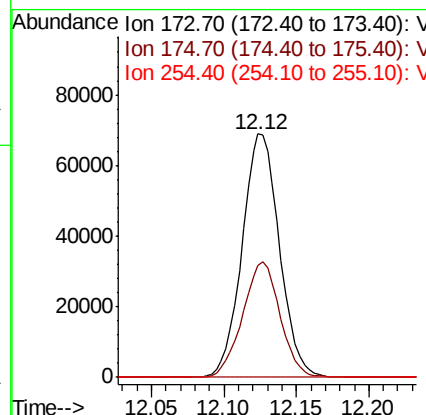
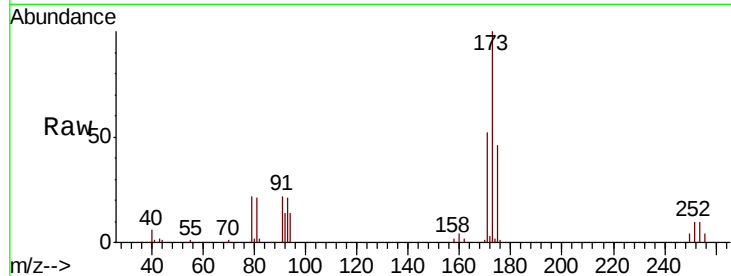




#71
Bromoform
Concen: 52.328 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

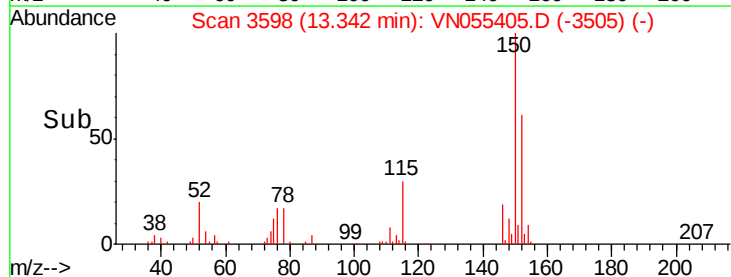
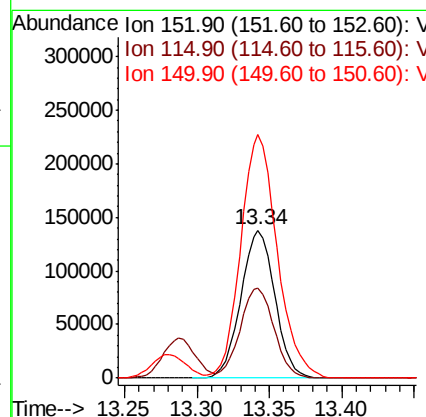
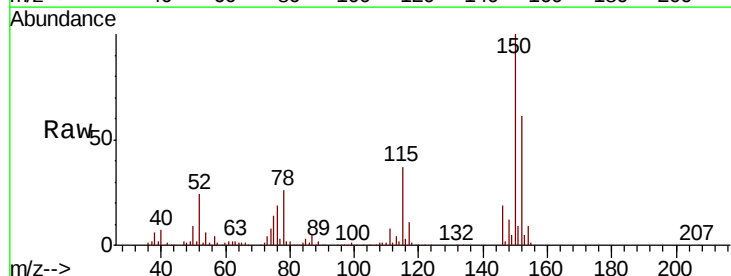
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

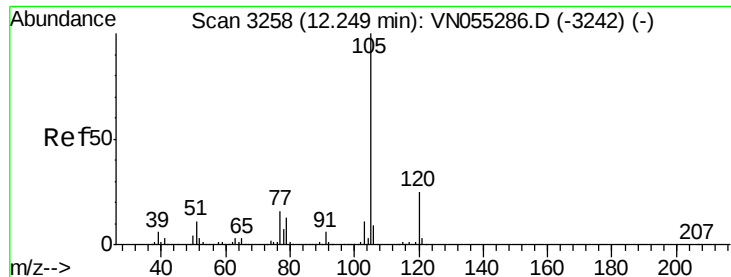
Tot Ion:173 Resp: 122911
Ion Ratio Lower Upper
173 100
175 47.8 23.6 71.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion:152 Resp: 224320
Ion Ratio Lower Upper
152 100
115 60.7 29.0 87.0
150 176.7 0.0 345.6





#73

Isopropylbenzene

Concen: 53.544 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

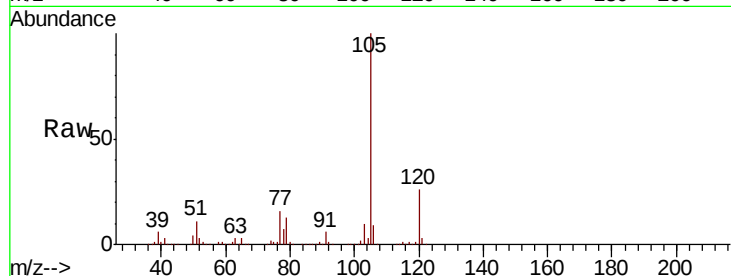
VSTDCCC050

Tot Ion:105 Resp: 951710

Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

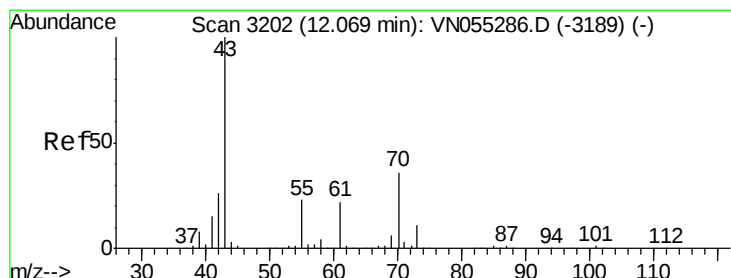
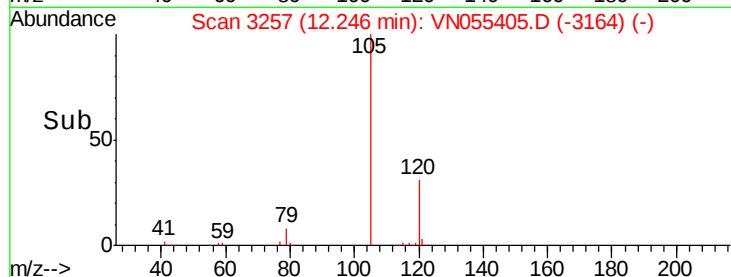
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 44.108 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Tgt Ion: 43 Resp: 253927

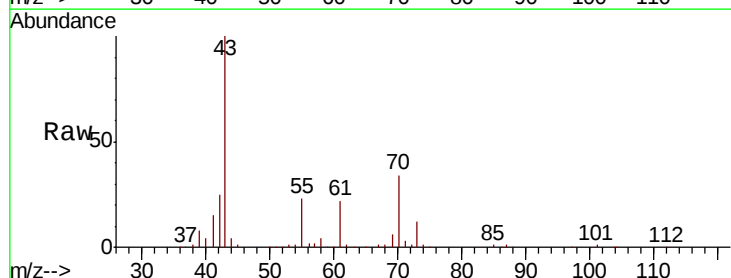
Ion Ratio Lower Upper

43 100

70 34.7 27.9 41.9

55 22.8 18.2 27.2

61 21.3 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

200000

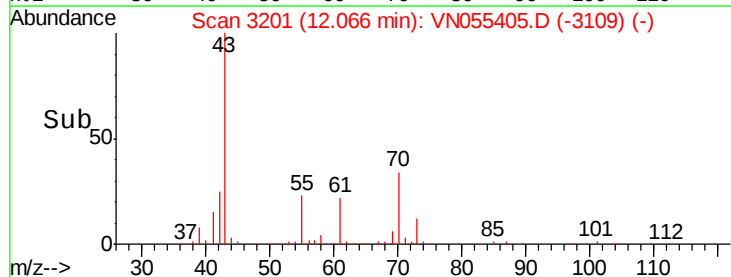
150000

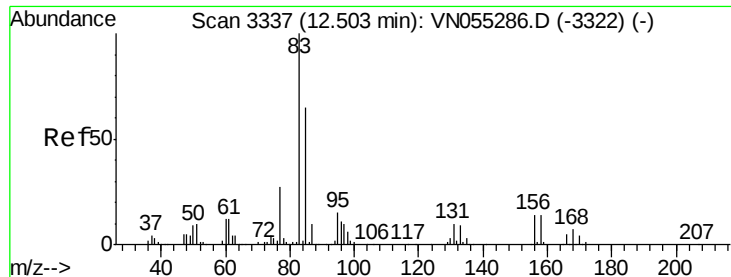
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.685 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

