

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090619\
 Data File : VN057703.D
 Acq On : 5 Sep 2019 18:10
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 06 02:24:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 02:20:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	199189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	338068	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	303094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	157139	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	25611	5.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.42%	
35) Dibromofluoromethane	7.58	113	15856	5.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.36%	
50) Toluene-d8	10.09	98	54653	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
62) 4-Bromofluorobenzene	12.40	95	24246	5.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.20%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	15612	4.981	ug/l 98
3) Chloromethane	2.04	50	26949	8.321	ug/l 97
4) Vinyl Chloride	2.17	62	14597	5.494	ug/l 99
5) Bromomethane	2.53	94	6240	4.180	ug/l 97
6) Chloroethane	2.68	64	8018	4.494	ug/l 99
7) Trichlorofluoromethane	3.00	101	21635	4.463	ug/l 98
8) Diethyl Ether	3.39	74	8952	5.281	ug/l # 48
9) 1,1,2-Trichlorotrifluoroet	3.74	101	14405	5.349	ug/l 98
10) Methyl Iodide	3.93	142	10783	3.468	ug/l 99
11) Tert butyl alcohol	4.76	59	14536	28.903	ug/l # 86
12) 1,1-Dichloroethene	3.72	96	13180	5.646	ug/l 94
13) Acrolein	3.59	56	7197	27.415	ug/l 90
14) Allyl chloride	4.30	41	28139	5.293	ug/l 98
15) Acrylonitrile	4.96	53	36218	28.057	ug/l 95
16) Acetone	3.80	43	36683	23.698	ug/l 95
17) Carbon Disulfide	4.03	76	26476	4.847	ug/l # 95
18) Methyl Acetate	4.31	43	22028	5.451	ug/l 97
19) Methyl tert-butyl Ether	5.02	73	54249	5.565	ug/l 99
20) Methylene Chloride	4.53	84	16689	5.579	ug/l 96
21) trans-1,2-Dichloroethene	5.01	96	13138	5.208	ug/l 92
22) Diisopropyl ether	5.93	45	61509	5.413	ug/l 95
23) Vinyl Acetate	5.87	43	239206	27.972	ug/l 99
24) 1,1-Dichloroethane	5.82	63	30569	5.319	ug/l 99
25) 2-Butanone	6.82	43	55666	27.211	ug/l 99
26) 2,2-Dichloropropane	6.80	77	26356	5.203	ug/l 99
27) cis-1,2-Dichloroethene	6.81	96	16829	5.545	ug/l 99
28) Bromochloromethane	7.17	49	9301	3.086	ug/l # 80
29) Tetrahydrofuran	7.19	42	35644	28.582	ug/l 99
30) Chloroform	7.36	83	32454	5.317	ug/l 98
31) Cyclohexane	7.64	56	32303	6.387	ug/l # 84
32) 1,1,1-Trichloroethane	7.55	97	25459	5.027	ug/l 99
36) 1,1-Dichloropropene	7.78	75	21728	5.123	ug/l 98
37) Ethyl Acetate	6.91	43	23346	5.397	ug/l # 91
38) Carbon Tetrachloride	7.76	117	20105	4.647	ug/l 98

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 Data File : VN057703.D
 Acq On : 5 Sep 2019 18:10
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 06 02:24:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 02:20:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	23034	4.891	ug/l	97
40) Benzene	8.03	78	63257	5.127	ug/l	99
41) Methacrylonitrile	7.17	41	16254	9.006	ug/l #	45
42) 1,2-Dichloroethane	8.11	62	31492	5.548	ug/l	98
43) Isopropyl Acetate	8.15	43	42182	5.308	ug/l	99
44) Trichloroethene	8.83	130	13524	4.580	ug/l	85
45) 1,2-Dichloropropane	9.11	63	18367	5.330	ug/l	96
46) Dibromomethane	9.20	93	10893	4.853	ug/l	98
47) Bromodichloromethane	9.40	83	21773	4.689	ug/l	97
48) Methyl methacrylate	9.19	41	21040	5.484	ug/l	99
49) 1,4-Dioxane	9.19	88	4996	91.970	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	119458	27.239	ug/l	99
52) Toluene	10.15	92	38378	5.022	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	21591	4.547	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	24664	4.761	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	16323	5.362	ug/l	96
56) Ethyl methacrylate	10.43	69	24737	5.286	ug/l	97
57) 1,3-Dichloropropane	10.70	76	28782	5.357	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	61972	37.268	ug/l	97
59) 2-Hexanone	10.75	43	83131	27.040	ug/l	97
60) Dibromochloromethane	10.90	129	13020	4.358	ug/l	100
61) 1,2-Dibromoethane	11.00	107	15066	5.054	ug/l	96
64) Tetrachloroethene	10.63	164	11449	4.365	ug/l	92
65) Chlorobenzene	11.43	112	39815	5.180	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	12474	4.465	ug/l	98
67) Ethyl Benzene	11.51	91	77219	5.262	ug/l	99
68) m/p-Xylenes	11.62	106	50228	9.937	ug/l	90
69) o-Xylene	11.95	106	25456	5.054	ug/l	93
70) Styrene	11.96	104	43341	5.401	ug/l	99
71) Bromoform	12.13	173	7346	4.206	ug/l #	97
73) Isopropylbenzene	12.25	105	73311	3.890	ug/l	100
74) N-amyl acetate	12.07	43	32358	4.132	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	20877	4.086	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	27620	6.400	ug/l #	100
77) Bromobenzene	12.53	156	15535	3.863	ug/l	97
78) n-propylbenzene	12.59	91	83238	4.048	ug/l	99
79) 2-Chlorotoluene	12.68	91	52899	4.170	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	60711	3.957	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	4976	3.928	ug/l	95
82) 4-Chlorotoluene	12.78	91	54817	4.562	ug/l	99
83) tert-Butylbenzene	12.99	119	51199	3.792	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	59512	4.236	ug/l	99
85) sec-Butylbenzene	13.17	105	71087	4.182	ug/l	98
86) p-Isopropyltoluene	13.29	119	59662	4.256	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	28236	5.101	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	28496	5.055	ug/l	93
89) n-Butylbenzene	13.62	91	57406	4.688	ug/l	95
90) Hexachloroethane	13.88	117	7811	3.131	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	28181	5.355	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	3996	5.306	ug/l	94

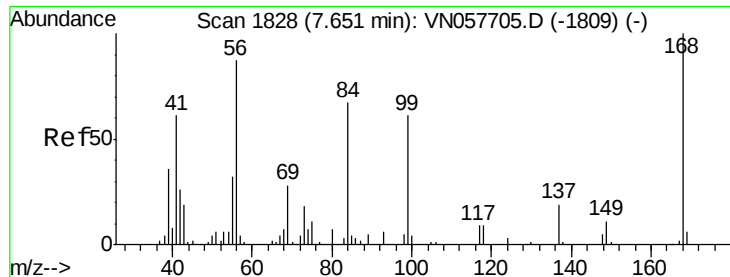
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090619\
Data File : VN057703.D
Acq On : 5 Sep 2019 18:10
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Sep 06 02:24:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 02:20:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	15931	8.271	ug/l	94
94) Hexachlorobutadiene	15.01	225	8696	4.082	ug/l	93
95) Naphthalene	15.13	128	46002	9.102	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	14917	8.293	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

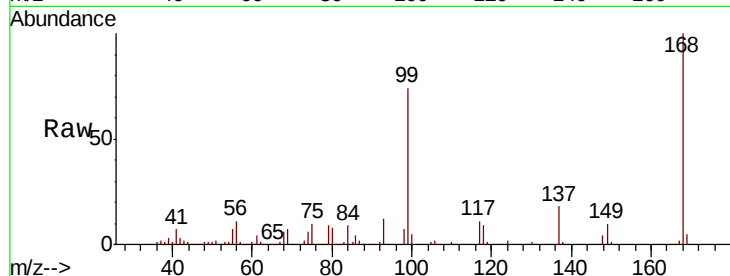
VSTDIC005

Tgt Ion: 168 Resp: 199189

Ion Ratio Lower Upper

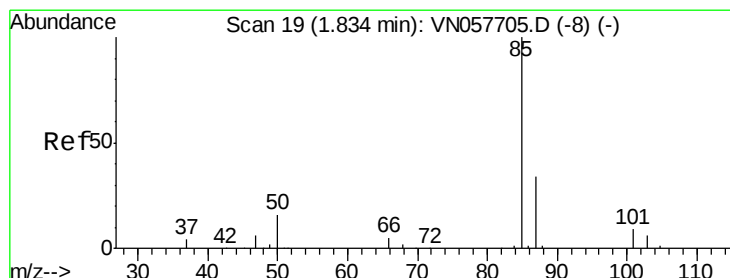
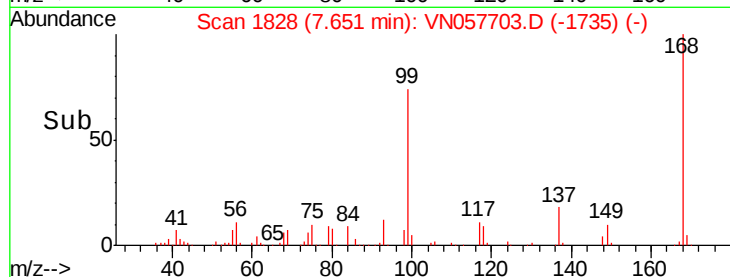
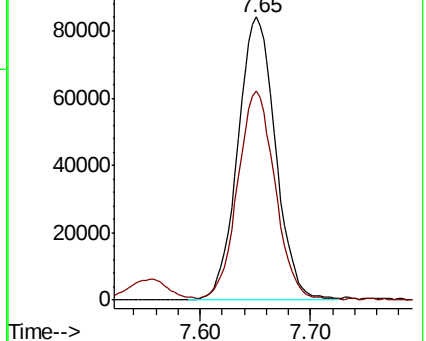
168 100

99 73.4 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 4.981 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057703.D

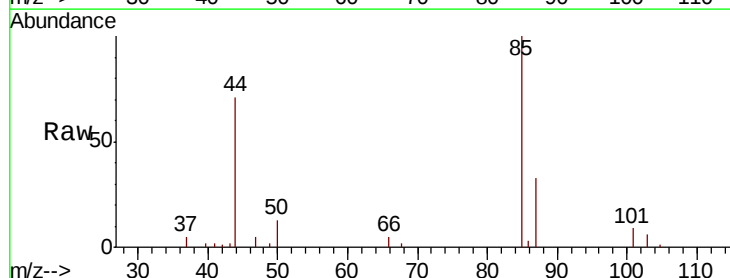
Acq: 5 Sep 2019 18:10

Tgt Ion: 85 Resp: 15612

Ion Ratio Lower Upper

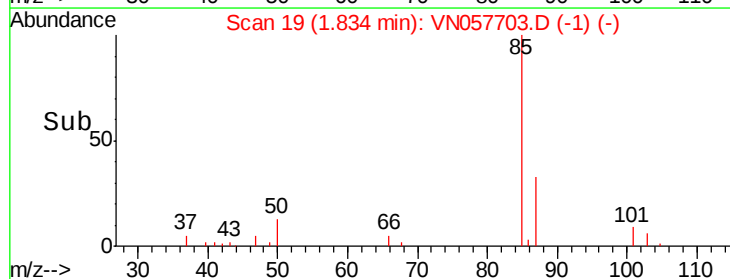
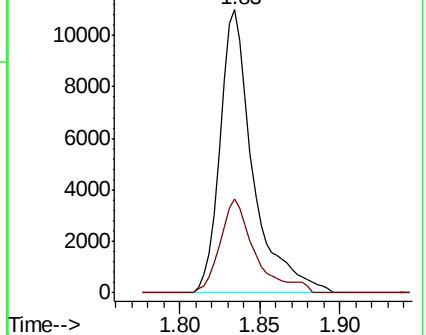
85 100

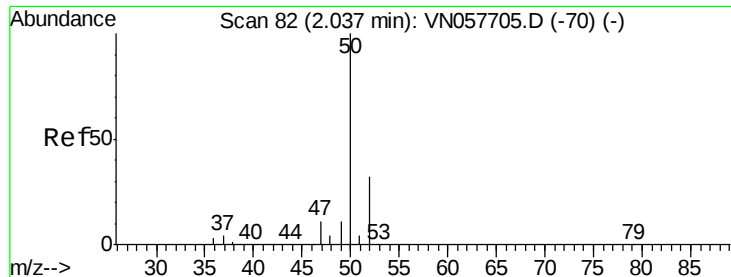
87 33.1 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 8.321 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

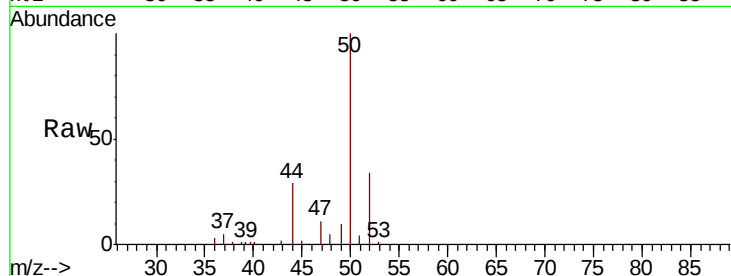
VSTDIC005

Tgt Ion: 50 Resp: 26949

Ion Ratio Lower Upper

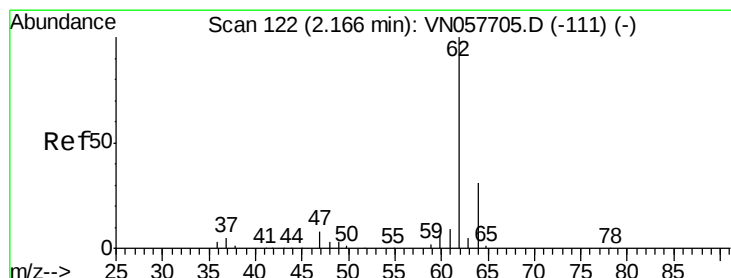
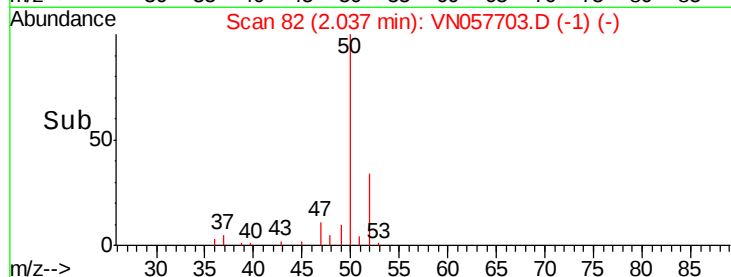
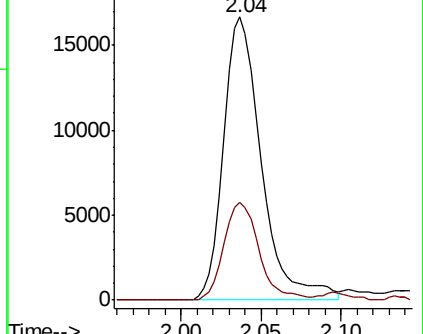
50 100

52 34.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 5.494 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN057703.D

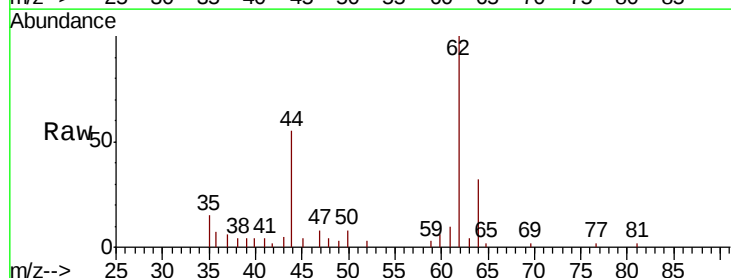
Acq: 5 Sep 2019 18:10

Tgt Ion: 62 Resp: 14597

Ion Ratio Lower Upper

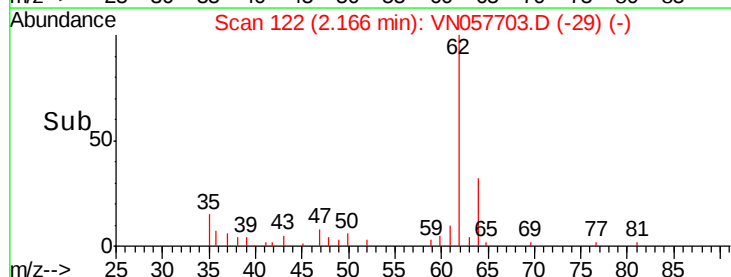
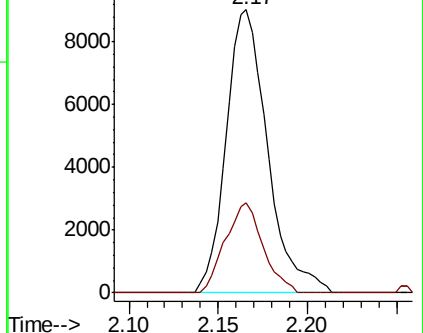
62 100

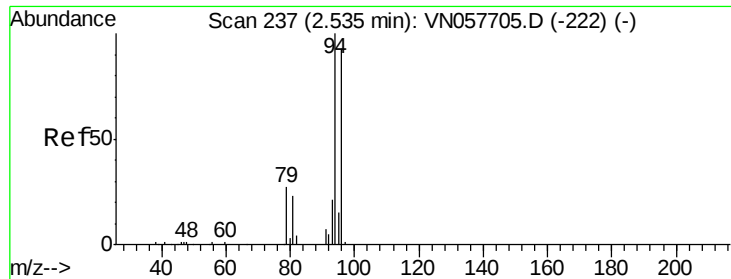
64 31.9 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 4.180 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

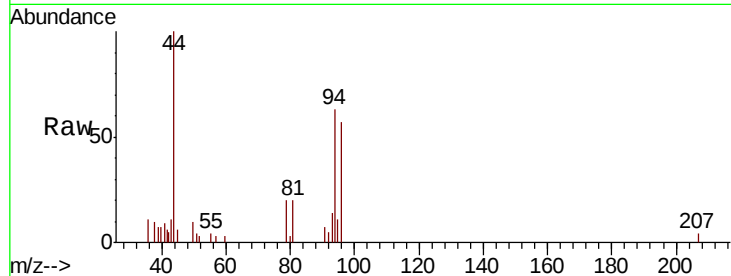
VSTDIC005

Tgt Ion: 94 Resp: 6240

Ion Ratio Lower Upper

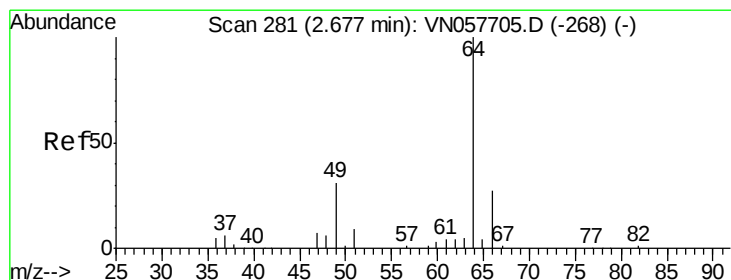
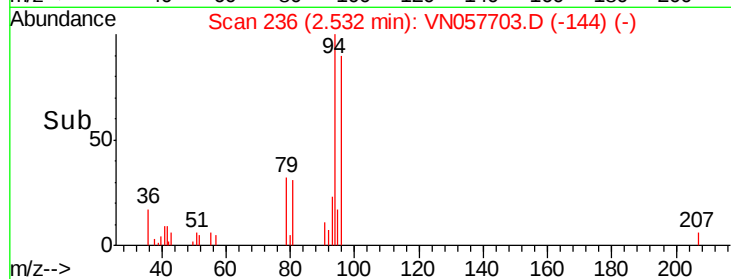
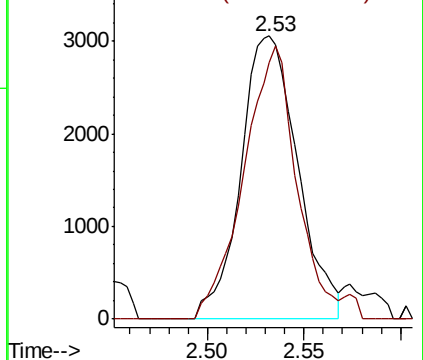
94 100

96 90.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 4.494 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057703.D

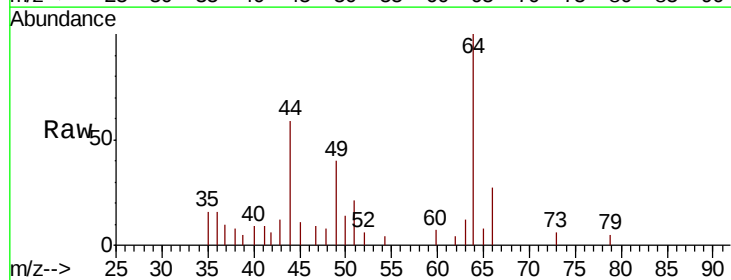
Acq: 5 Sep 2019 18:10

Tgt Ion: 64 Resp: 8018

Ion Ratio Lower Upper

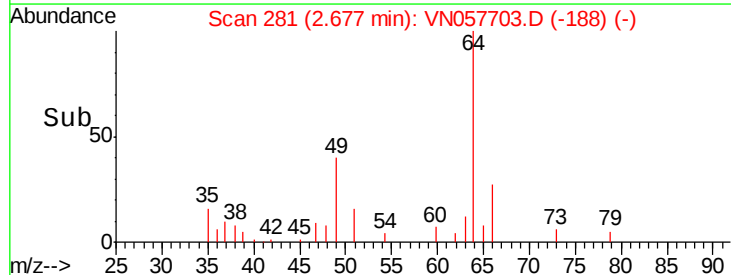
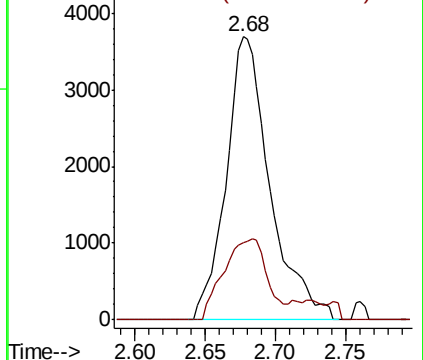
64 100

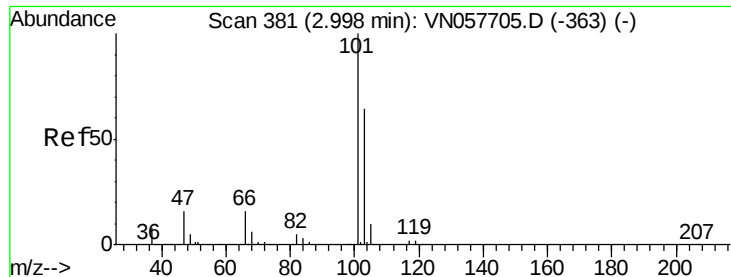
66 27.1 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



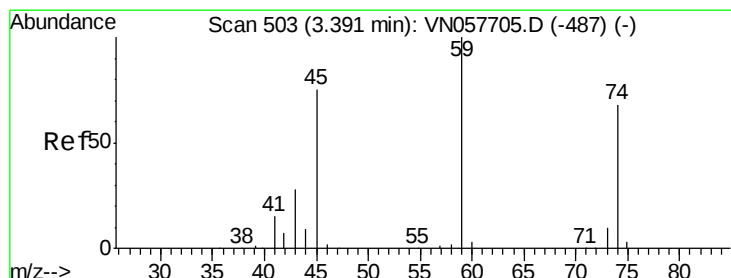
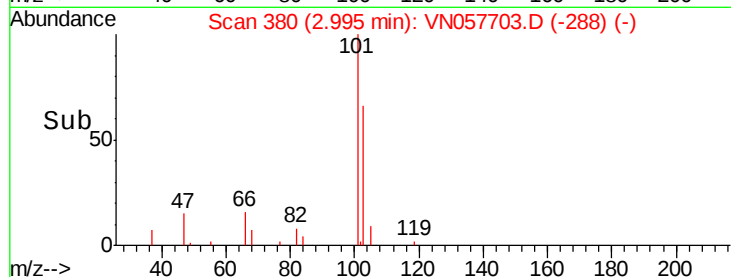
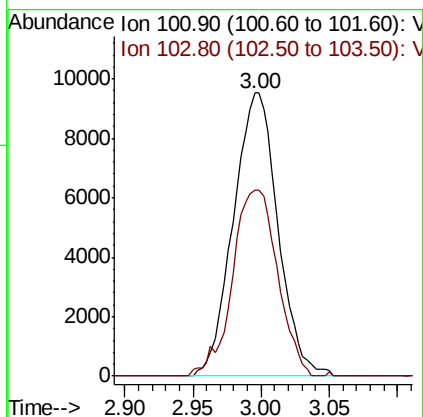
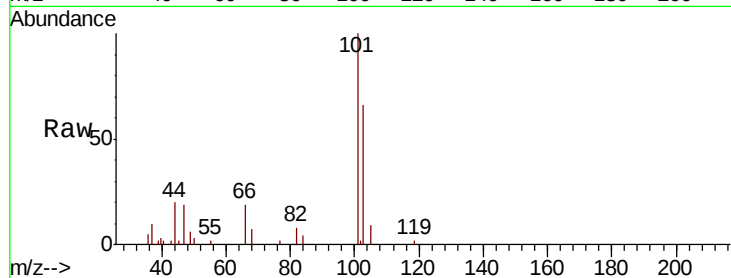


#7

Trichlorofluoromethane
 Concen: 4.463 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

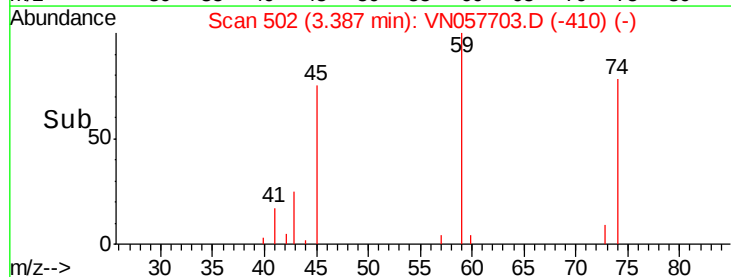
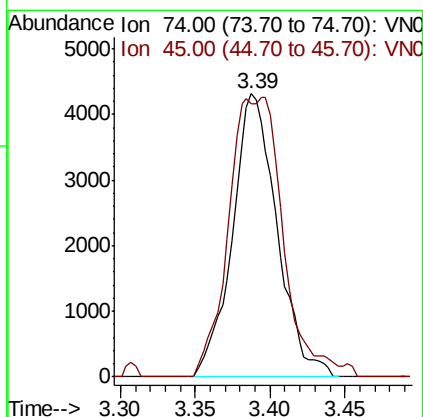
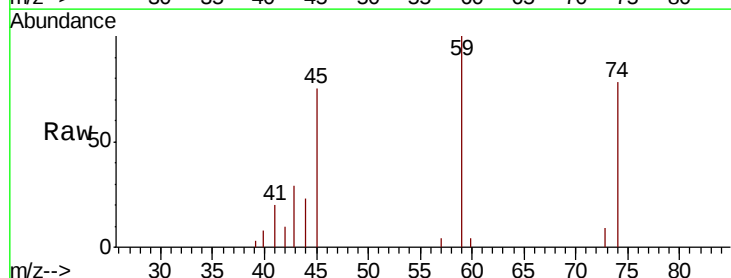
Tgt Ion:101 Resp: 21635
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.4 77.0

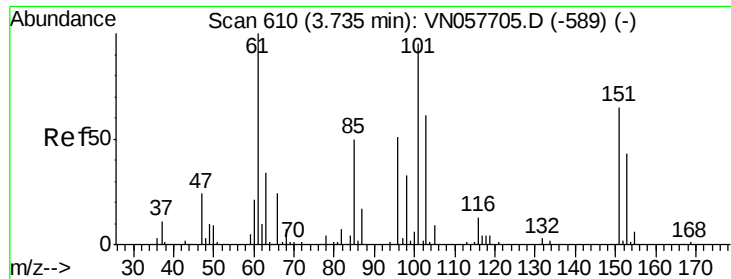


#8

Diethyl Ether
 Concen: 5.281 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion: 74 Resp: 8952
 Ion Ratio Lower Upper
 74 100
 45 55.3 55.4 166.0#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.349 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

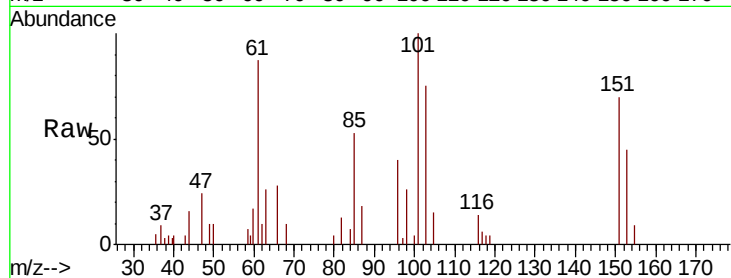
Tgt Ion:101 Resp: 14405

Ion Ratio Lower Upper

101 100

85 50.6 42.8 64.2

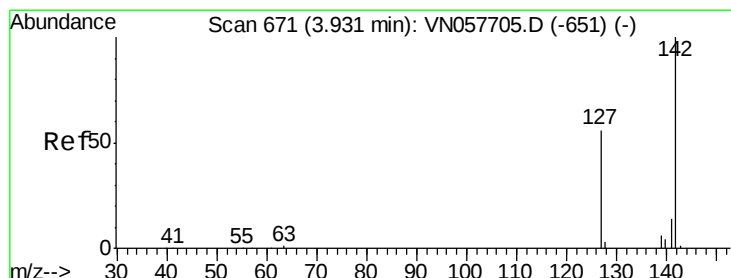
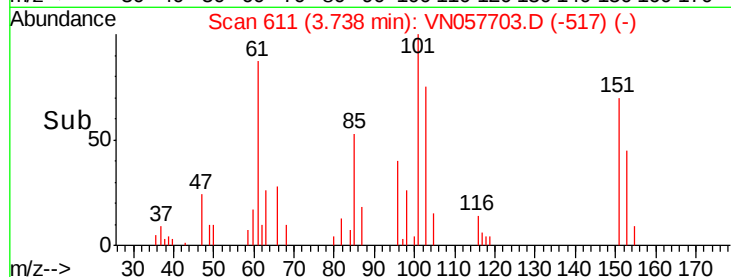
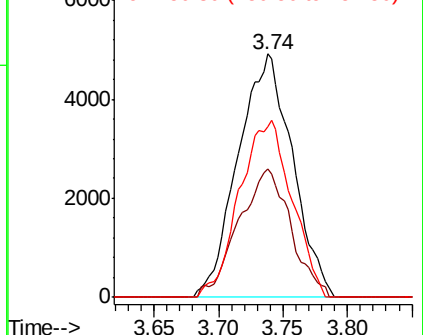
151 70.2 55.5 83.3



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: 3.468 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

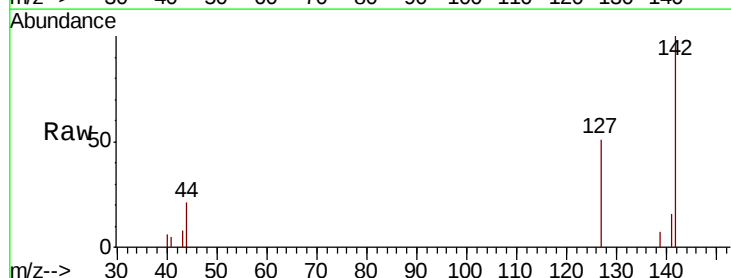
Tgt Ion:142 Resp: 10783

Ion Ratio Lower Upper

142 100

127 52.7 42.1 63.1

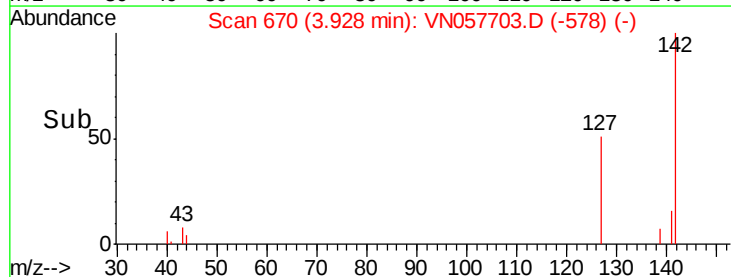
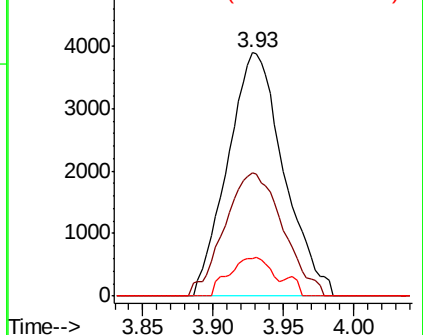
141 11.9 11.0 16.4

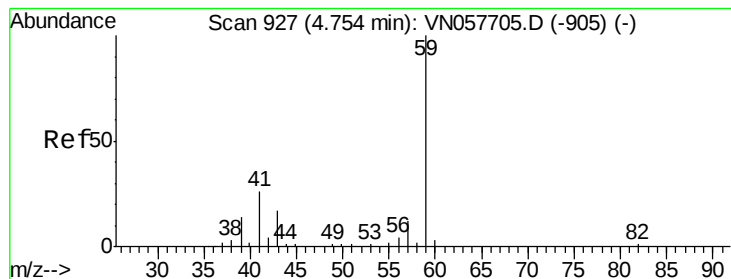


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



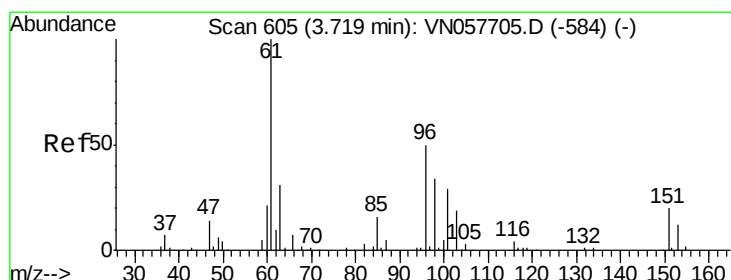
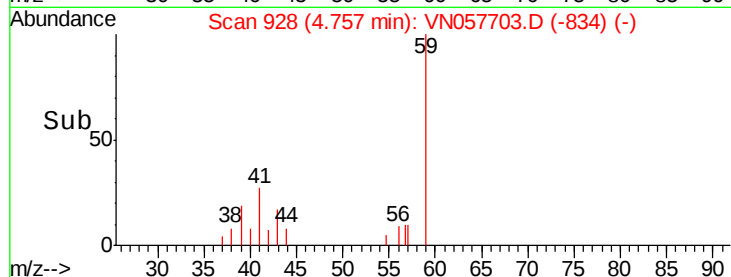
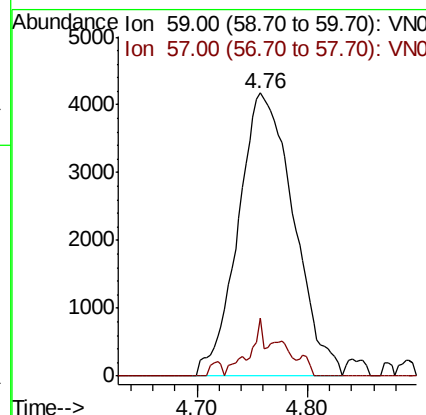
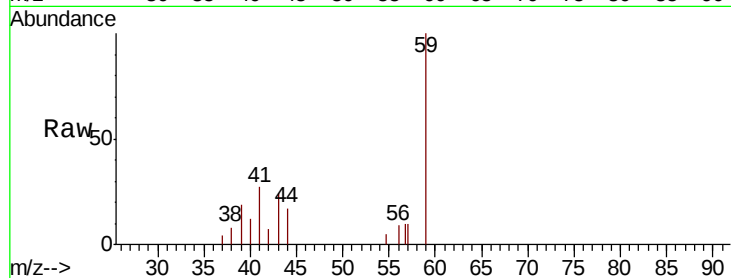


#11

Tert butyl alcohol
 Concen: 28.903 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

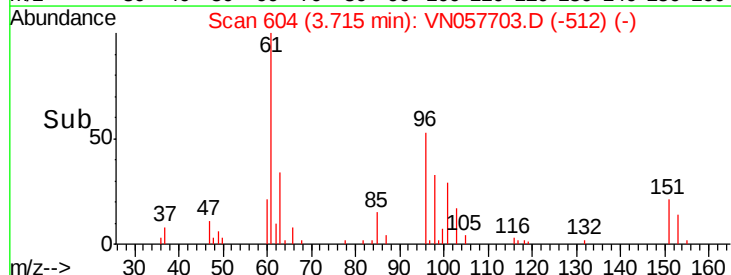
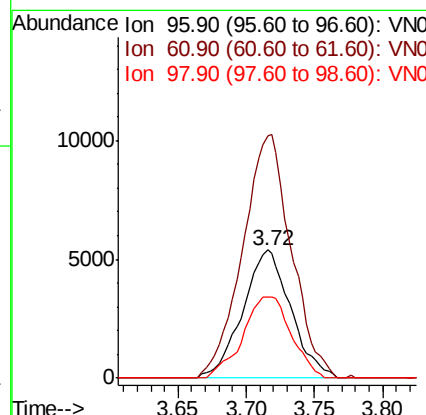
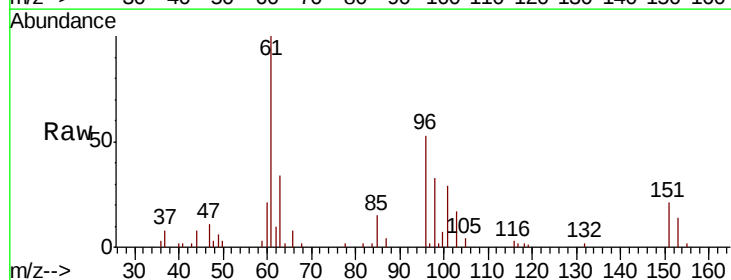
Tgt Ion: 59 Resp: 14536
 Ion Ratio Lower Upper
 59 100
 57 5.6 8.9 13.3#