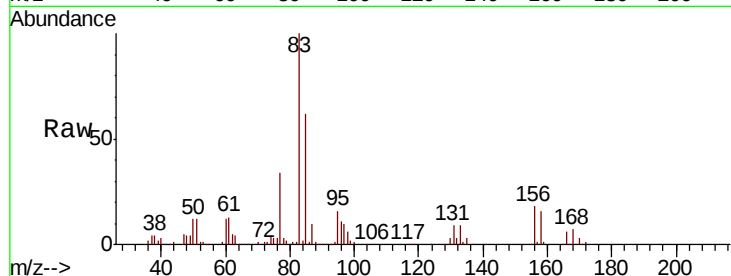
Tot Ion: 83 Resp: 212593

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.2

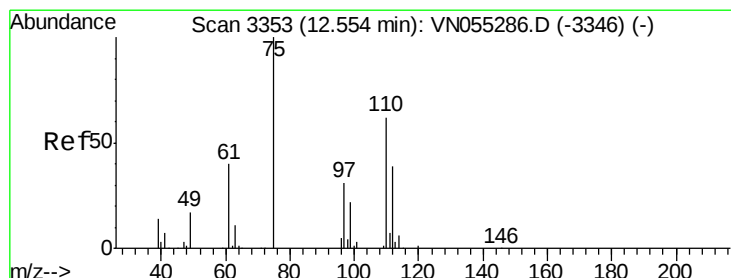
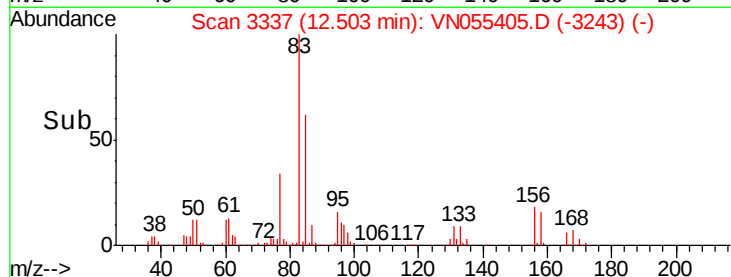
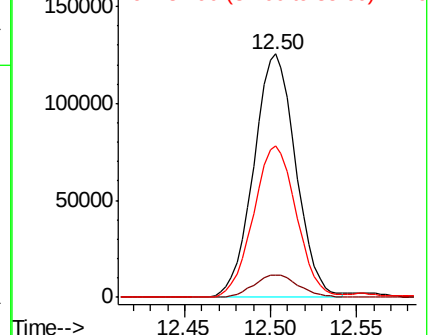
85 63.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 62.809 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN055405.D

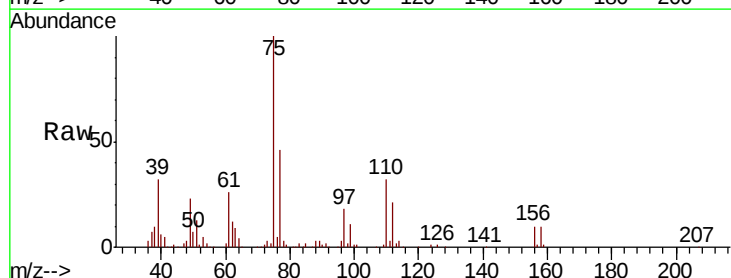
Acq: 6 May 2019 9:23

Tgt Ion: 75 Resp: 259197

Ion Ratio Lower Upper

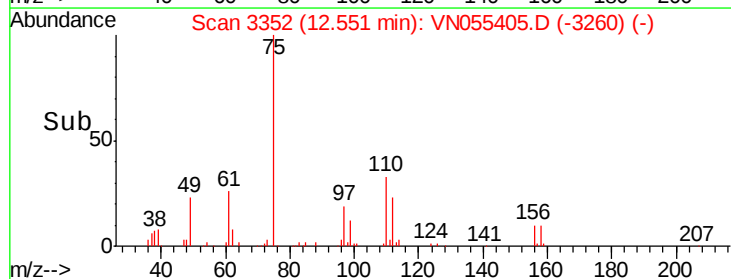
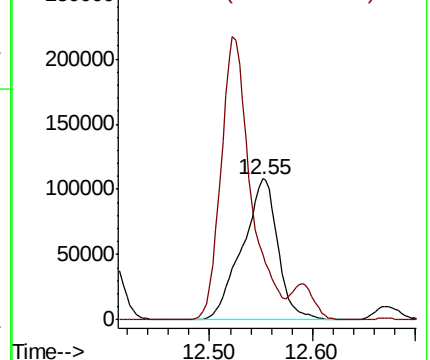
75 100

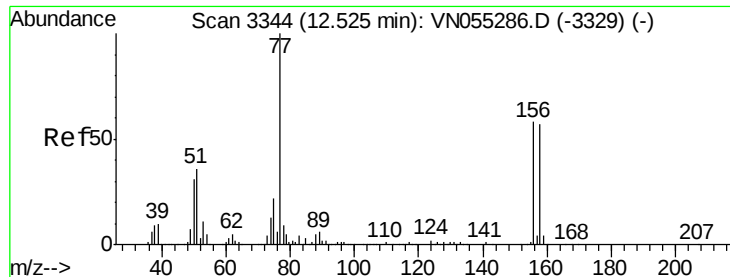
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 51.522 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

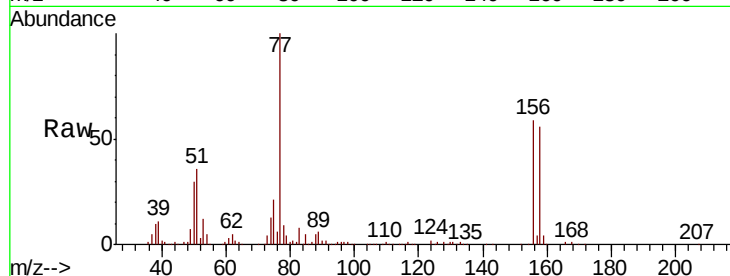
Tot Ion:156 Resp: 220183

Ion Ratio Lower Upper

156 100

77 198.5 99.6 298.8

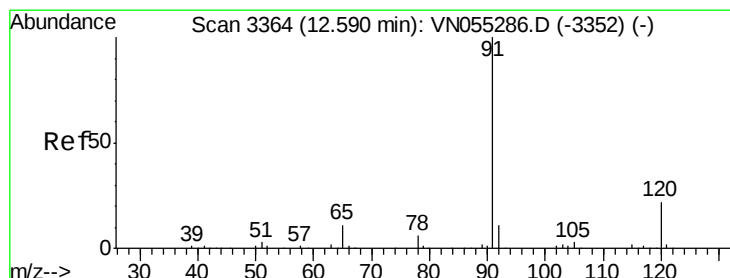
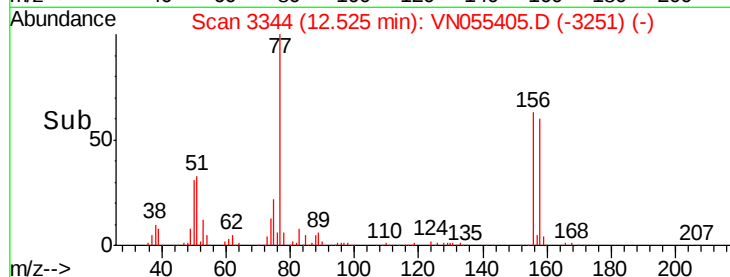
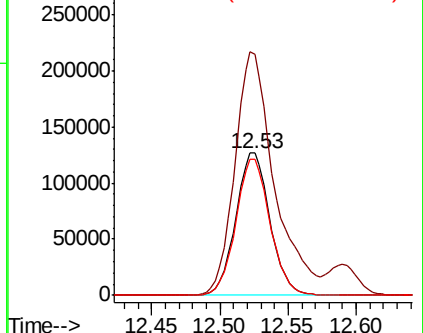
158 95.7 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.186 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055405.D