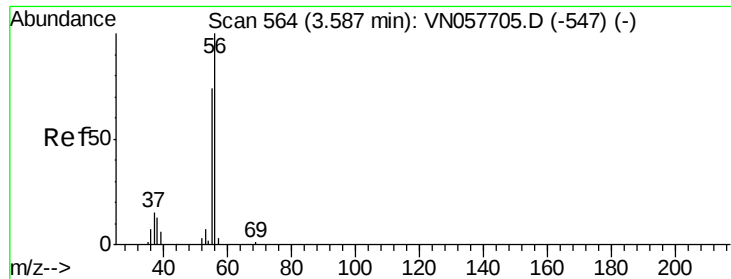


#12

1,1-Dichloroethene
 Concen: 5.646 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion: 96 Resp: 13180
 Ion Ratio Lower Upper
 96 100
 61 188.8 158.7 238.1
 98 63.0 53.8 80.8





#13

Acrolein

Concen: 27.415 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

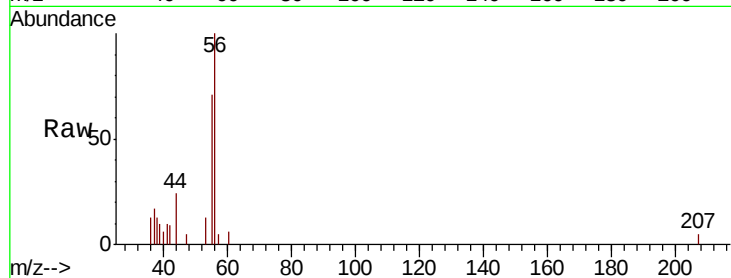
VSTDIC005

Tgt Ion: 56 Resp: 7197

Ion Ratio Lower Upper

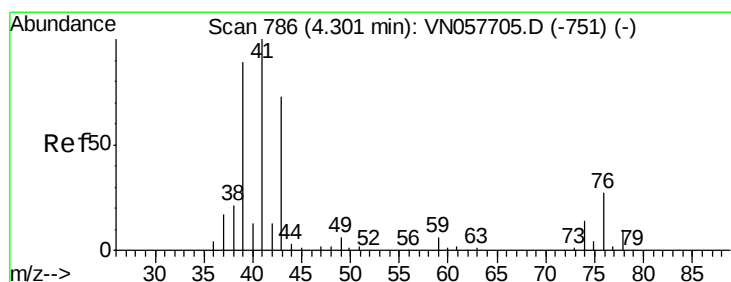
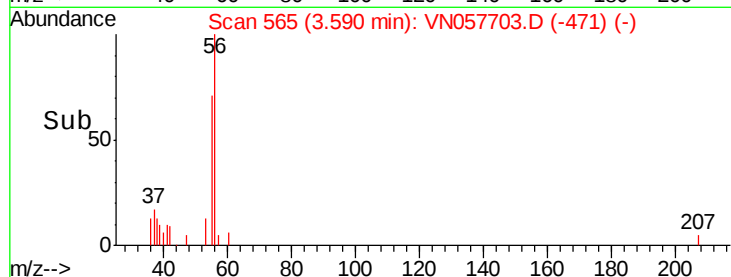
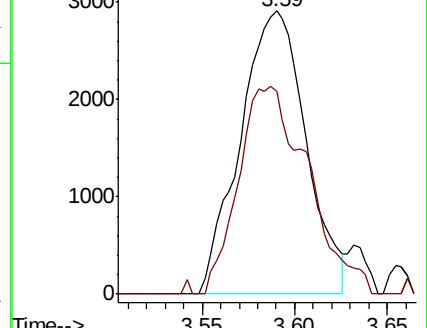
56 100

55 77.7 55.4 83.0



Abundance Ion 56.00 (55.70 to 56.70): VN057703.D (-547) (-)

Ion 55.00 (54.70 to 55.70): VN057703.D (-547) (-)



#14

Allyl chloride

Concen: 5.293 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

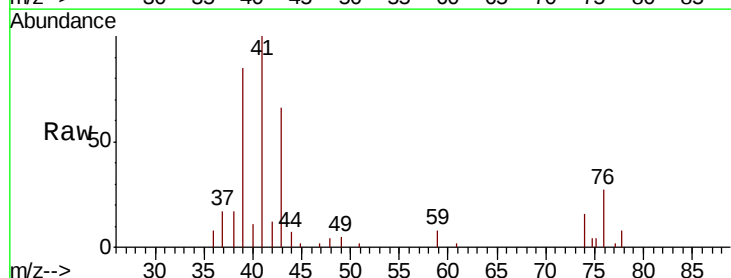
Tgt Ion: 41 Resp: 28139

Ion Ratio Lower Upper

41 100

39 82.4 67.5 101.3

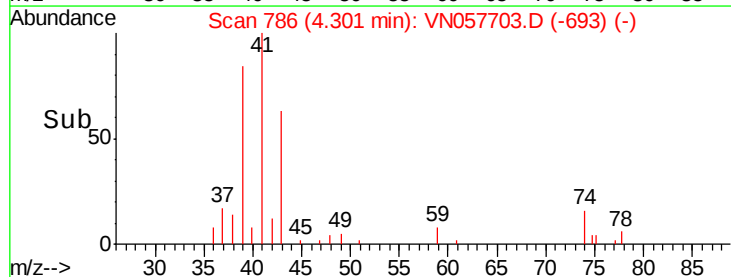
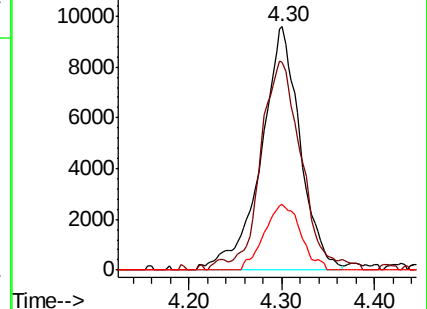
76 25.2 21.4 32.2

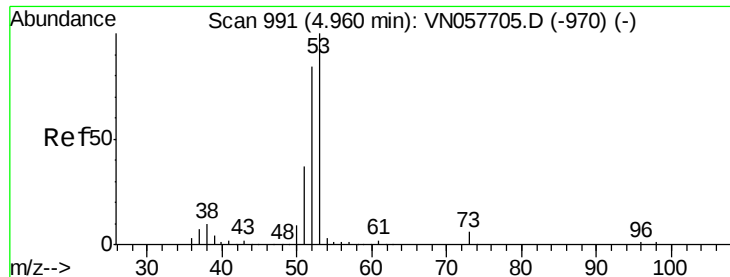


Abundance Ion 41.00 (40.70 to 41.70): VN057703.D (-693) (-)

Ion 39.00 (38.70 to 39.70): VN057703.D (-693) (-)

Ion 75.90 (75.60 to 76.60): VN057703.D (-693) (-)





#15

Acrylonitrile

Concen: 28.057 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

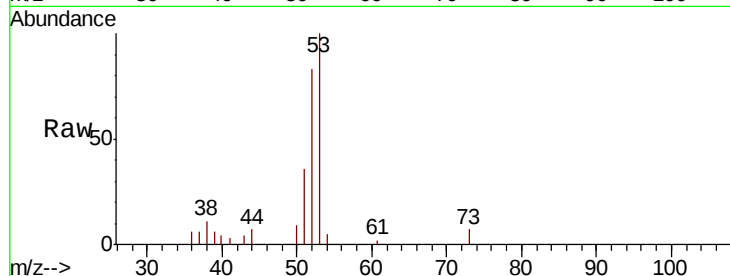
Tgt Ion: 53 Resp: 36218

Ion Ratio Lower Upper

53 100

52 79.9 68.1 102.1

51 39.3 30.4 45.6

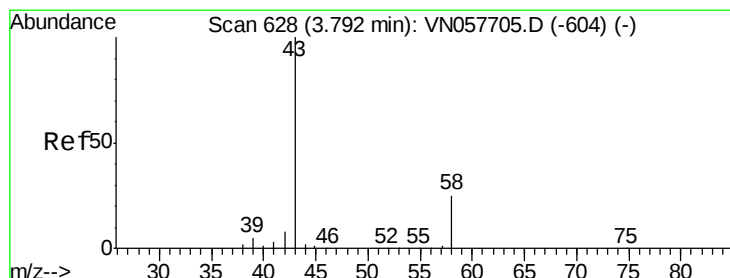
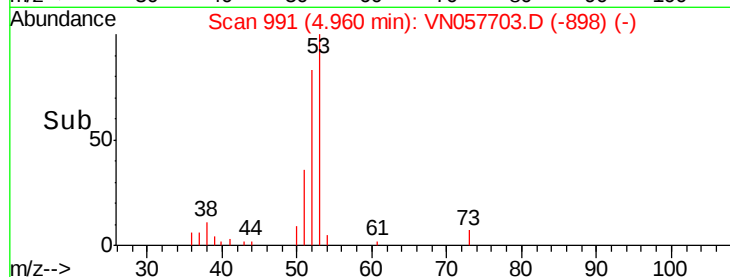


Abundance Ion 53.00 (52.70 to 53.70): VN057703.D (-898) (-)

Ion 52.00 (51.70 to 52.70): VN057703.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VN057703.D (-898) (-)

Time-->



#16

Acetone

Concen: 23.698 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057703.D

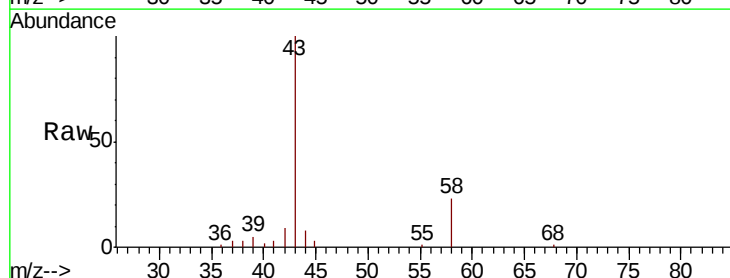
Acq: 5 Sep 2019 18:10

Tgt Ion: 43 Resp: 36683

Ion Ratio Lower Upper

43 100

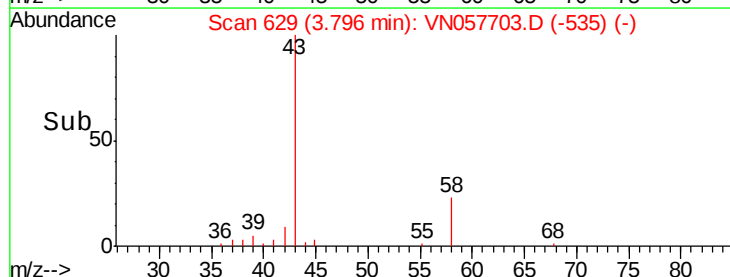
58 22.2 19.8 29.8

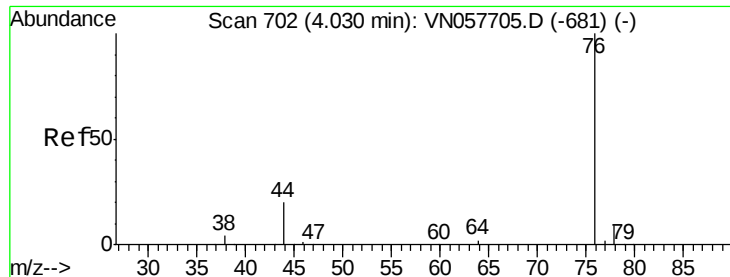


Abundance Ion 43.00 (42.70 to 43.70): VN057703.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN057703.D (-535) (-)

Time-->

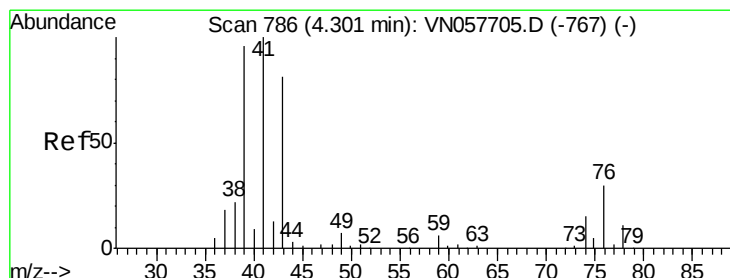
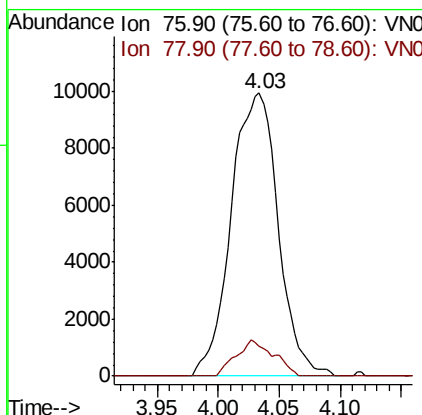
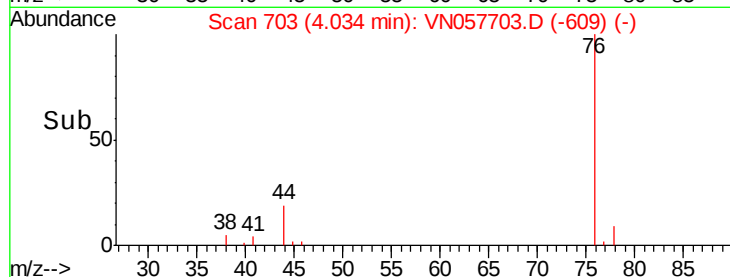
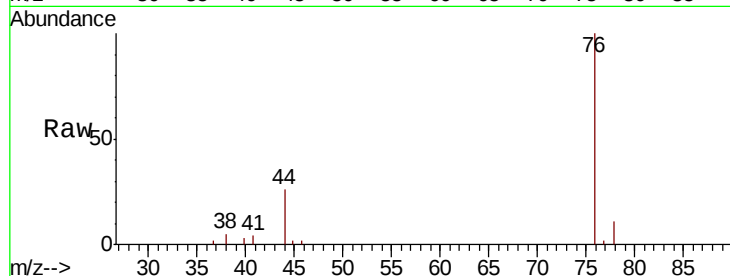




#17
Carbon Disulfide
Concen: 4.847 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

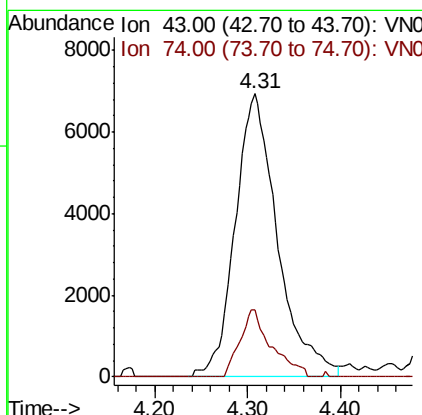
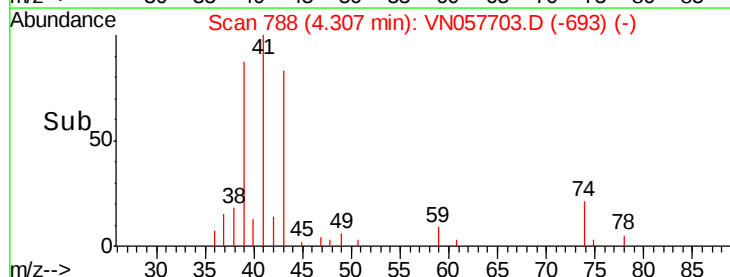
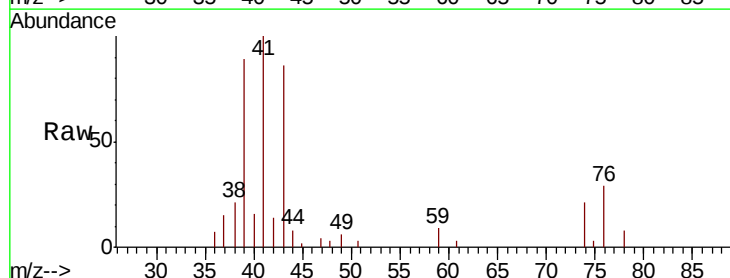
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

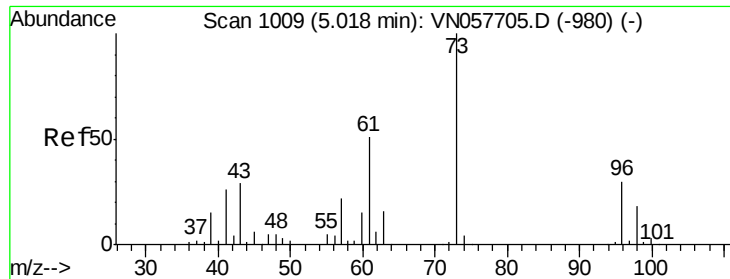
Tgt Ion: 76 Resp: 26476
Ion Ratio Lower Upper
76 100
78 10.7 7.0 10.6#



#18
Methyl Acetate
Concen: 5.451 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 43 Resp: 22028
Ion Ratio Lower Upper
43 100
74 17.8 15.3 22.9

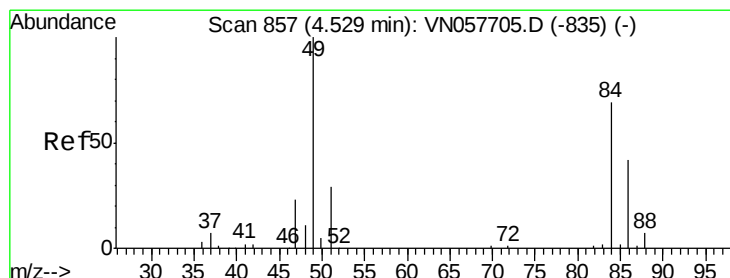
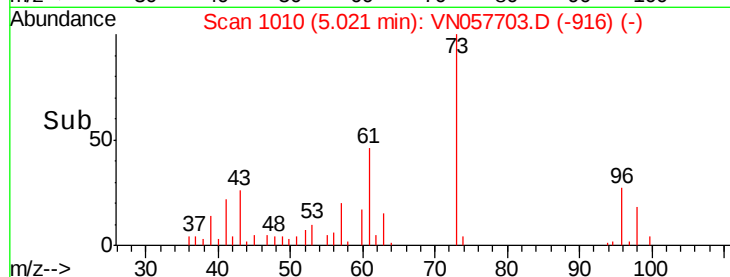
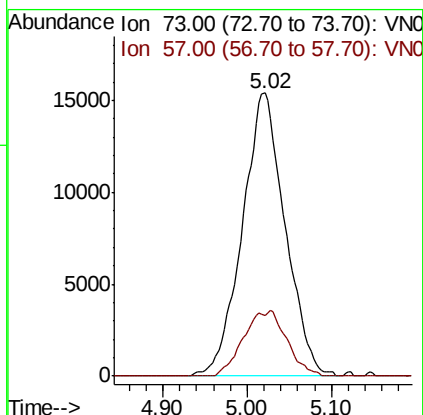
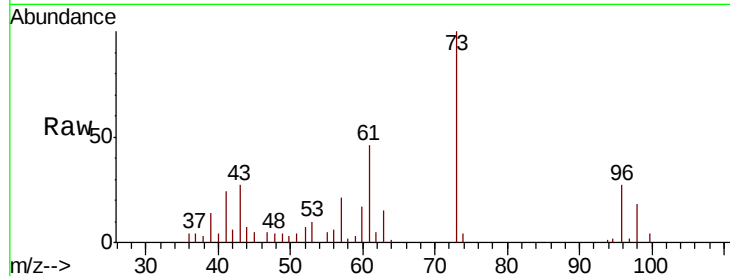




#19
Methyl tert-butyl Ether
Concen: 5.565 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

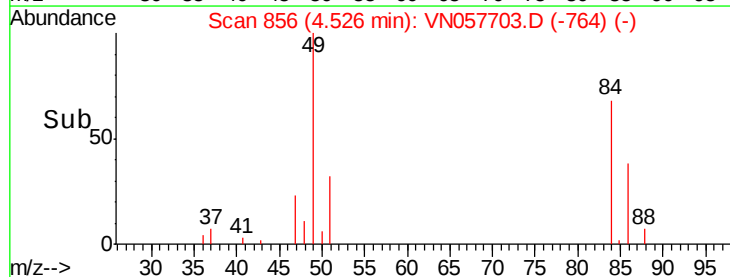
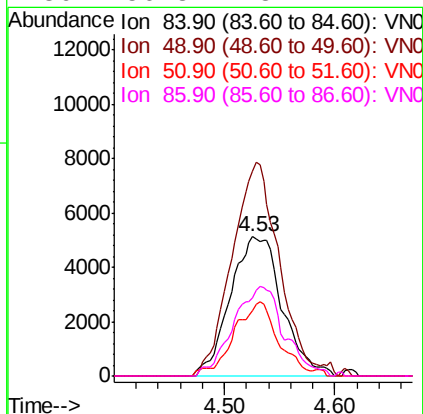
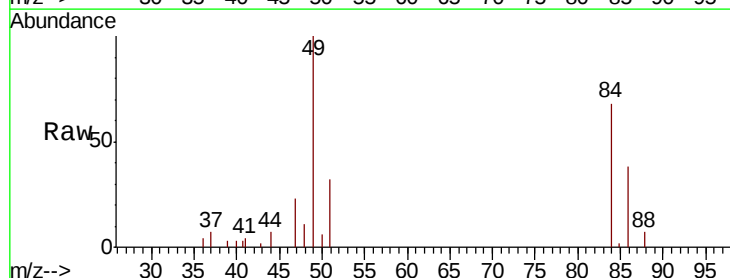
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

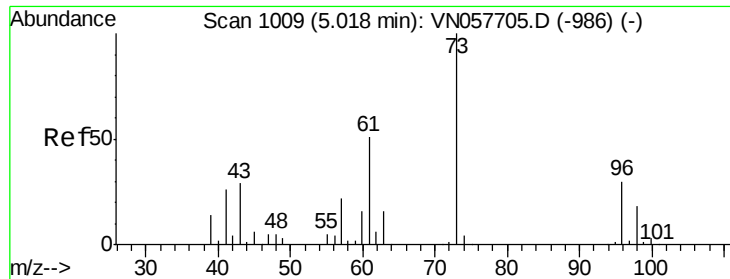
Tgt Ion: 73 Resp: 54249
Ion Ratio Lower Upper
73 100
57 21.4 17.7 26.5



#20
Methylene Chloride
Concen: 5.579 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 84 Resp: 16689
Ion Ratio Lower Upper
84 100
49 146.8 115.0 172.6
51 47.1 33.8 50.8
86 56.3 48.2 72.2

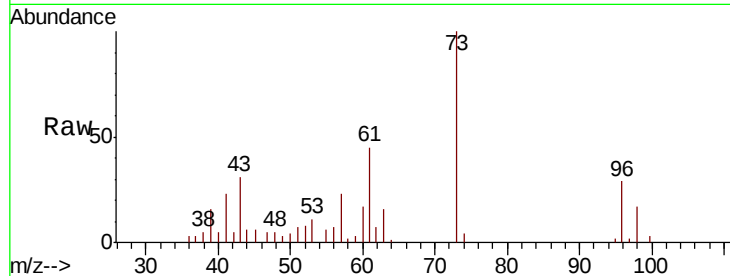




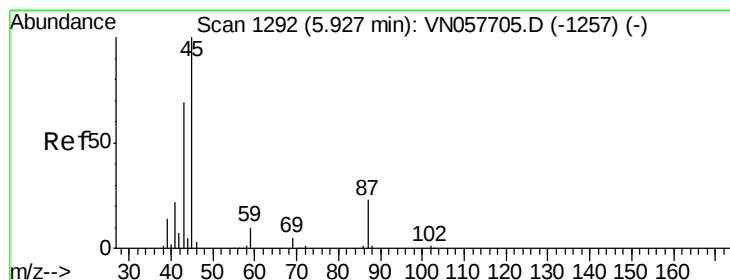
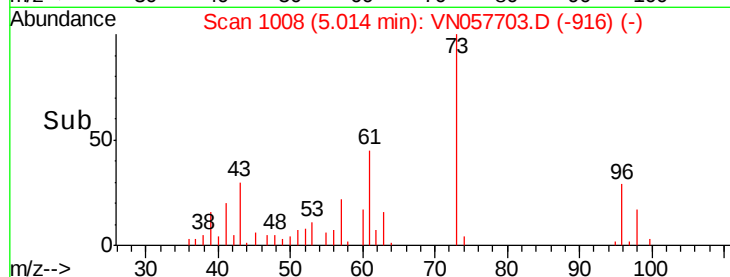
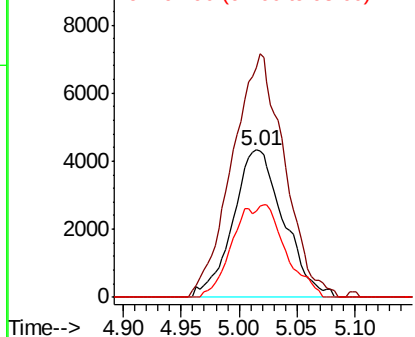
#21
trans-1,2-Dichloroethene
Concen: 5.208 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 13138
Ion Ratio Lower Upper
96 100
61 156.1 135.8 203.8
98 58.6 49.0 73.6

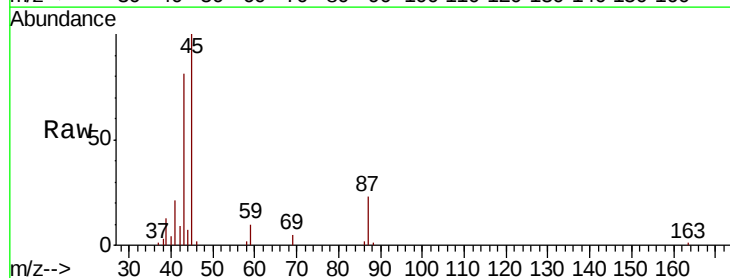


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

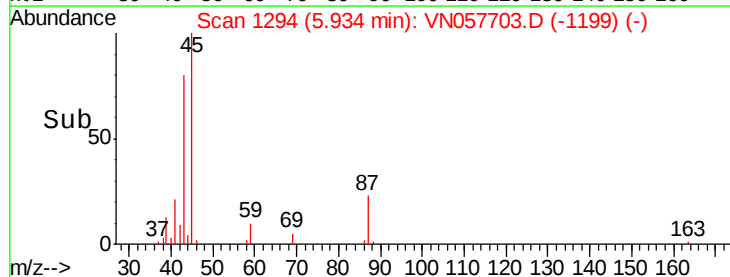
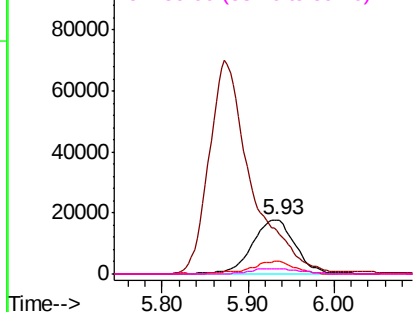


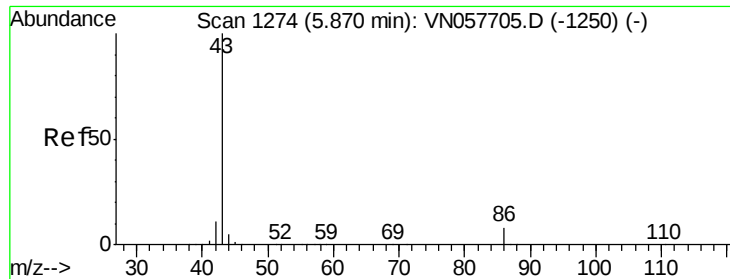
#22
Diisopropyl ether
Concen: 5.413 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 45 Resp: 61509
Ion Ratio Lower Upper
45 100
43 75.6 55.5 83.3
87 23.3 18.6 28.0
59 10.3 7.9 11.9



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

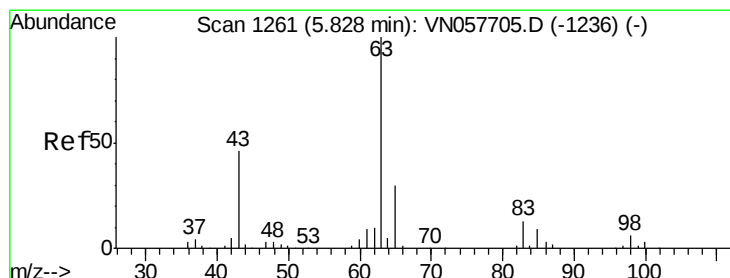
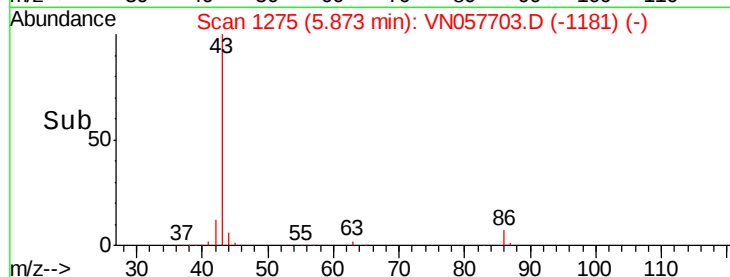
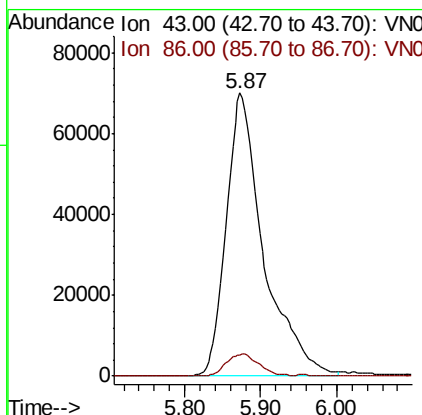
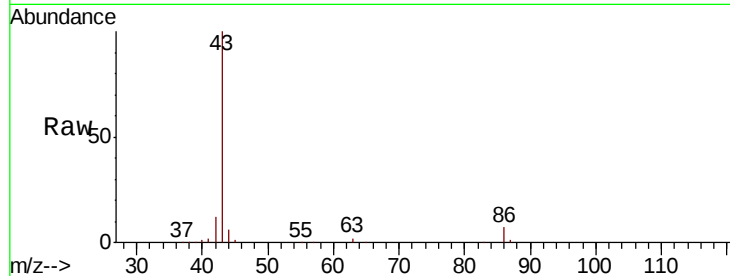




#23
 Vinyl Acetate
 Concen: 27.972 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

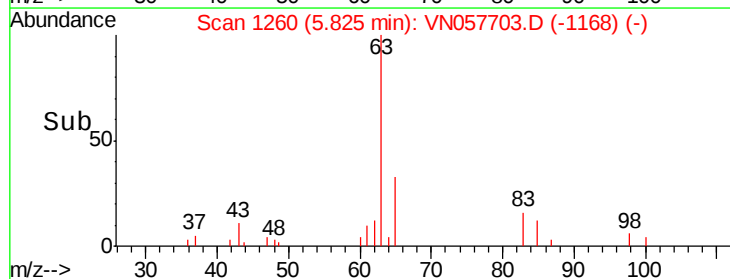
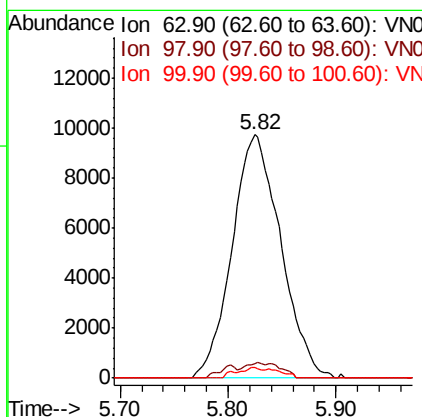
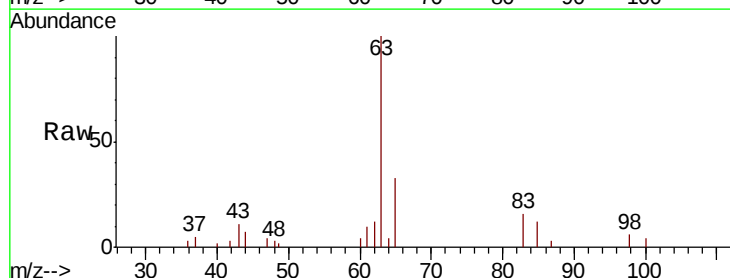
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

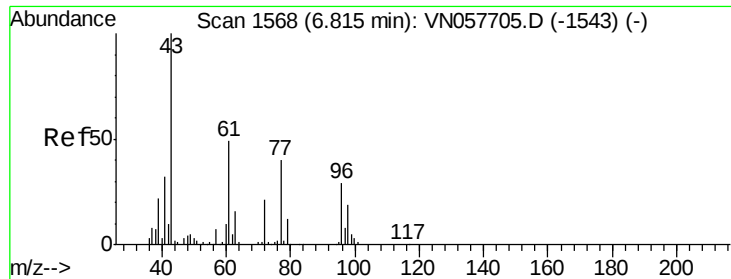
Tgt Ion: 43 Resp: 239206
 Ion Ratio Lower Upper
 43 100
 86 7.4 6.2 9.4



#24
 1,1-Dichloroethane
 Concen: 5.319 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion: 63 Resp: 30569
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.8
 100 4.4 1.7 5.0

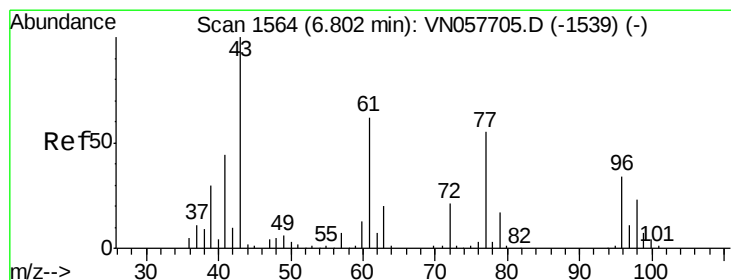
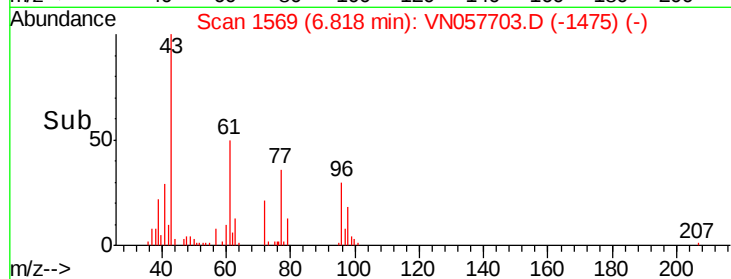
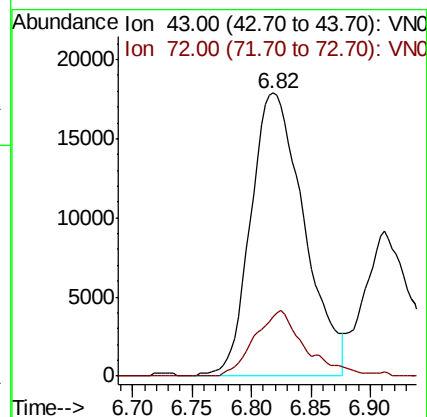
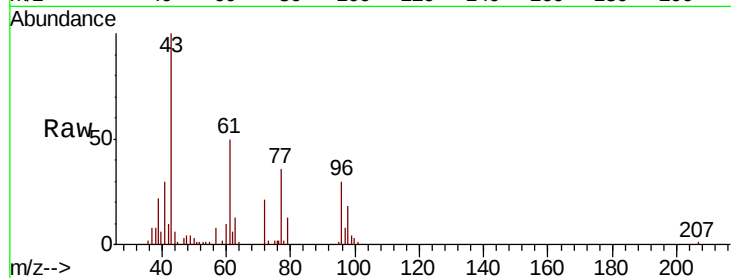




#25
2-Butanone
Concen: 27.211 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

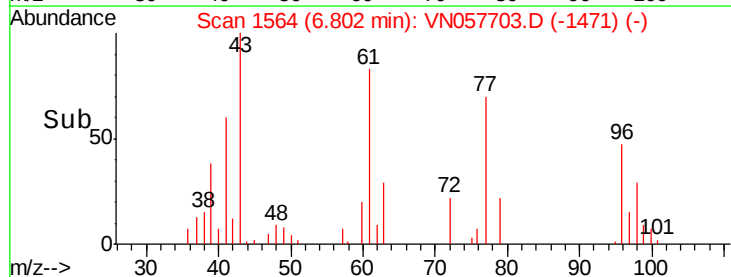
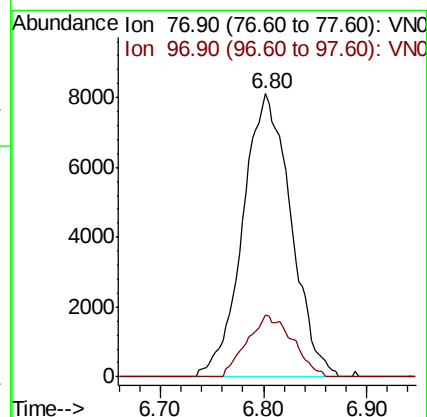
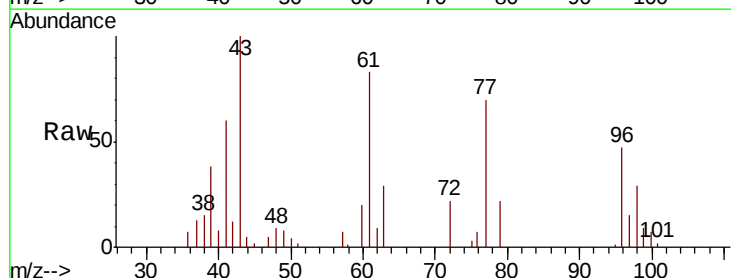
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