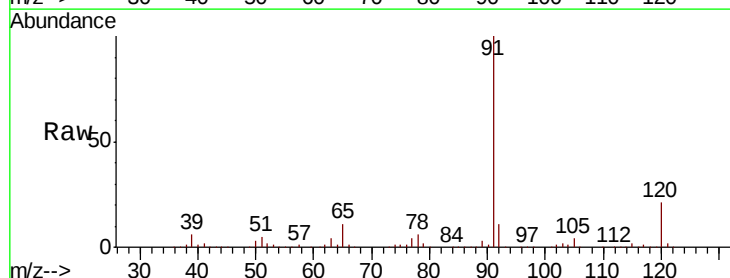
Acq: 6 May 2019 9:23

Tgt Ion: 91 Resp: 1064243

Ion Ratio Lower Upper

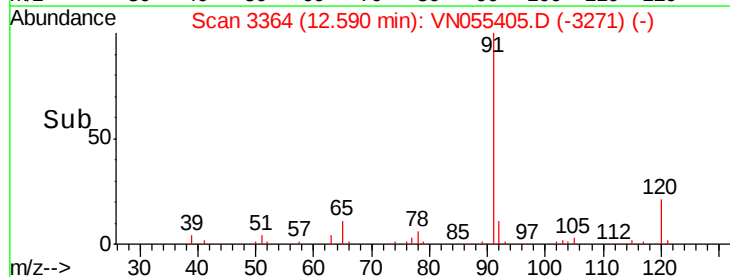
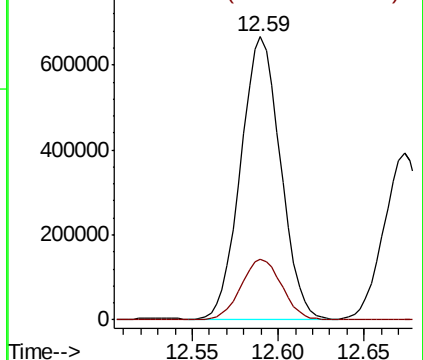
91 100

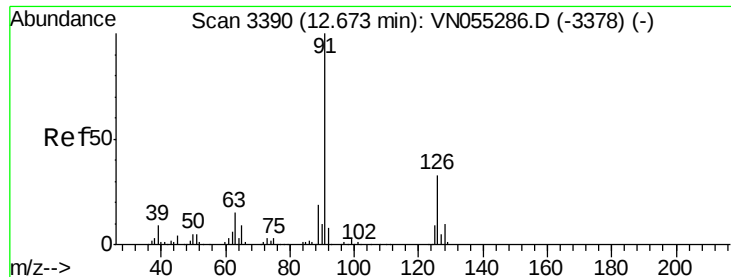
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.254 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

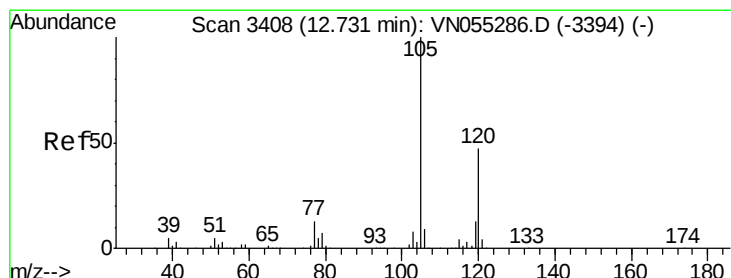
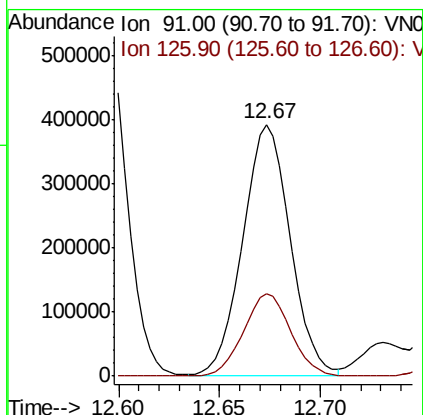
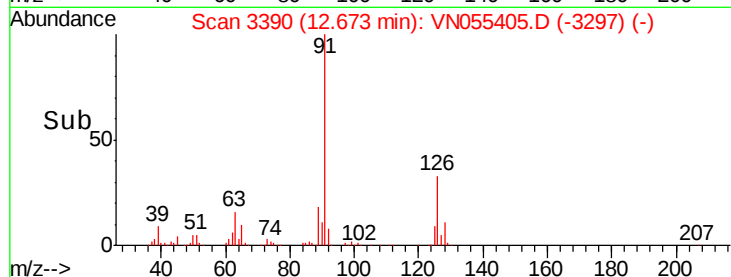
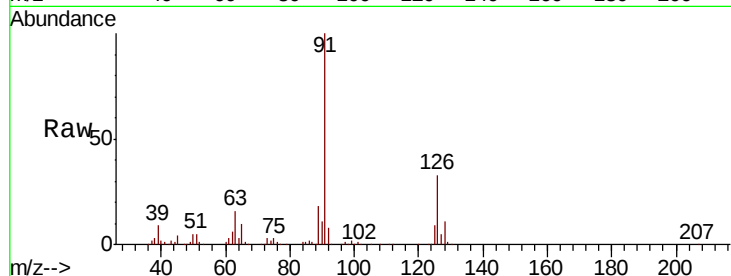
VSTDCCC050

Tot Ion: 91 Resp: 645314

Ion Ratio Lower Upper

91 100

126 32.8 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 44.883 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055405.D

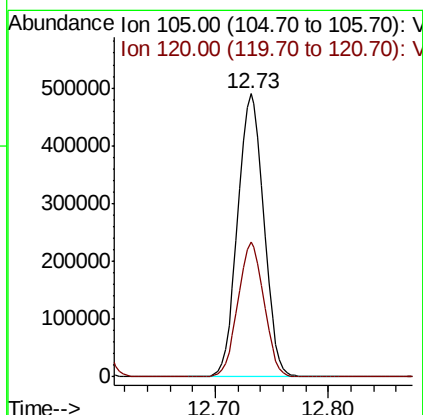
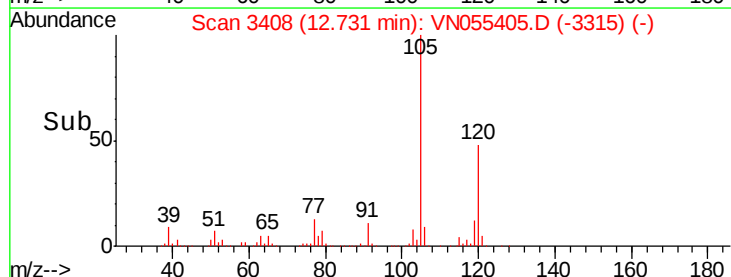
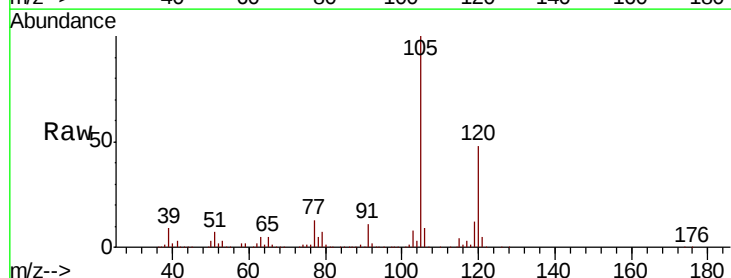
Acq: 6 May 2019 9:23

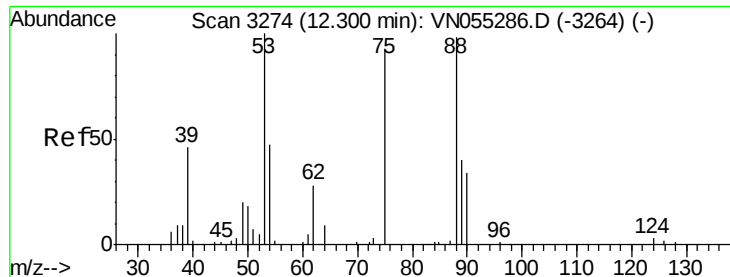
Tgt Ion: 105 Resp: 789306

Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 45.072 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