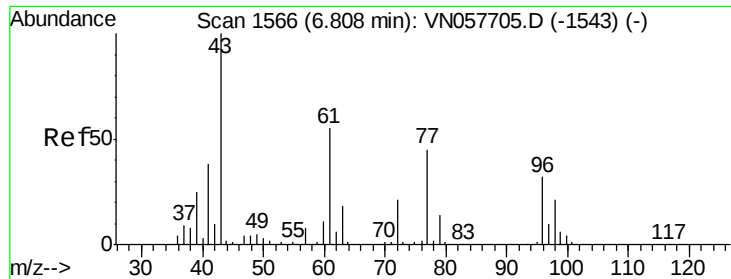
Tgt Ion: 43 Resp: 55666
Ion Ratio Lower Upper
43 100
72 20.8 17.0 25.6



#26
2,2-Dichloropropane
Concen: 5.203 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 77 Resp: 26356
Ion Ratio Lower Upper
77 100
97 20.6 10.1 30.1

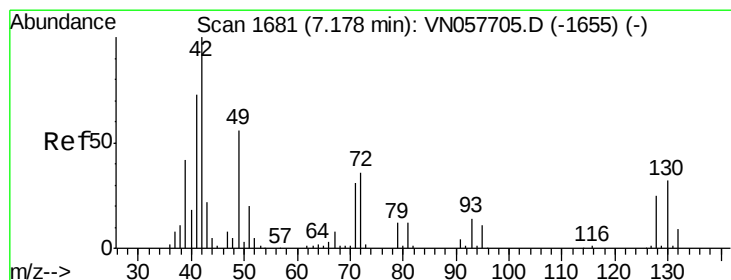
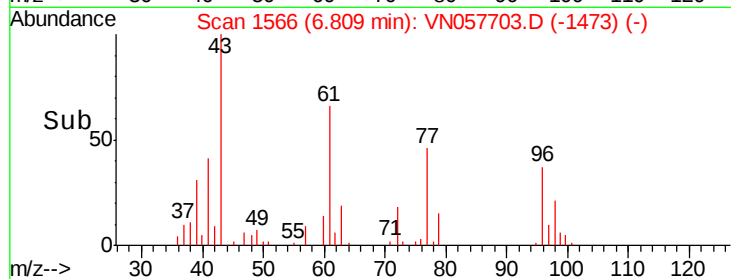
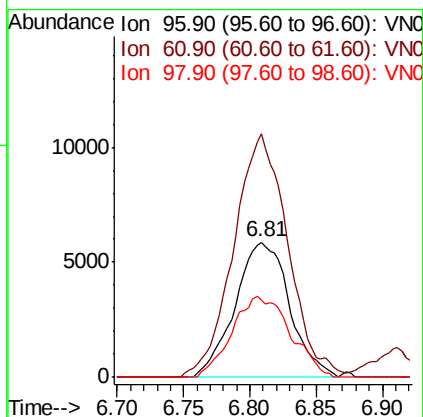
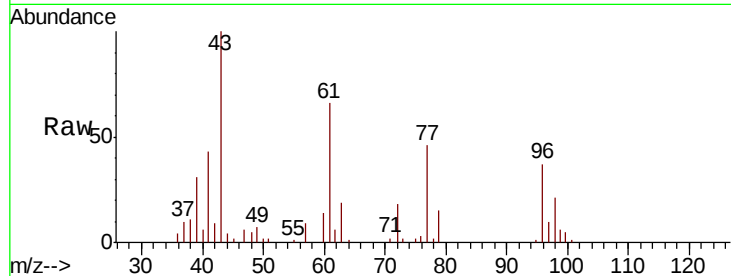




#27
 cis-1,2-Dichloroethene
 Concen: 5.545 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

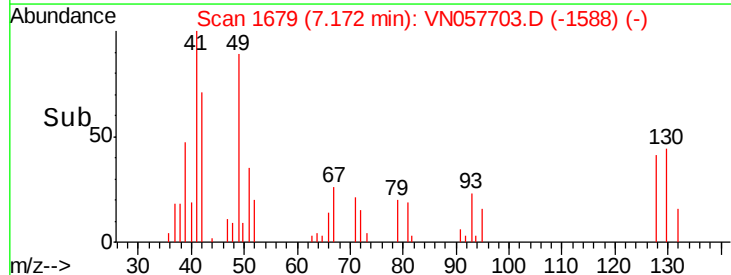
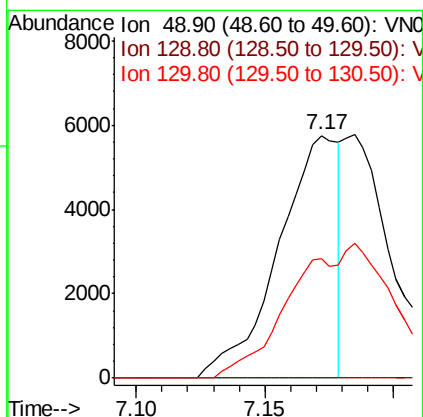
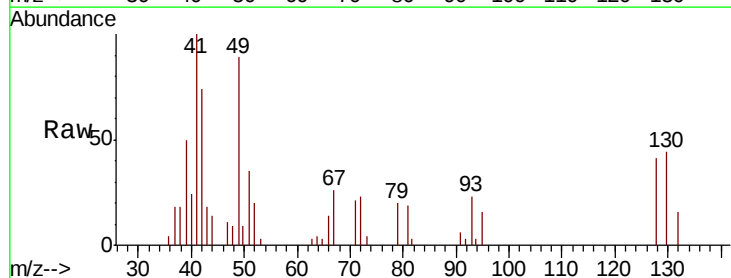
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

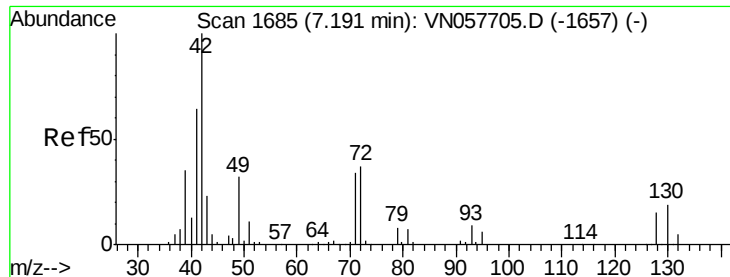
Tgt Ion: 96 Resp: 16829
 Ion Ratio Lower Upper
 96 100
 61 178.5 0.0 360.6
 98 64.1 0.0 130.6



#28
 Bromochloromethane
 Concen: 3.086 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. -0.01 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion: 49 Resp: 9301
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 2.4
 130 41.9 45.8 68.8#





#29

Tetrahydrofuran

Concen: 28.582 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

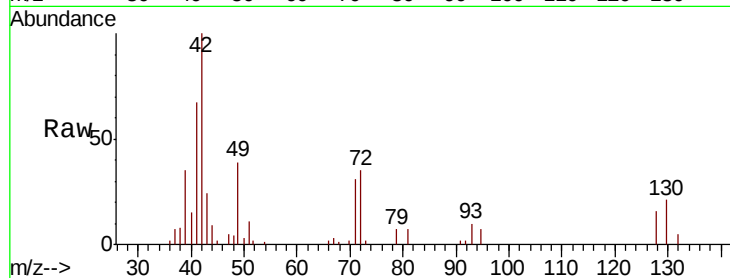
Tgt Ion: 42 Resp: 35644

Ion Ratio Lower Upper

42 100

72 38.0 29.2 43.8

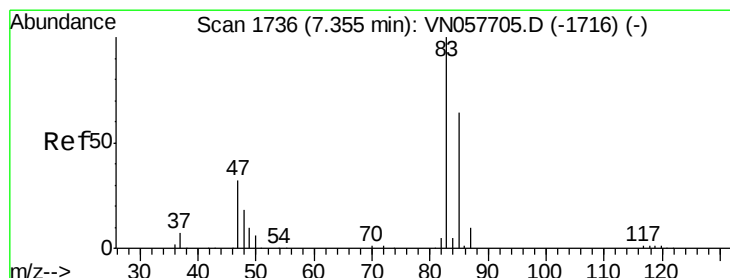
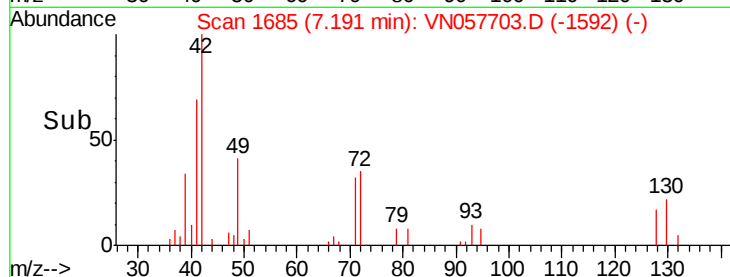
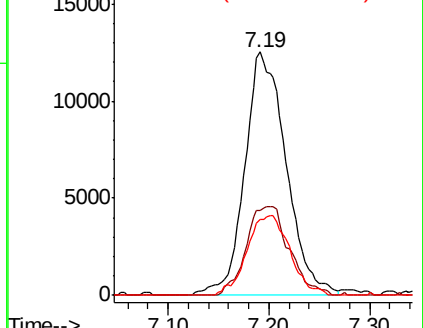
71 33.9 27.0 40.4



Abundance Ion 42.00 (41.70 to 42.70): VN057703.D (-1592) (-)

Ion 72.00 (71.70 to 72.70): VN057703.D (-1592) (-)

Ion 71.00 (70.70 to 71.70): VN057703.D (-1592) (-)



#30

Chloroform

Concen: 5.317 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN057703.D

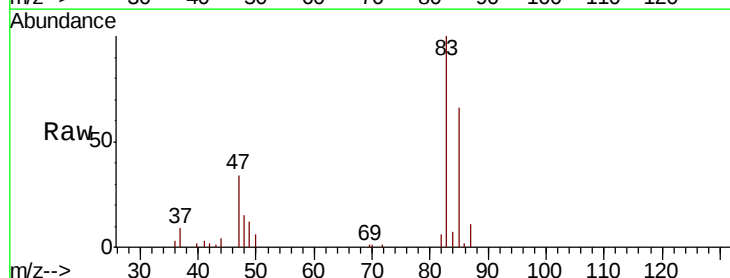
Acq: 5 Sep 2019 18:10

Tgt Ion: 83 Resp: 32454

Ion Ratio Lower Upper

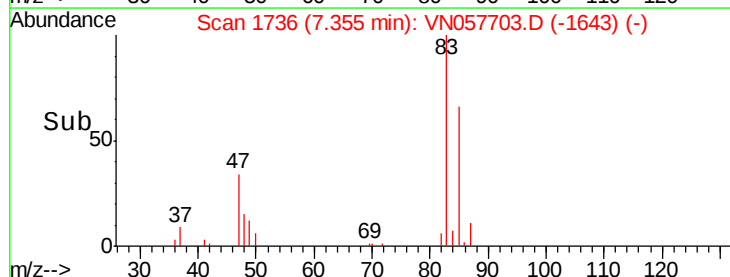
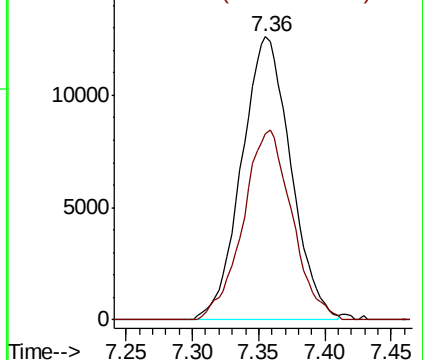
83 100

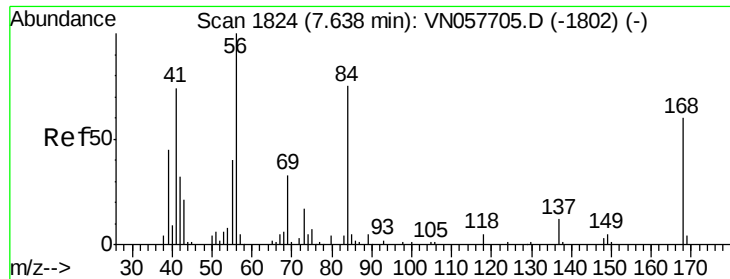
85 65.5 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN057703.D (-1643) (-)

Ion 84.90 (84.60 to 85.60): VN057703.D (-1643) (-)

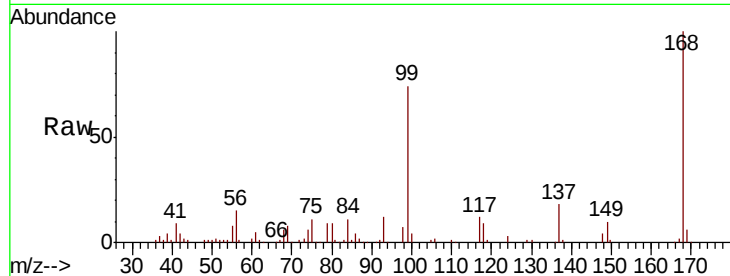




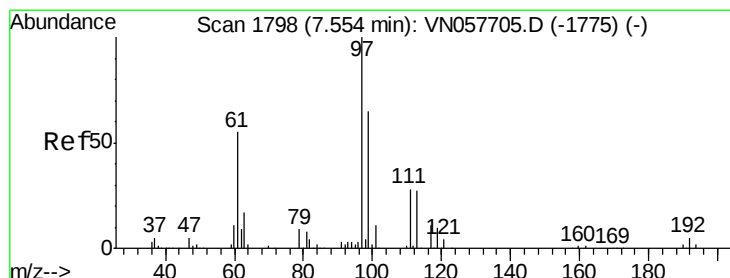
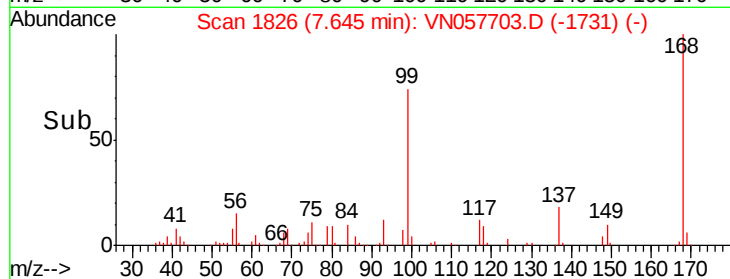
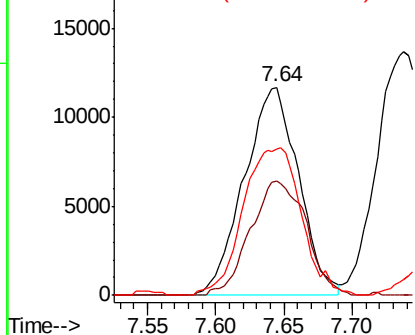
#31
Cyclohexane
Concen: 6.387 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 32303
Ion Ratio Lower Upper
56 100
69 55.0 26.2 39.2#
84 70.2 59.8 89.8

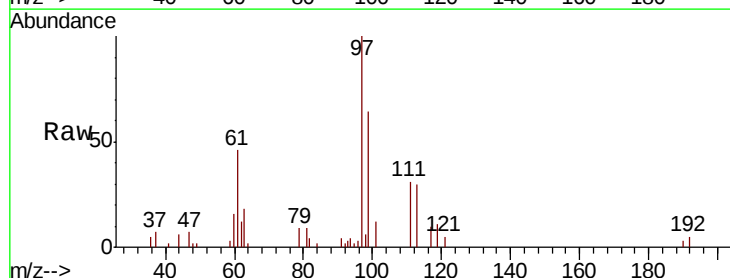


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

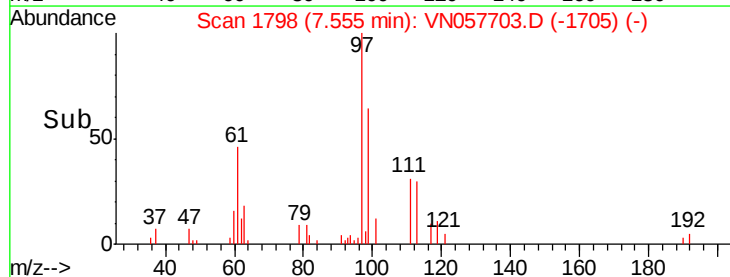
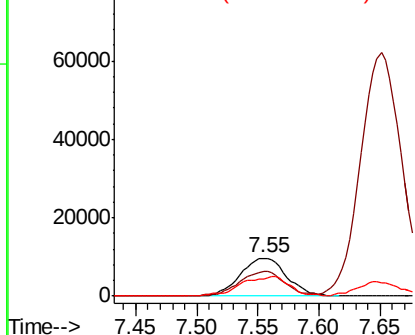


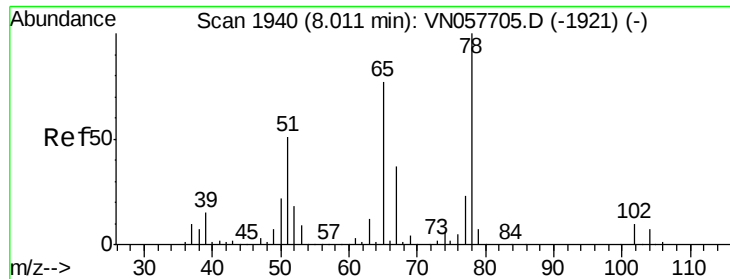
#32
1,1,1-Trichloroethane
Concen: 5.027 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 97 Resp: 25459
Ion Ratio Lower Upper
97 100
99 63.8 51.2 76.8
61 55.0 42.8 64.2



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

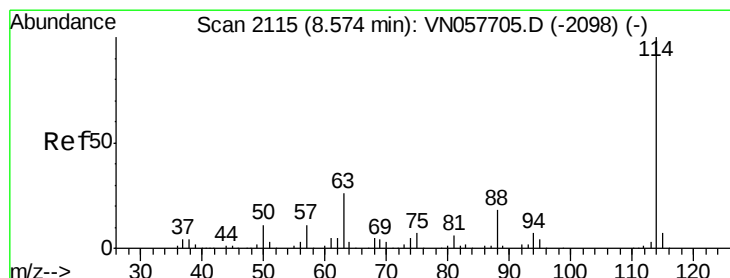
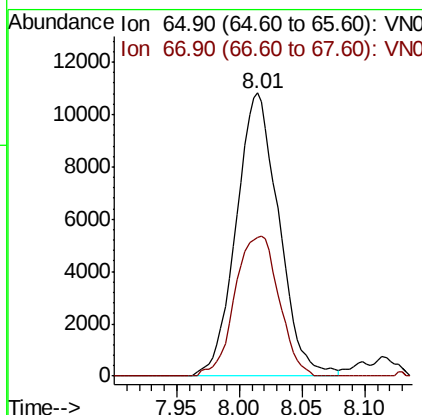
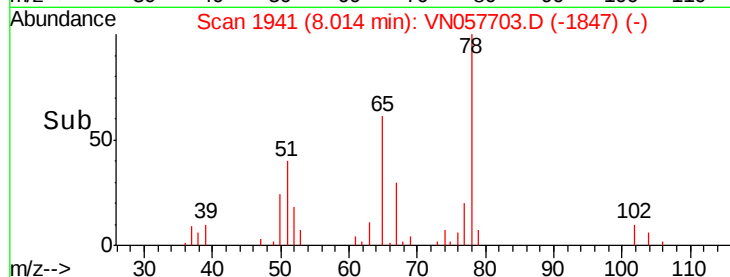
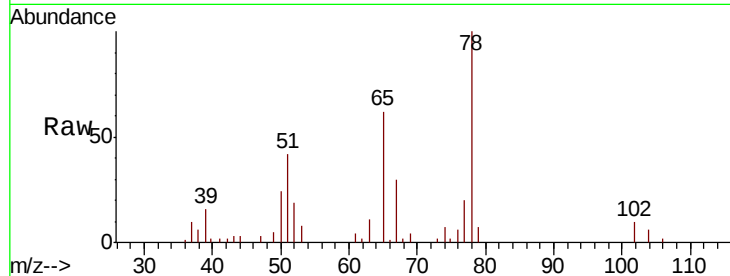




#33
 1,2-Dichloroethane-d4
 Concen: 5.715 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

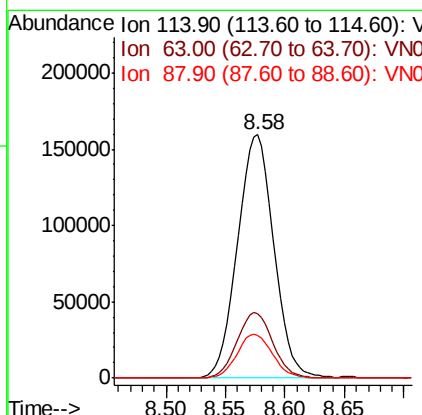
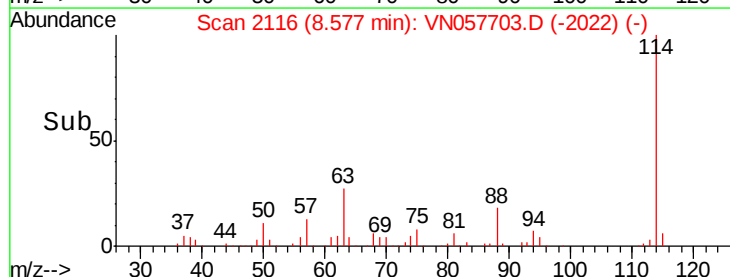
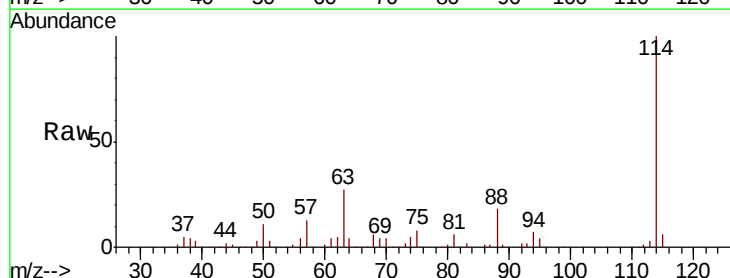
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

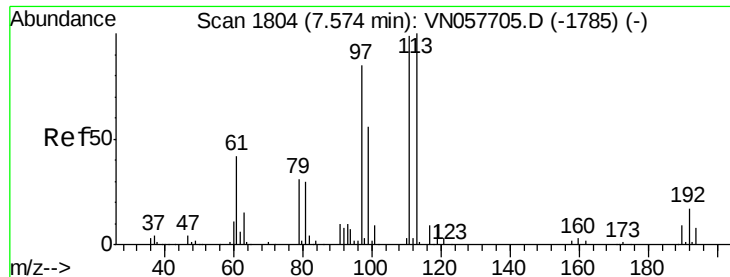
Tgt Ion: 65 Resp: 25611
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion: 114 Resp: 338068
 Ion Ratio Lower Upper
 114 100
 63 26.6 0.0 52.4
 88 17.7 0.0 35.4

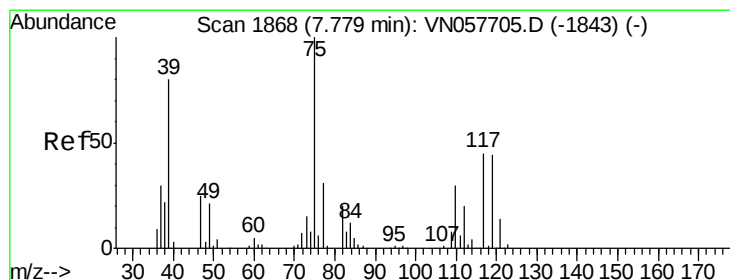
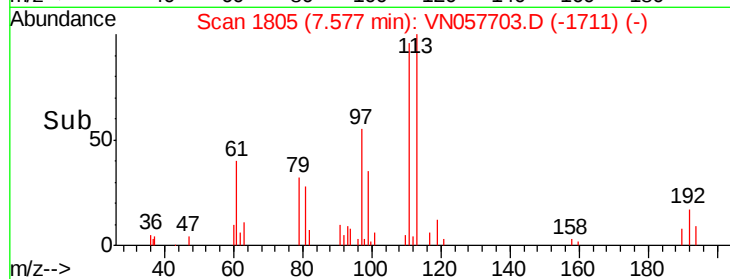
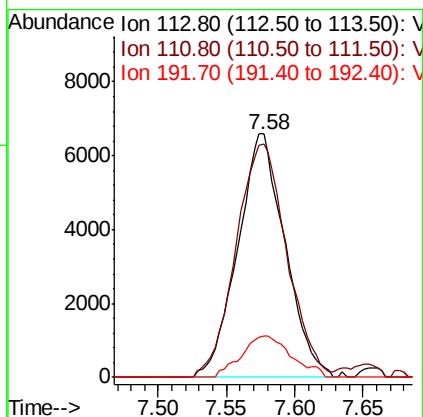
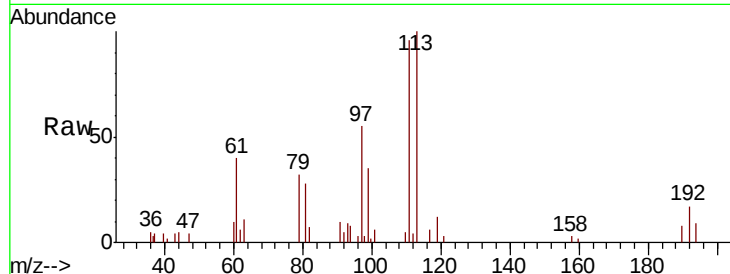




#35
 Dibromofluoromethane
 Concen: 5.182 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

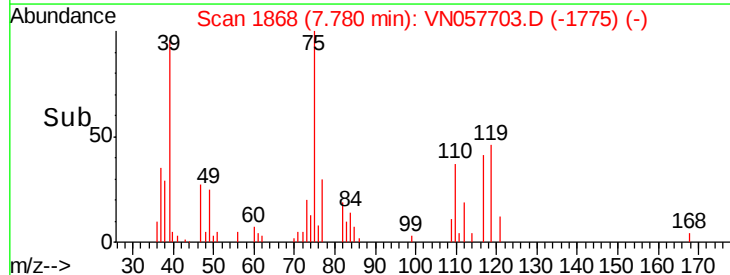
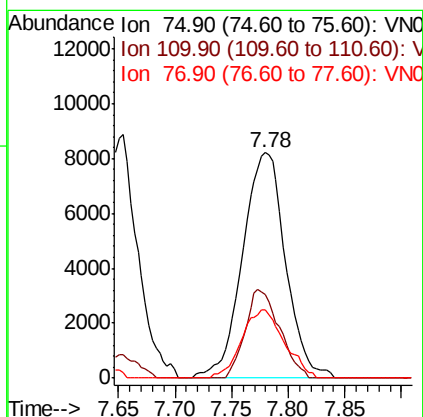
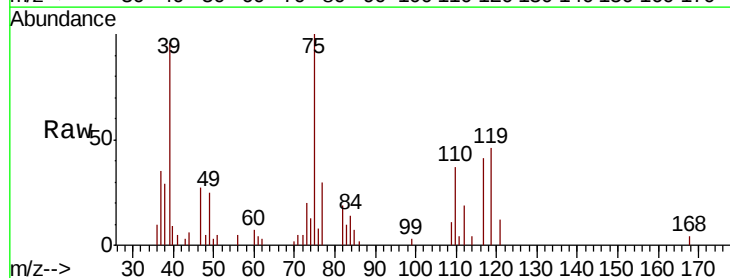
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

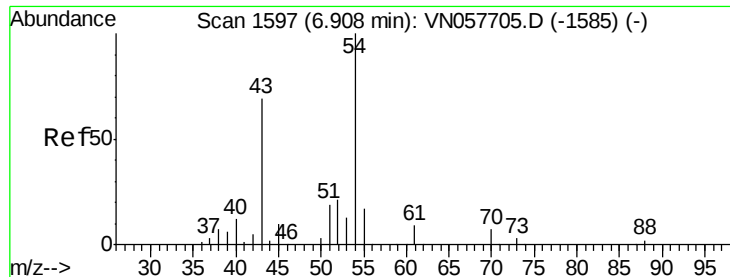
Tgt Ion: 113 Resp: 15856
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.7 124.1
 192 17.9 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 5.123 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion: 75 Resp: 21728
 Ion Ratio Lower Upper
 75 100
 110 31.3 15.0 45.0
 77 30.0 24.6 37.0

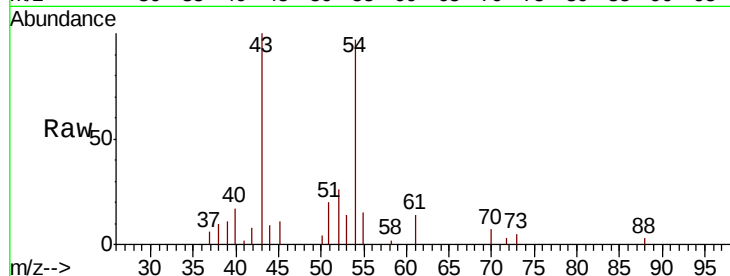




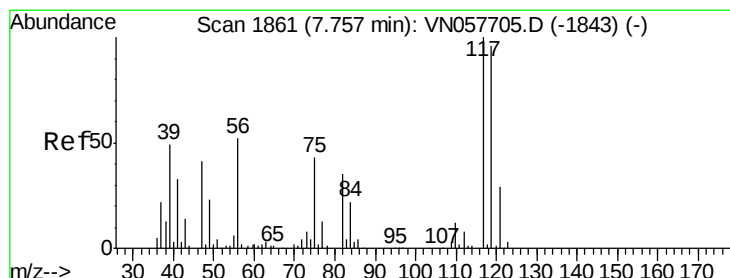
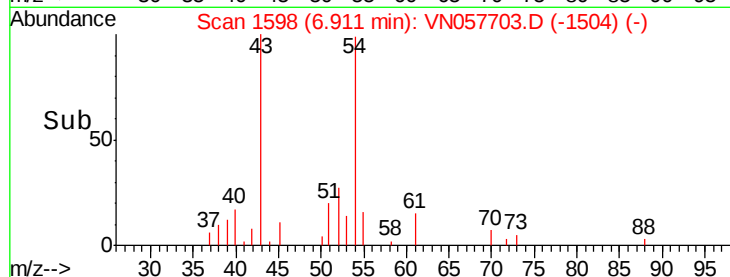
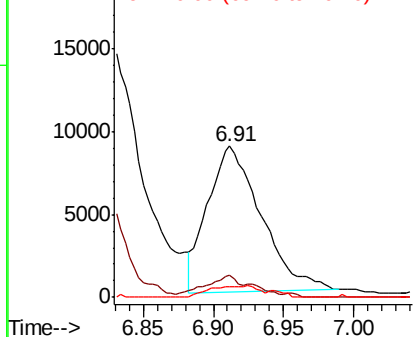
#37
Ethyl Acetate
Concen: 5.397 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 23346
Ion Ratio Lower Upper
43 100
61 7.1 9.8 14.8#
70 7.2 6.7 10.1

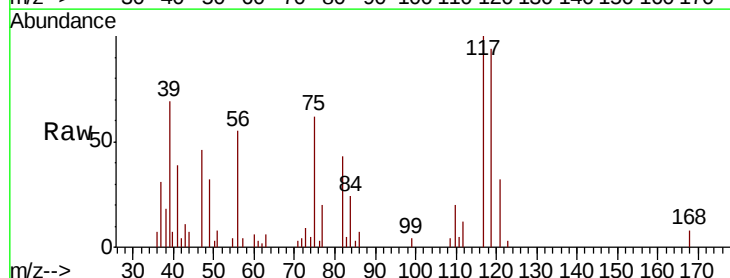


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

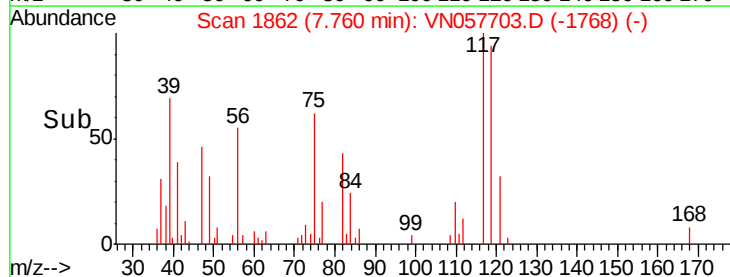
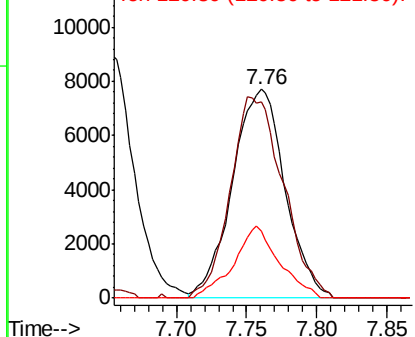


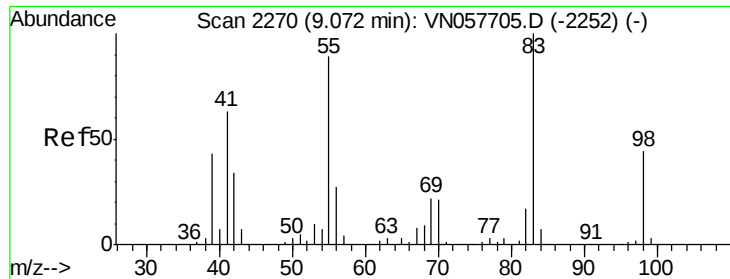
#38
Carbon Tetrachloride
Concen: 4.647 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 117 Resp: 20105
Ion Ratio Lower Upper
117 100
119 94.3 76.1 114.1
121 32.4 23.4 35.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

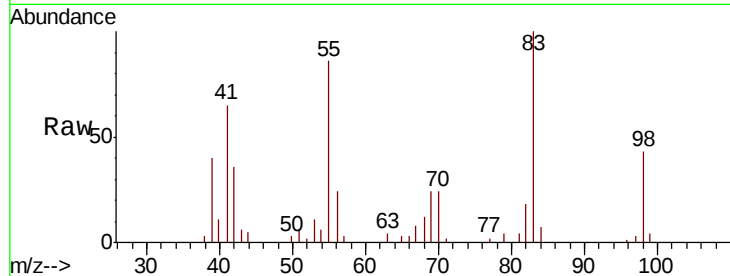




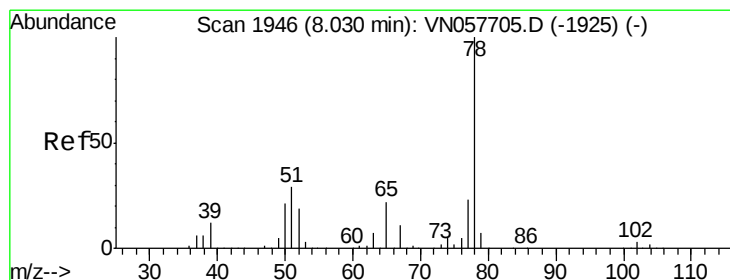
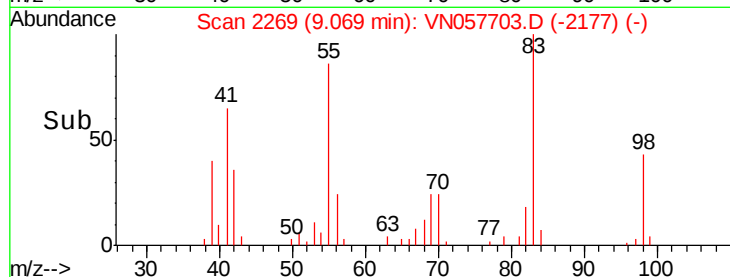
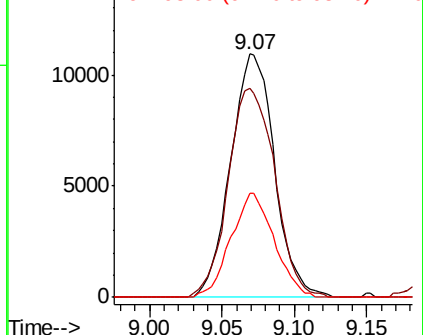
#39
Methylcyclohexane
Concen: 4.891 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 23034
Ion Ratio Lower Upper
83 100
55 86.0 71.4 107.0
98 42.6 35.3 52.9

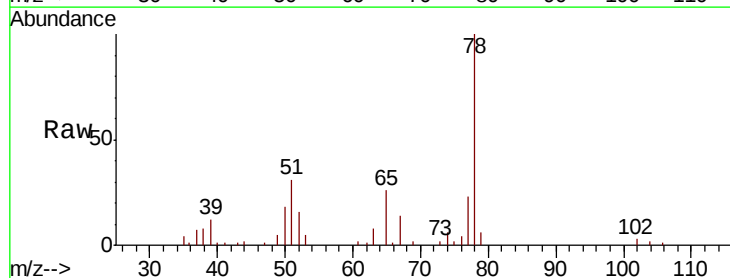


Abundance Ion 83.00 (82.70 to 83.70): VN057705.D (-2252) (-)
Ion 55.00 (54.70 to 55.70): VN057705.D (-2252) (-)
Ion 98.00 (97.70 to 98.70): VN057705.D (-2252) (-)

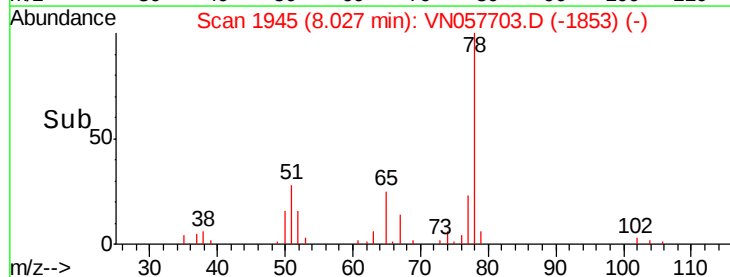
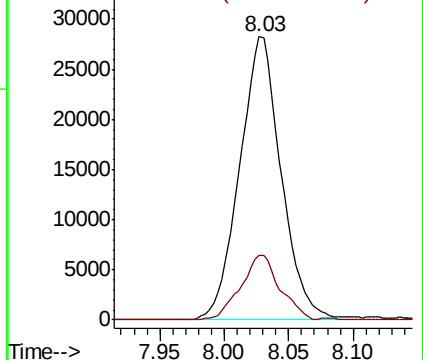