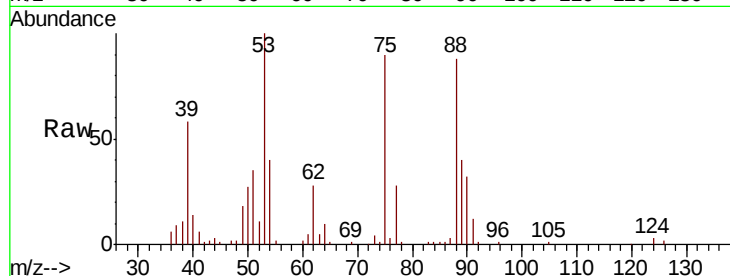
Tot Ion: 75 Resp: 53352

Ion Ratio Lower Upper

75 100

53 110.4 86.3 129.5

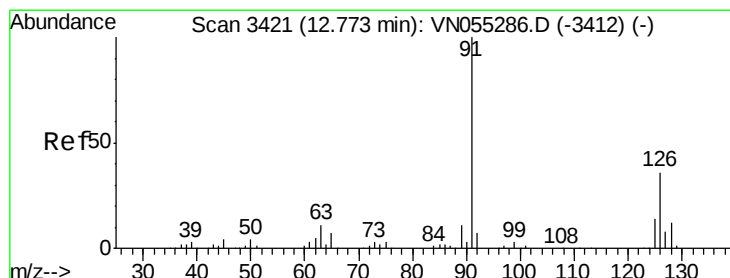
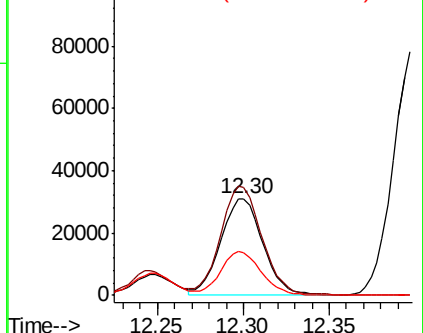
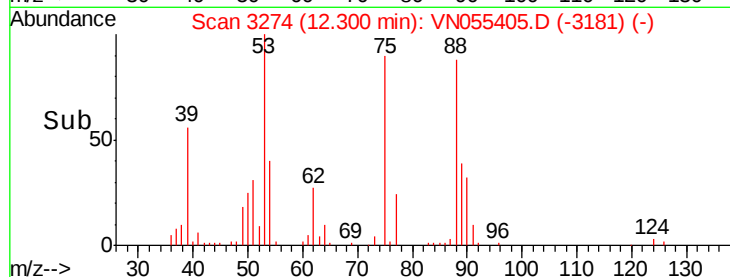
89 43.7 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 46.369 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055405.D

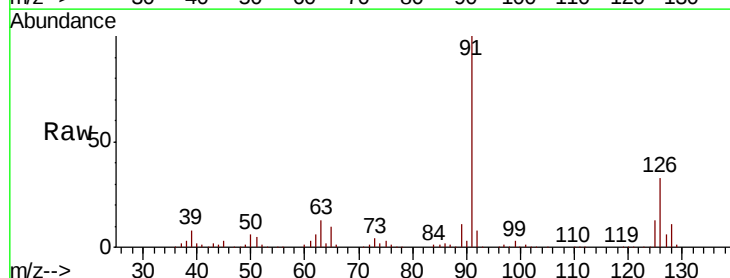
Acq: 6 May 2019 9:23

Tgt Ion: 91 Resp: 621238

Ion Ratio Lower Upper

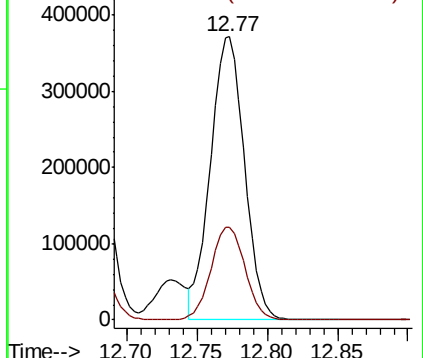
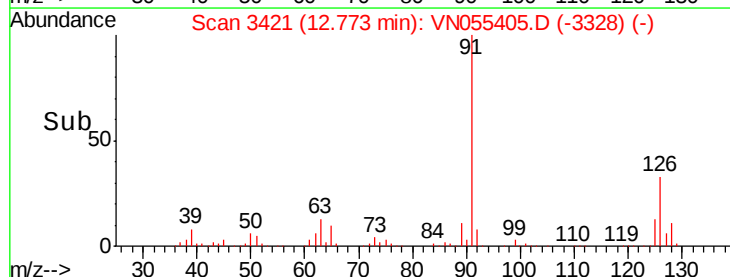
91 100

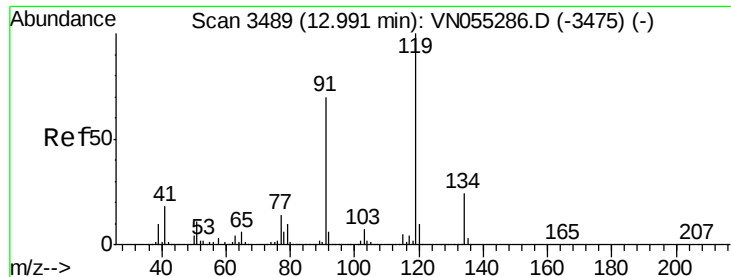
126 32.9 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

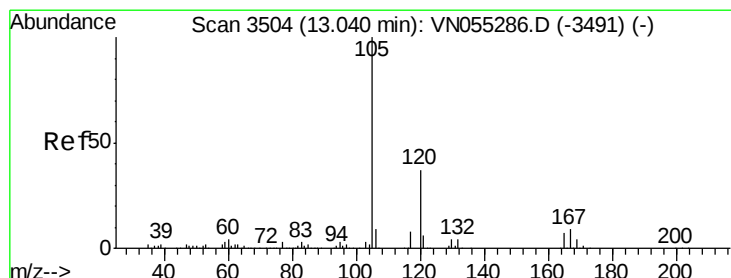
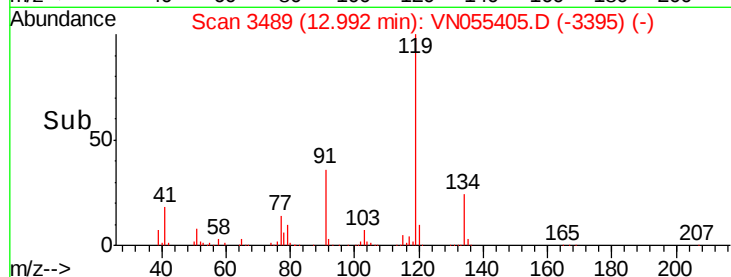
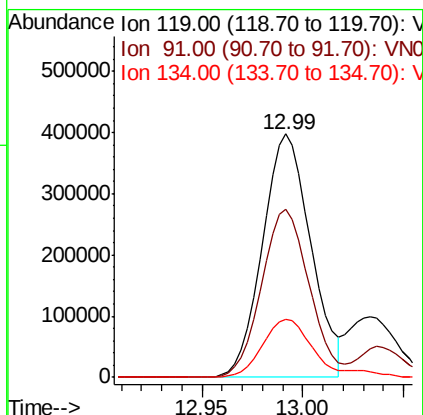
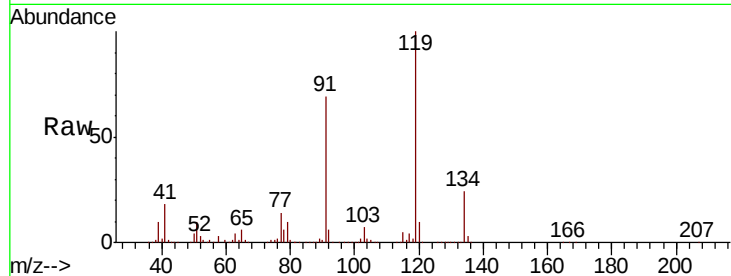




#83
tert-Butylbenzene
Concen: 53.442 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