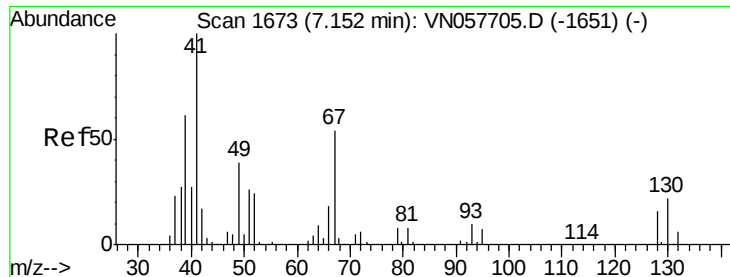
#40
Benzene
Concen: 5.127 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 78 Resp: 63257
Ion Ratio Lower Upper
78 100
77 22.8 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VN057705.D (-1925) (-)
Ion 77.00 (76.70 to 77.70): VN057705.D (-1925) (-)

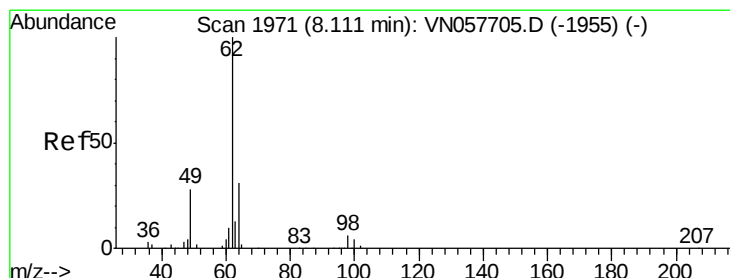
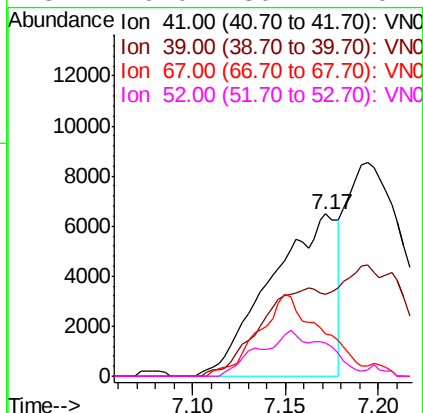
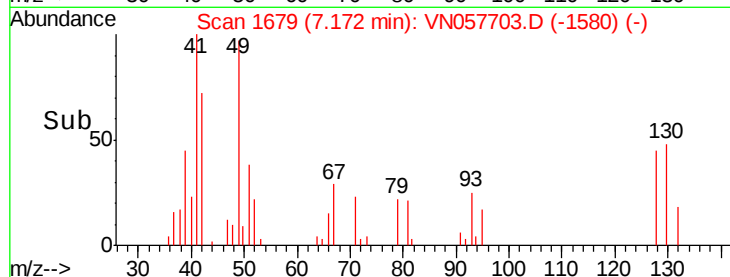
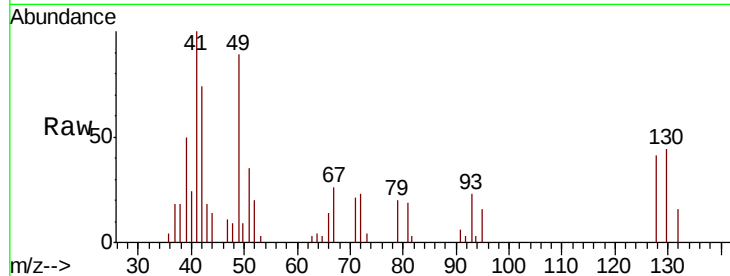




#41
Methacrylonitrile
Concen: 9.006 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.02 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

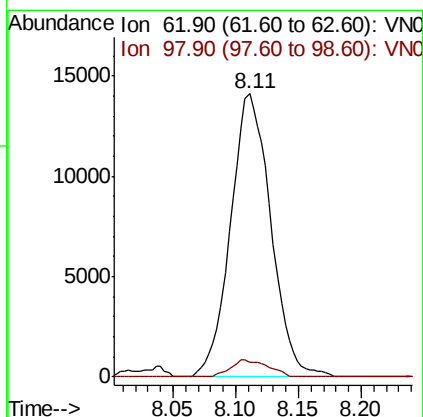
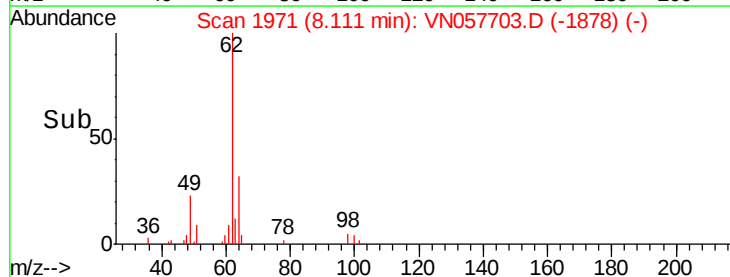
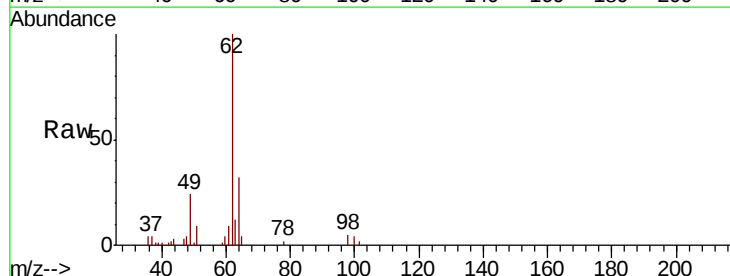
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

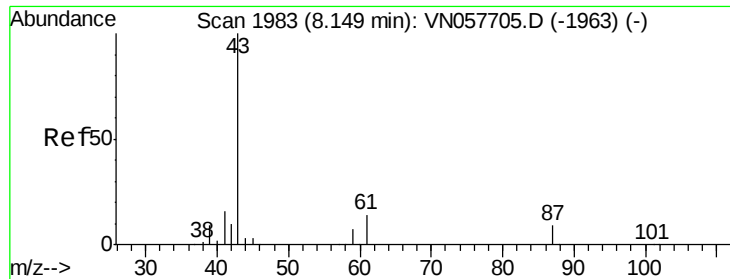
Tgt Ion: 41 Resp: 16254
Ion Ratio Lower Upper
41 100
39 52.2 43.6 65.4
67 0.0 59.8 89.6#
52 0.0 30.7 46.1#



#42
1,2-Dichloroethane
Concen: 5.548 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 62 Resp: 31492
Ion Ratio Lower Upper
62 100
98 5.6 0.0 12.6

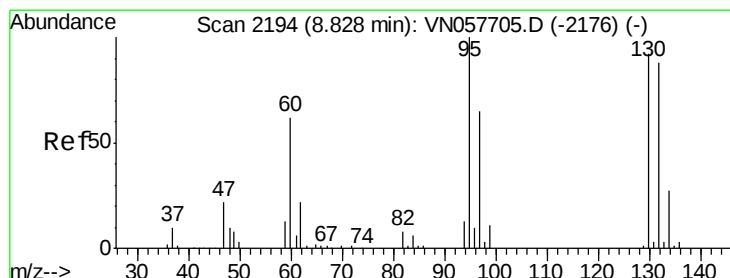
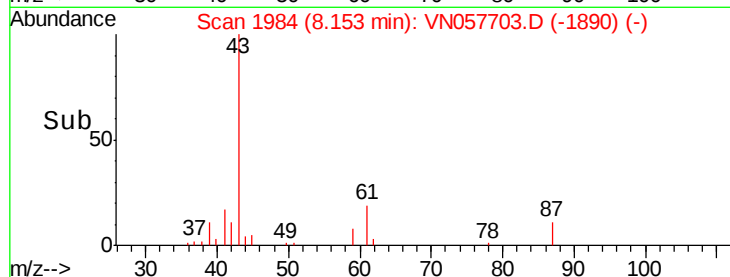
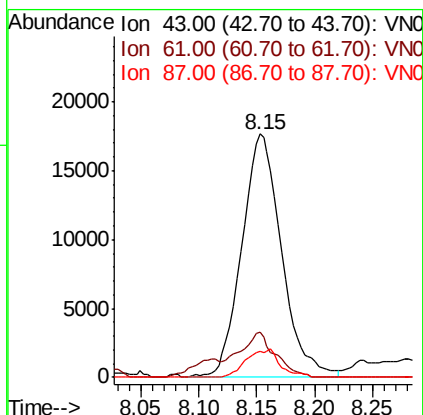
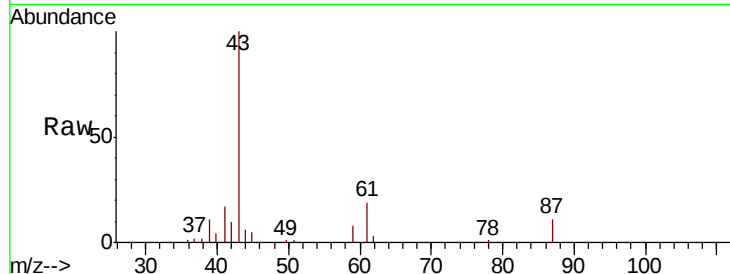




#43
Isopropyl Acetate
Concen: 5.308 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

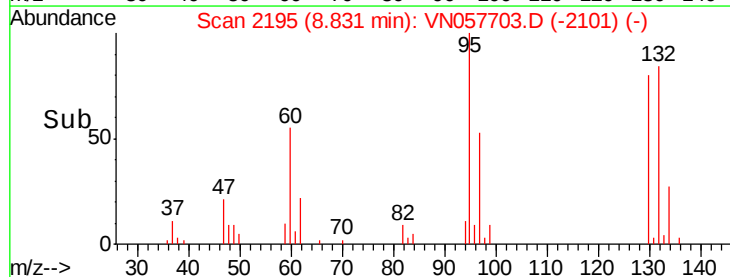
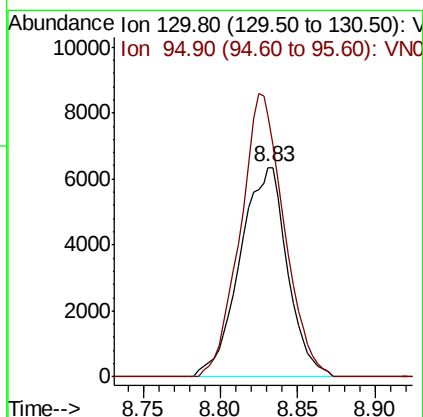
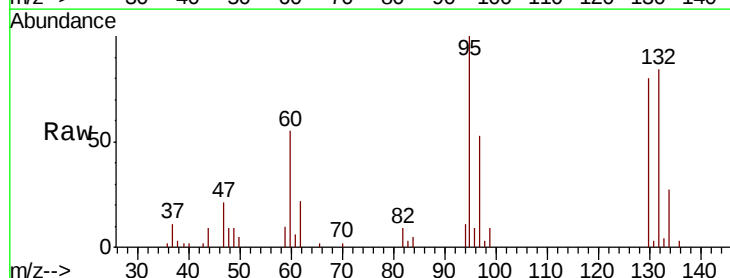
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

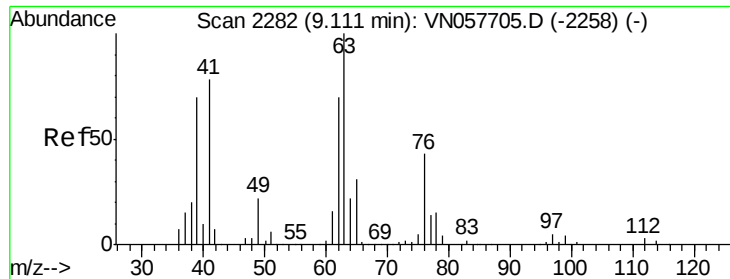
Tgt Ion: 43 Resp: 42182
Ion Ratio Lower Upper
43 100
61 16.8 12.8 19.2
87 9.9 7.8 11.8



#44
Trichloroethene
Concen: 4.580 ug/l
RT: 8.83 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 130 Resp: 13524
Ion Ratio Lower Upper
130 100
95 124.5 0.0 217.8

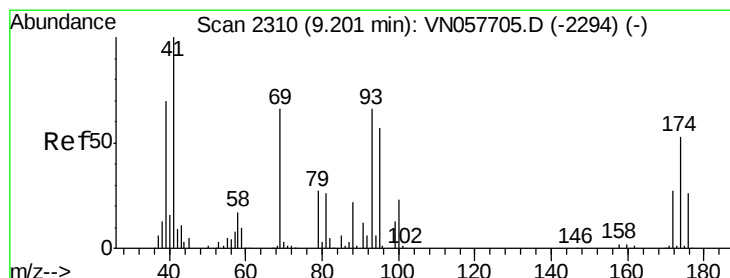
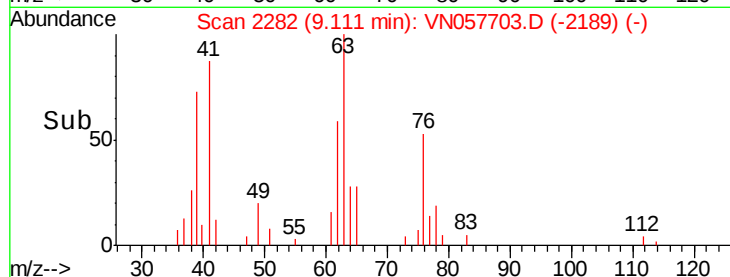
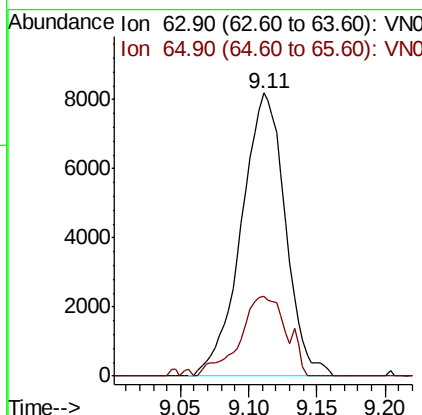
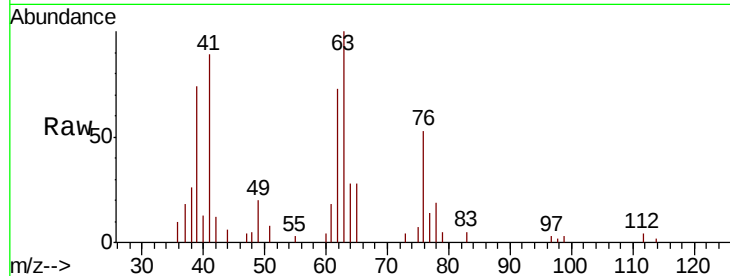




#45
 1,2-Dichloropropane
 Concen: 5.330 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

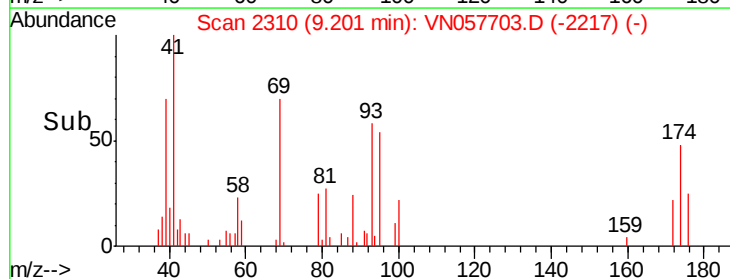
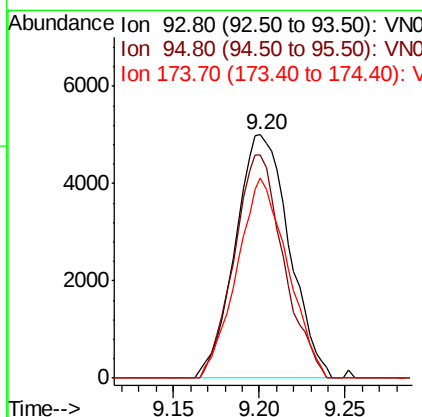
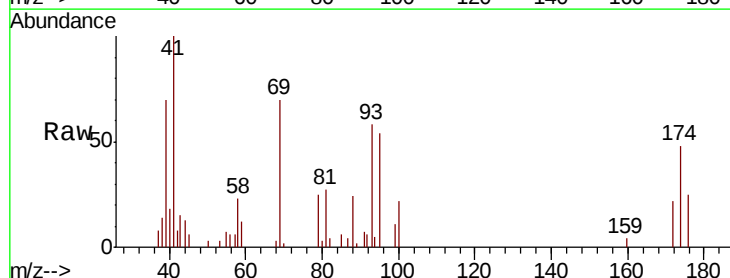
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

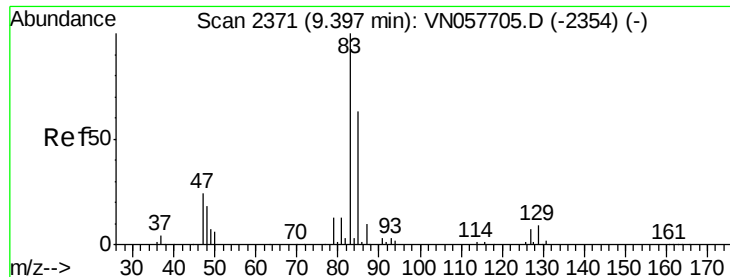
Tgt Ion: 63 Resp: 18367
 Ion Ratio Lower Upper
 63 100
 65 28.3 24.5 36.7



#46
 Dibromomethane
 Concen: 4.853 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion: 93 Resp: 10893
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.1 99.1
 174 77.2 63.4 95.2





#47

Bromodichloromethane

Concen: 4.689 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

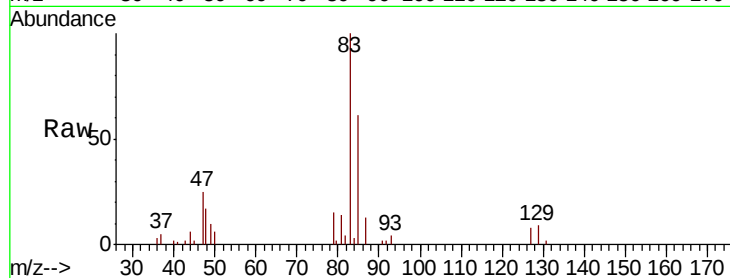
Tgt Ion: 83 Resp: 21773

Ion Ratio Lower Upper

83 100

85 61.2 50.7 76.1

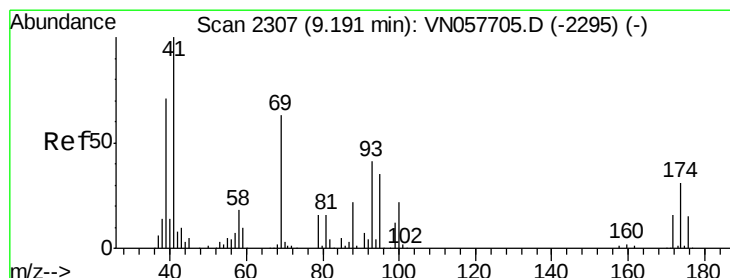
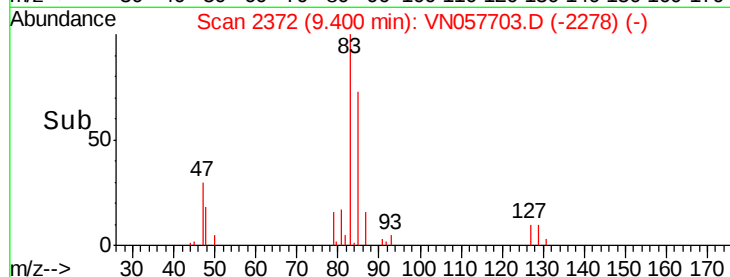
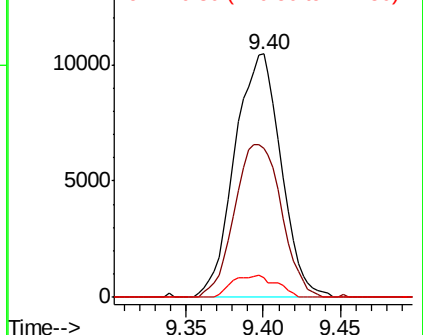
127 8.1 5.6 8.4