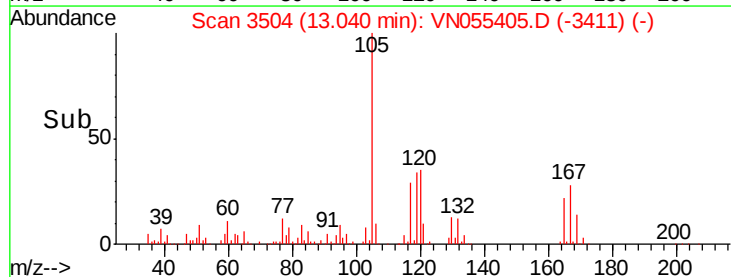
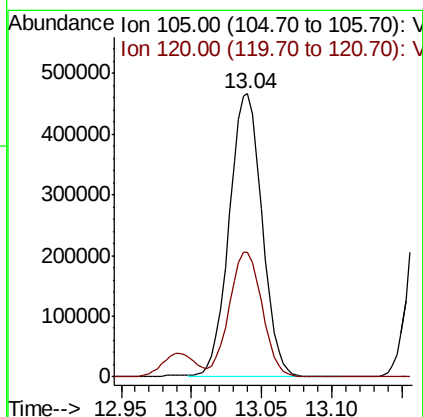
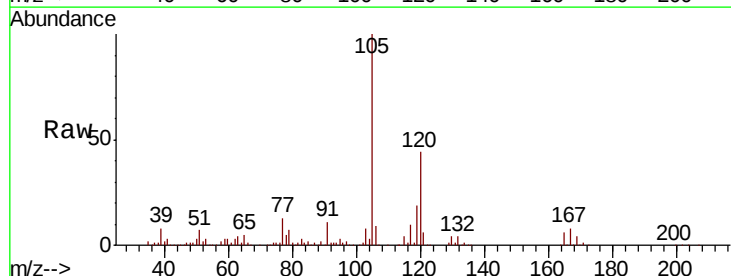
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

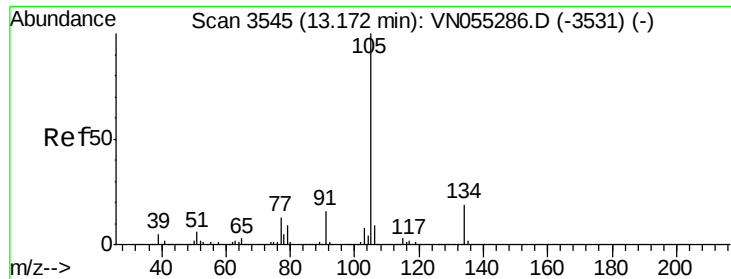
Tot Ion:119 Resp: 662731
Ion Ratio Lower Upper
119 100
91 68.1 34.3 102.9
134 25.9 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 48.322 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055405.D
Acq: 6 May 2019 9:23

Tgt Ion:105 Resp: 760013
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.5





#85

sec-Butylbenzene

Concen: 45.898 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

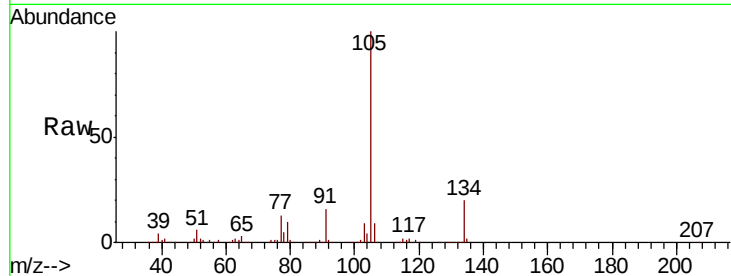
VSTDCCC050

Tot Ion:105 Resp: 877308

Ion Ratio Lower Upper

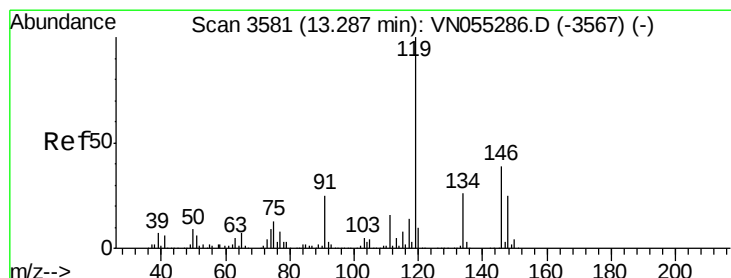
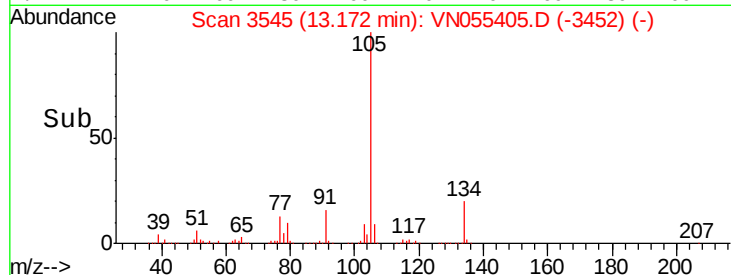
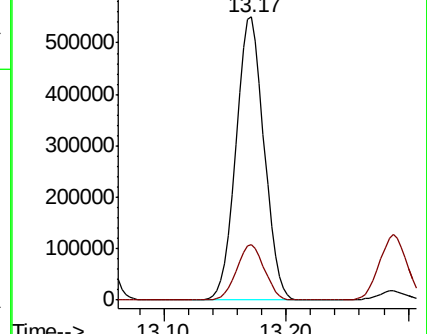
105 100

134 19.5 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.151 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

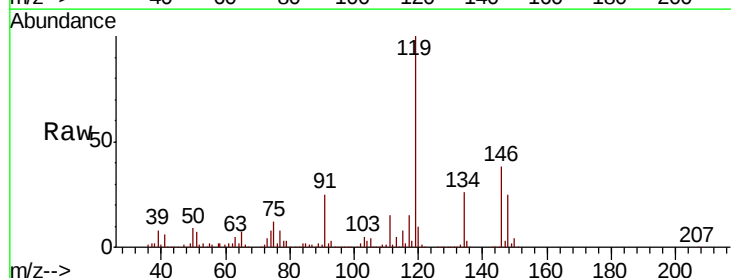
Tgt Ion:119 Resp: 756471

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

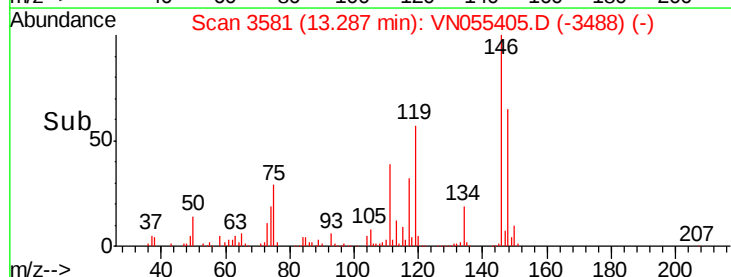
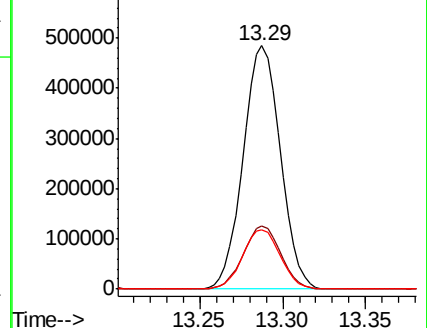
91 24.6 12.2 36.6

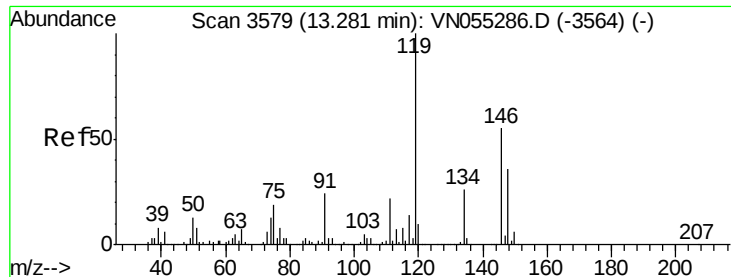


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.222 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

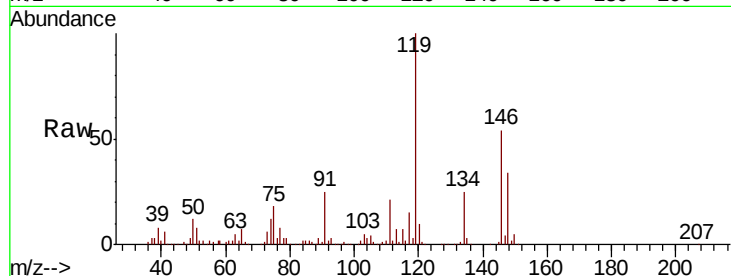
Tot Ion:146 Resp: 369476

Ion Ratio Lower Upper

146 100

111 39.5 20.3 60.8

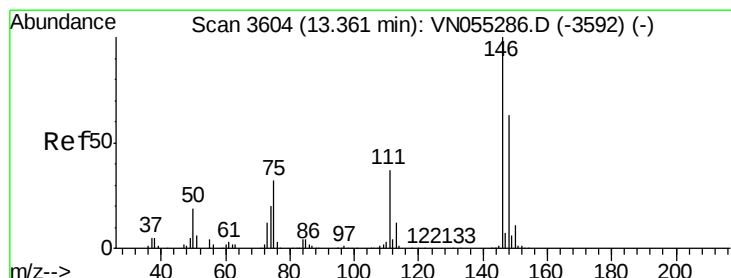
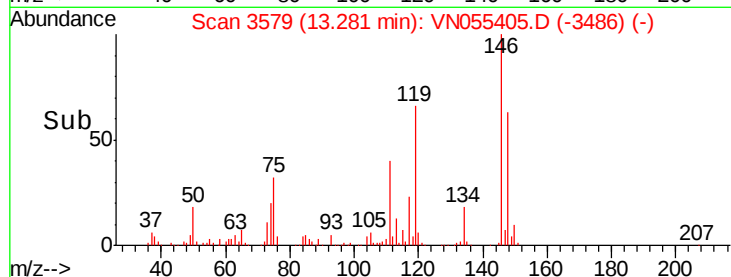
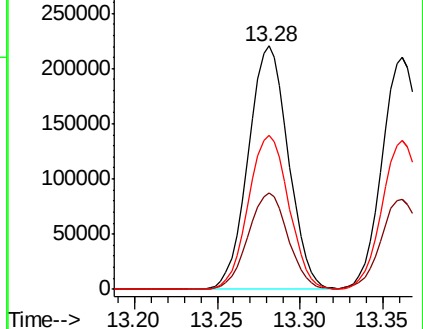
148 64.2 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.220 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

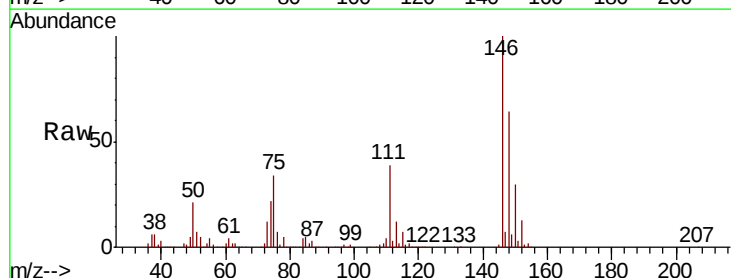
Tgt Ion:146 Resp: 355001

Ion Ratio Lower Upper

146 100

111 38.9 19.5 58.5

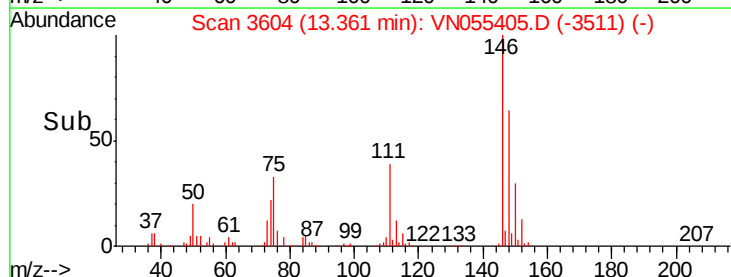
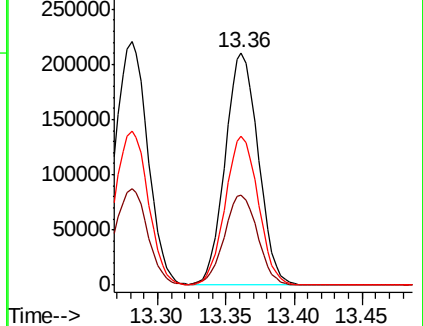
148 64.2 32.5 97.4

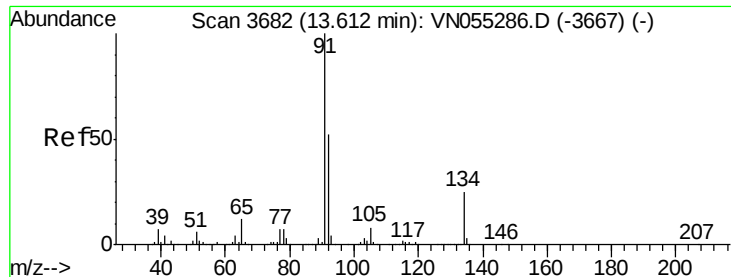


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 53.884 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

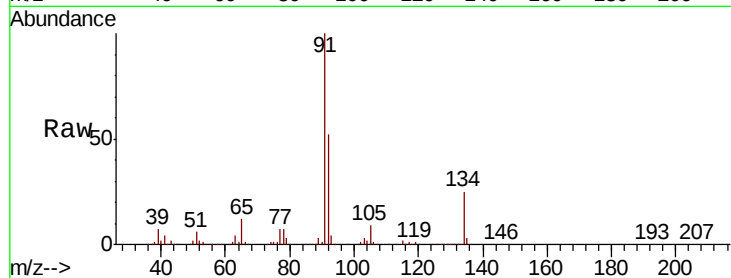
Tot Ion: 91 Resp: 601538

Ion Ratio Lower Upper

91 100

92 51.4 26.1 78.3

134 24.6 12.4 37.4

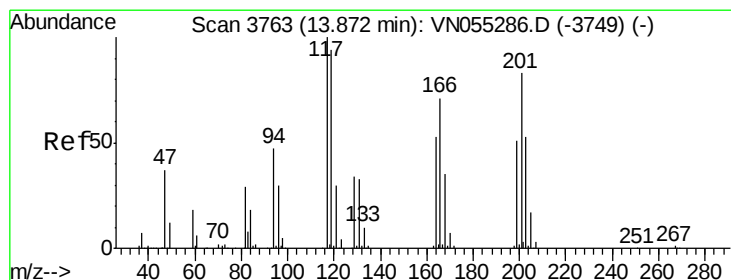
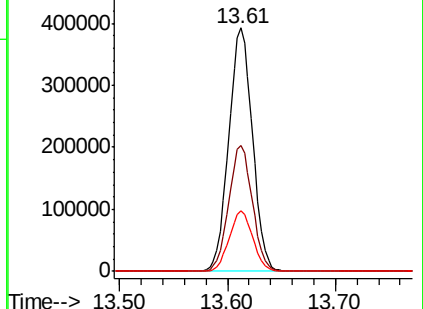
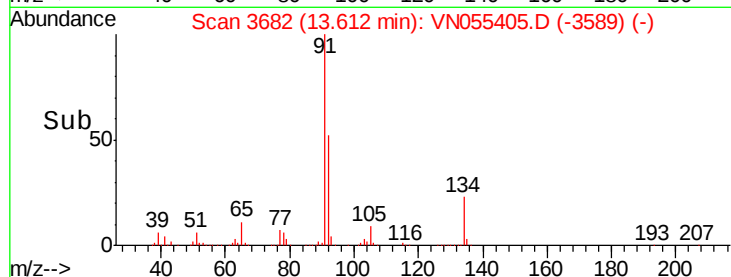


Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN055286.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN055286.D (-3667) (-)

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 53.136 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055405.D

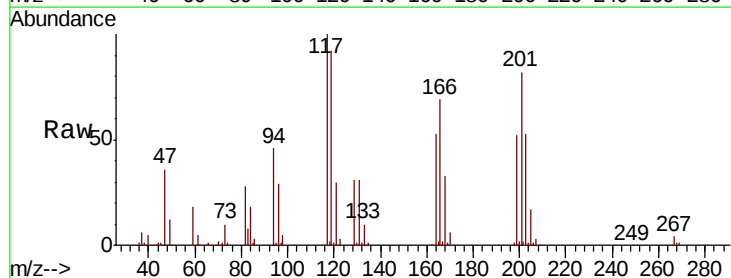
Acq: 6 May 2019 9:23

Tgt Ion: 117 Resp: 131930

Ion Ratio Lower Upper

117 100

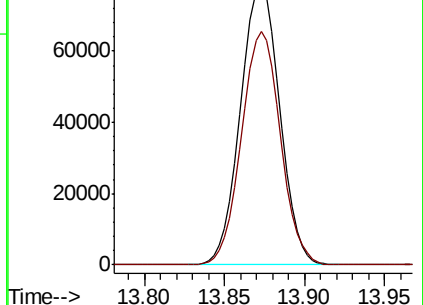
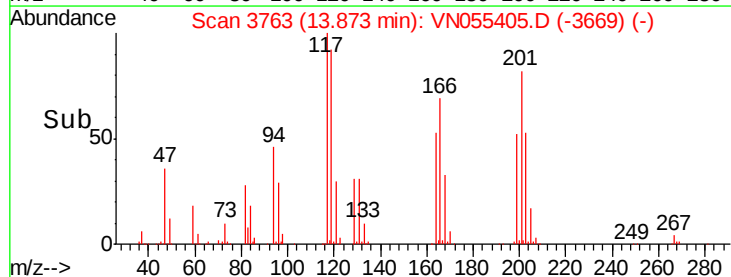
201 82.2 41.9 125.8

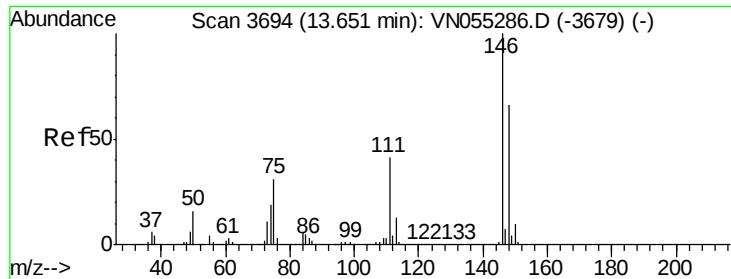


Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055286.D (-3749) (-)

Time--> 13.80 13.85 13.90 13.95





#91

1,2-Dichlorobenzene

Concen: 48.545 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

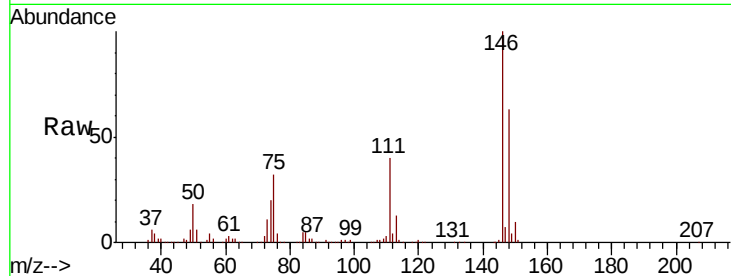
Tot Ion:146 Resp: 361159

Ion Ratio Lower Upper

146 100

111 40.9 20.3 61.0

148 64.3 32.4 97.2

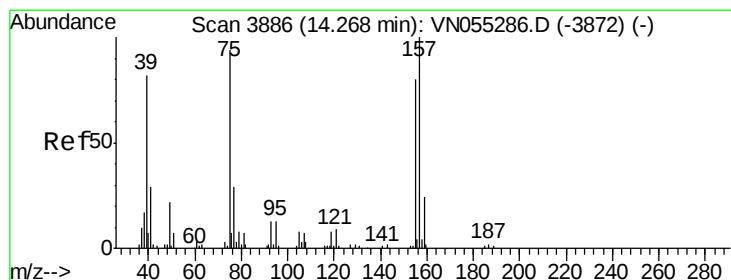
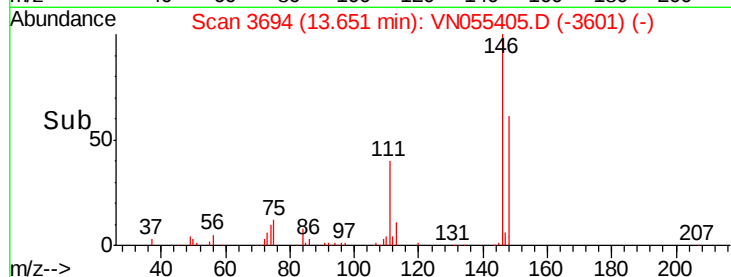
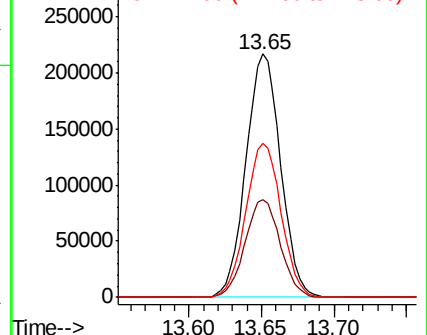


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.306 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

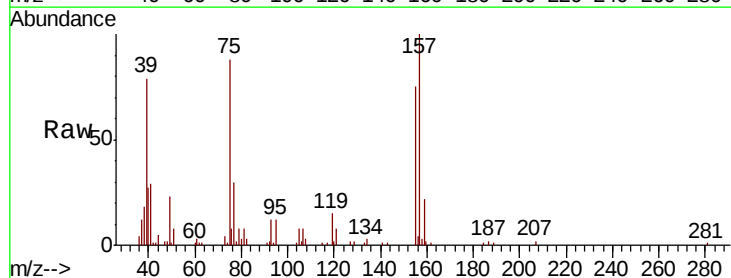
Tgt Ion: 75 Resp: 29098

Ion Ratio Lower Upper

75 100

155 83.8 41.5 124.6

157 107.9 54.0 162.2

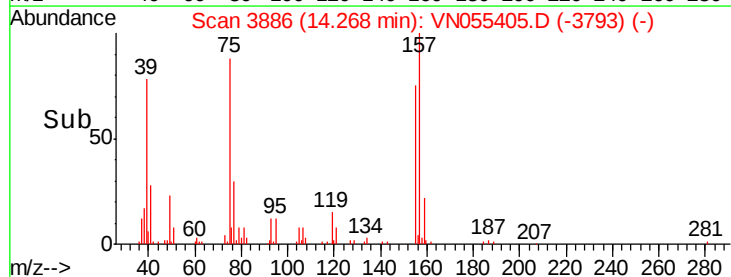
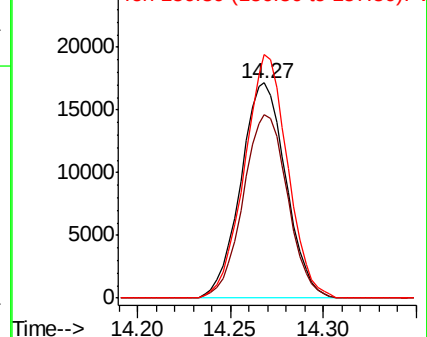


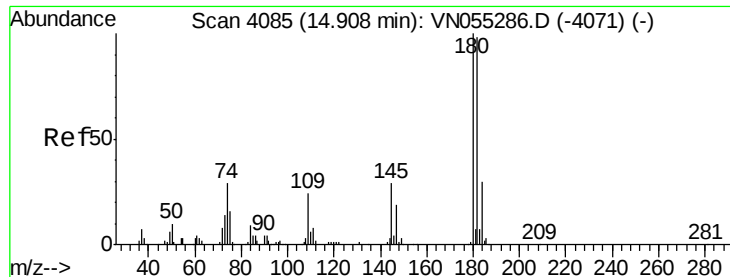
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

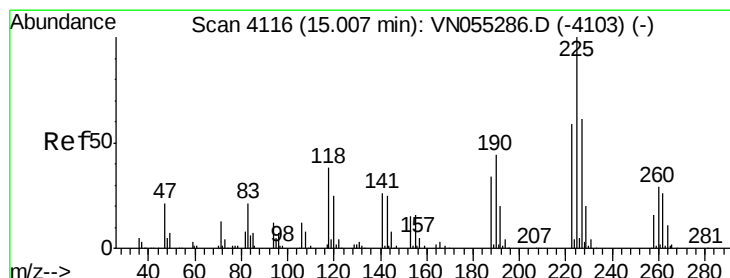
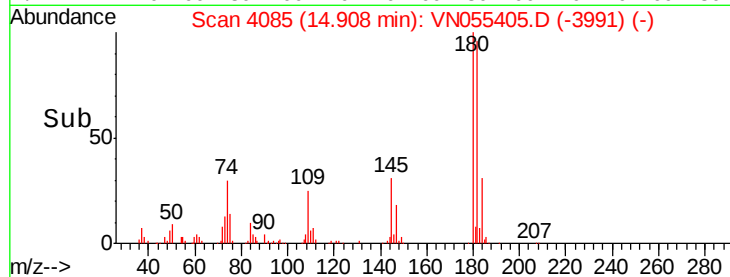
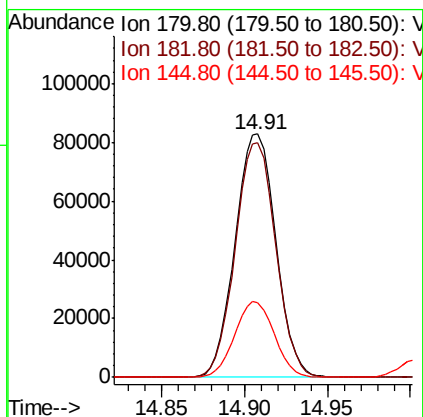
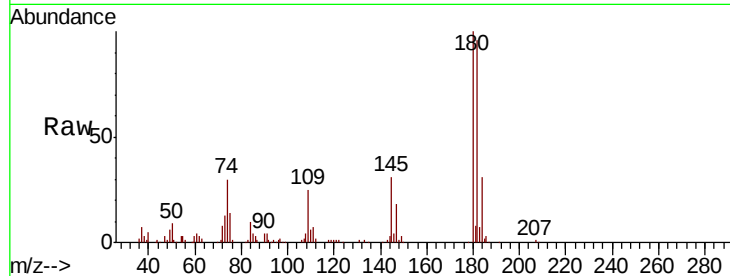




#93
 1,2,4-Trichlorobenzene
 Concen: 48.382 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

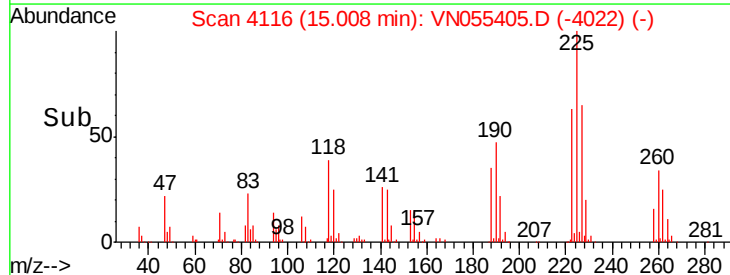
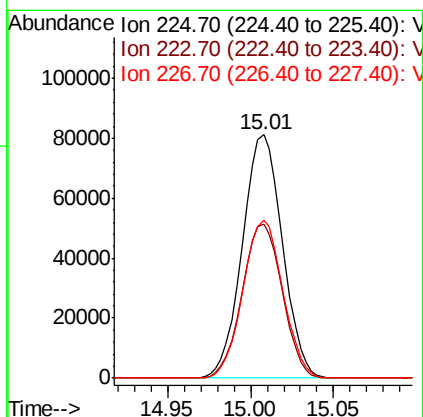
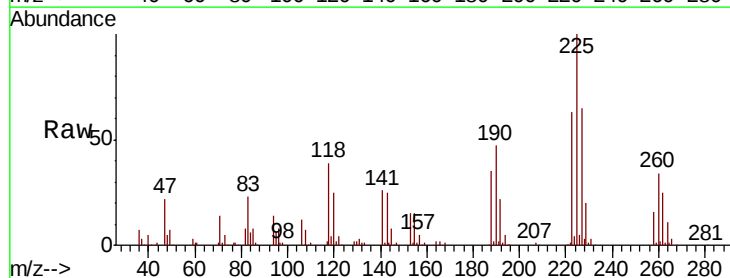
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 141569
 Ion Ratio Lower Upper
 180 100
 182 95.8 48.3 144.9
 145 30.3 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 61.529 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055405.D
 Acq: 6 May 2019 9:23

Tgt Ion:225 Resp: 136298
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.3 90.8
 227 64.7 30.9 92.7





#95

Naphthalene

Concen: 42.219 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

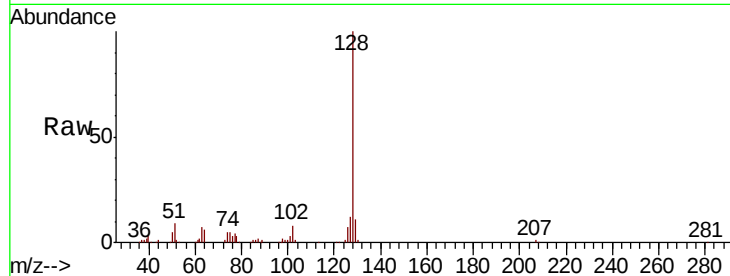
Tot Ion:128 Resp: 259780

Ion Ratio Lower Upper

128 100

127 12.8 10.7 16.1

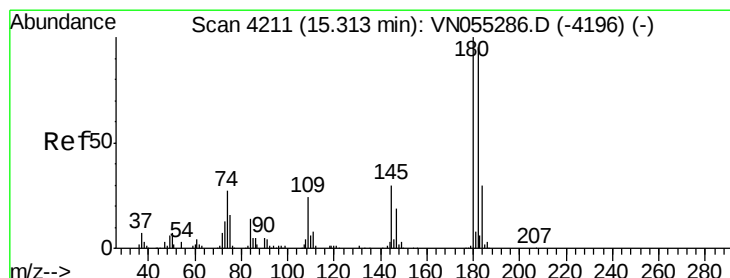
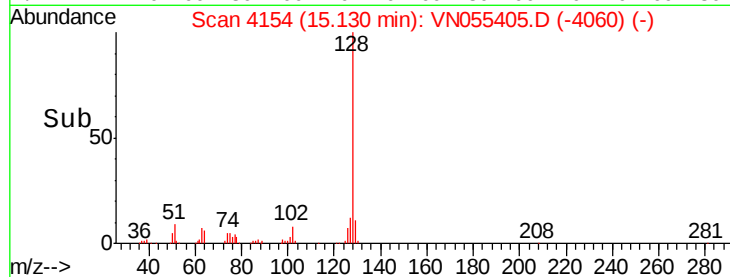
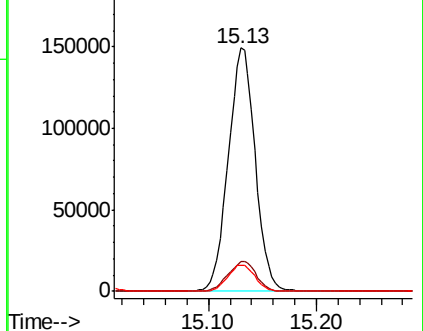
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.292 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055405.D

Acq: 6 May 2019 9:23

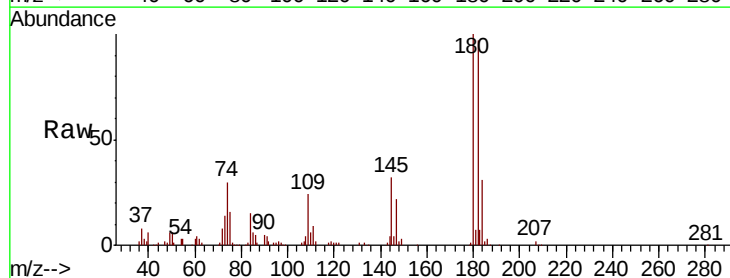
Tgt Ion:180 Resp: 139217

Ion Ratio Lower Upper

180 100

182 97.4 48.3 144.9

145 32.1 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