Abundance Ion 82.90 (82.60 to 83.60): VN057703.D (-2278) (-)

Ion 84.90 (84.60 to 85.60): VN057703.D (-2278) (-)

Ion 126.80 (126.50 to 127.50): VN057703.D (-2278) (-)



#48

Methyl methacrylate

Concen: 5.484 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

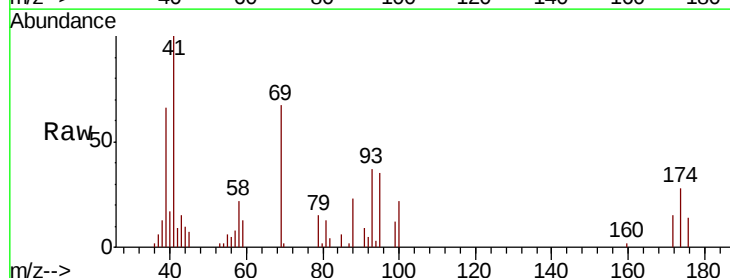
Tgt Ion: 41 Resp: 21040

Ion Ratio Lower Upper

41 100

69 63.9 51.2 76.8

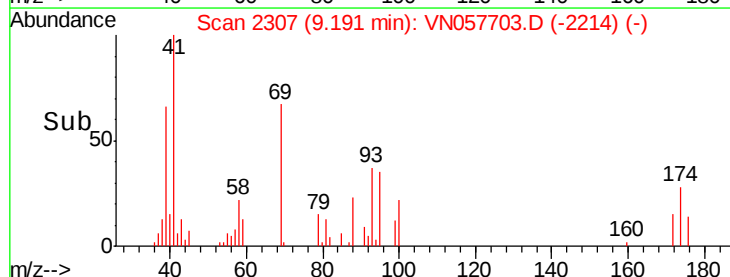
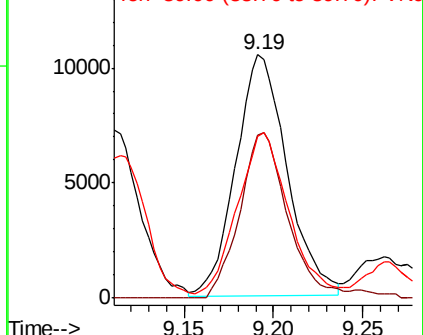
39 70.1 57.3 85.9

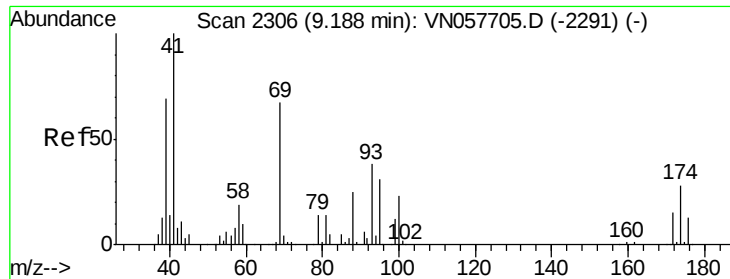


Abundance Ion 41.00 (40.70 to 41.70): VN057703.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN057703.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN057703.D (-2214) (-)





#49

1,4-Dioxane

Concen: 91.970 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

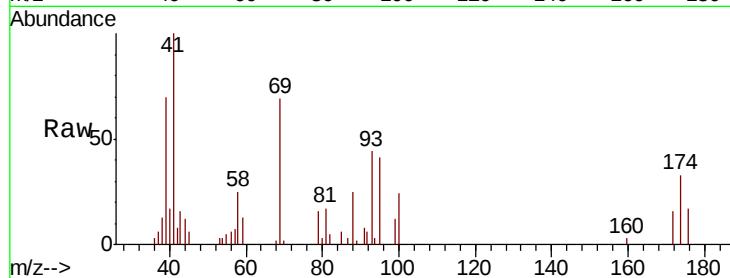
Tgt Ion: 88 Resp: 4996

Ion Ratio Lower Upper

88 100

43 55.2 35.4 53.2#

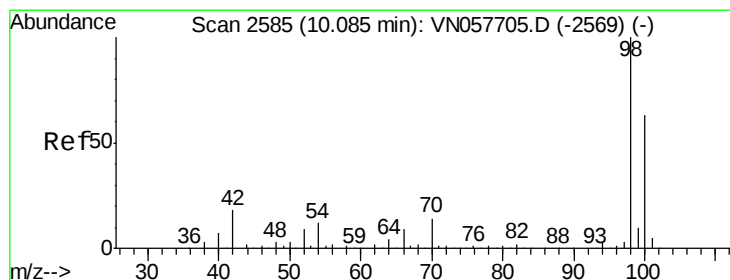
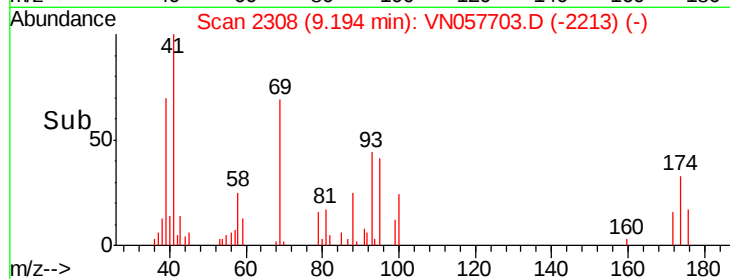
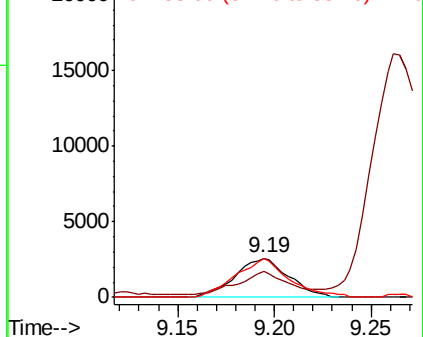
58 99.0 61.5 92.3#



Abundance Ion 88.00 (87.70 to 88.70): VN057703.D (-2213) (-)

Ion 43.00 (42.70 to 43.70): VN057703.D (-2213) (-)

Ion 58.00 (57.70 to 58.70): VN057703.D (-2213) (-)



#50

Toluene-d8

Concen: 4.798 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057703.D

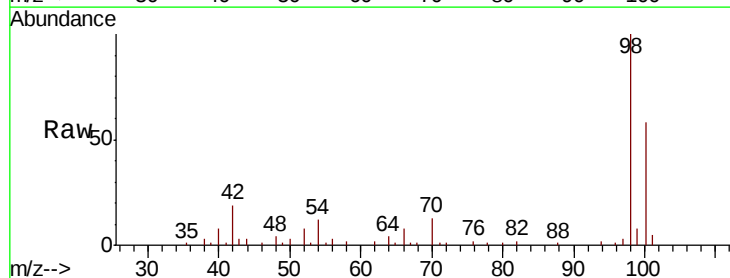
Acq: 5 Sep 2019 18:10

Tgt Ion: 98 Resp: 54653

Ion Ratio Lower Upper

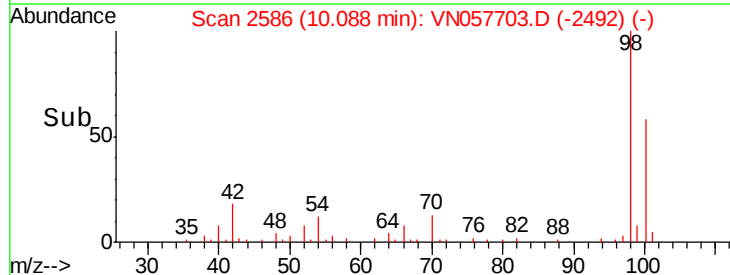
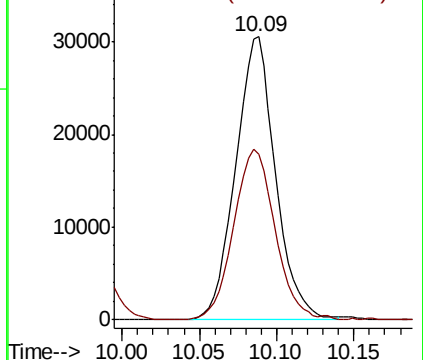
98 100

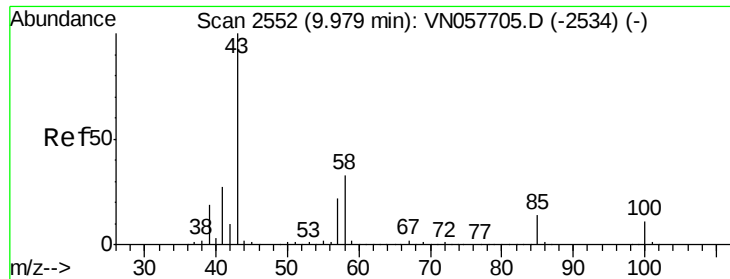
100 62.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN057703.D (-2492) (-)

Ion 100.00 (99.70 to 100.70): VN057703.D (-2492) (-)





#51

4-Methyl-2-Pentanone

Concen: 27.239 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

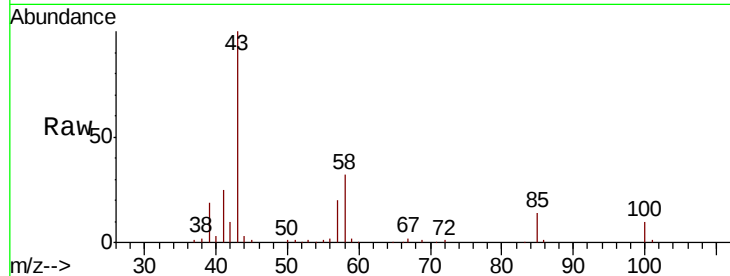
VSTDIC005

Tgt Ion: 43 Resp: 119458

Ion Ratio Lower Upper

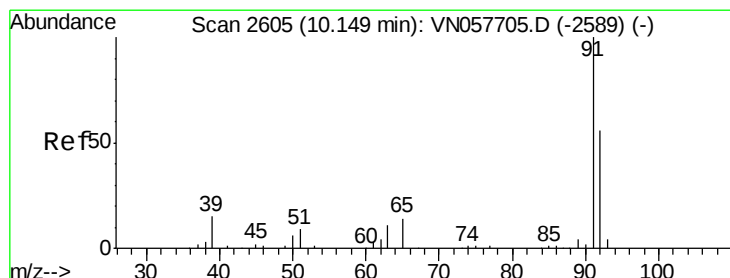
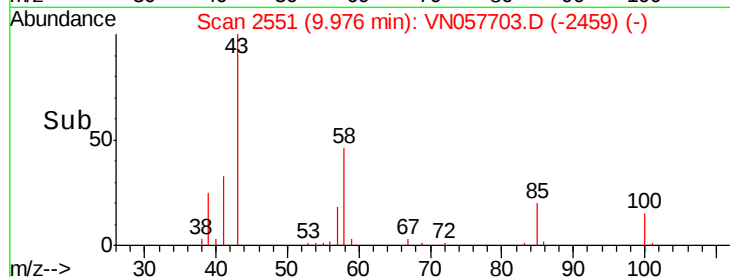
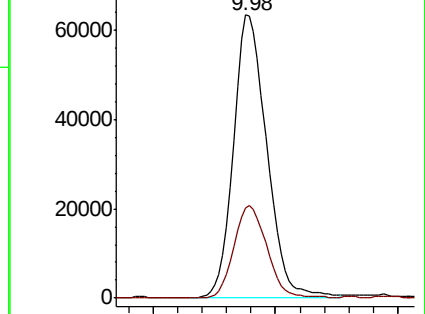
43 100

58 32.7 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057705.D (-2534) (-)



#52

Toluene

Concen: 5.022 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057703.D

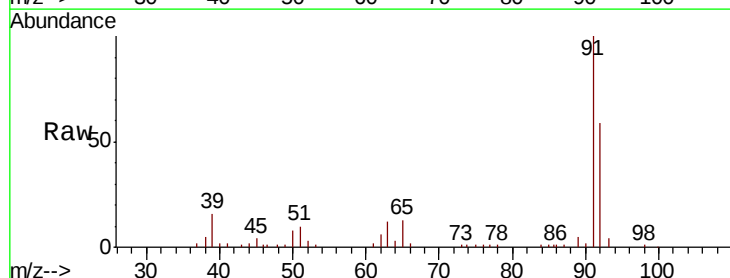
Acq: 5 Sep 2019 18:10

Tgt Ion: 92 Resp: 38378

Ion Ratio Lower Upper

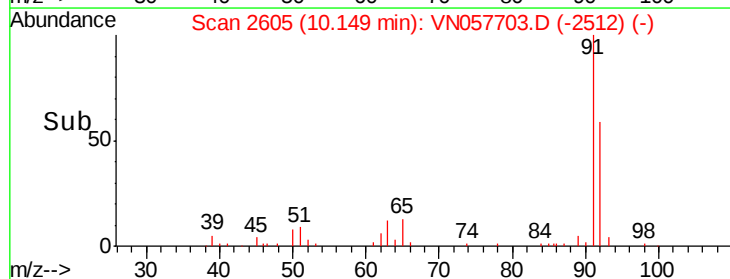
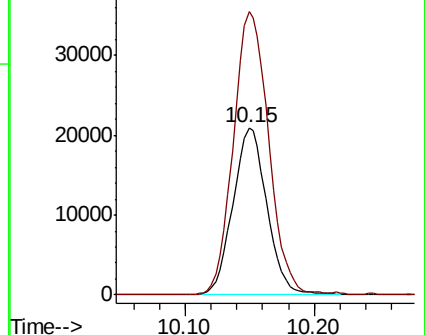
92 100

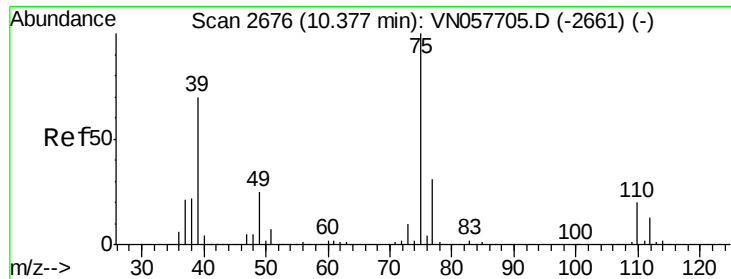
91 175.6 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN057705.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN057705.D (-2589) (-)





#53

t-1,3-Dichloropropene

Concen: 4.547 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

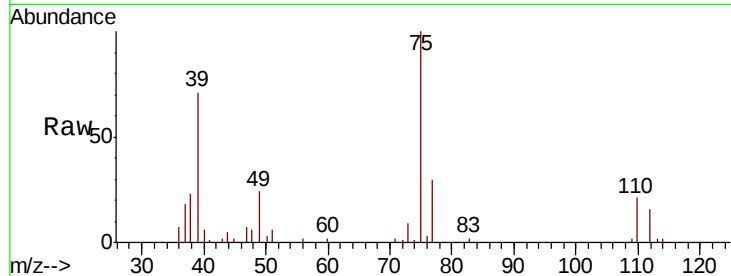
VSTDIC005

Tgt Ion: 75 Resp: 21591

Ion Ratio Lower Upper

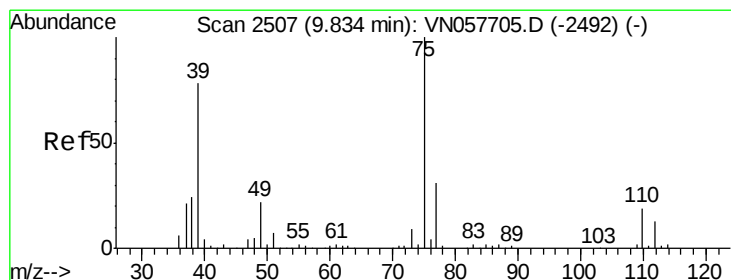
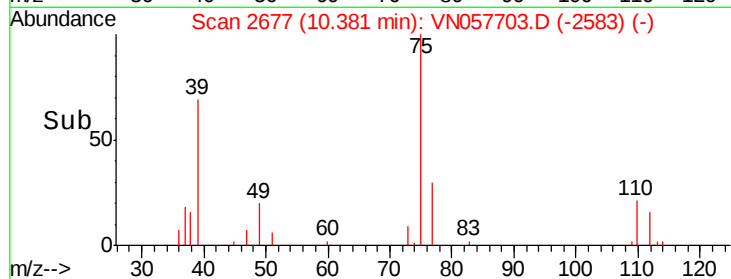
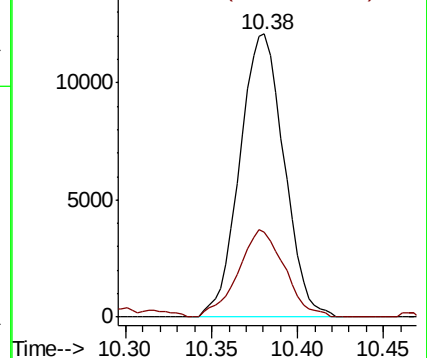
75 100

77 30.2 25.1 37.7



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: 4.761 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

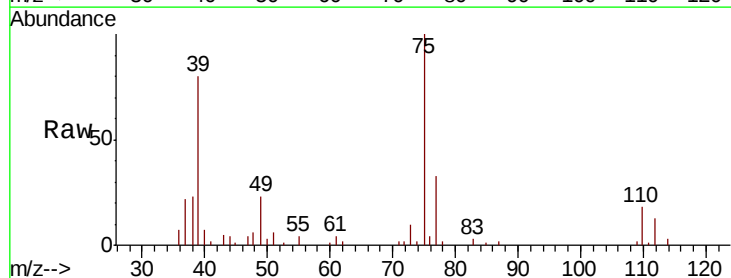
Tgt Ion: 75 Resp: 24664

Ion Ratio Lower Upper

75 100

77 33.0 25.1 37.7

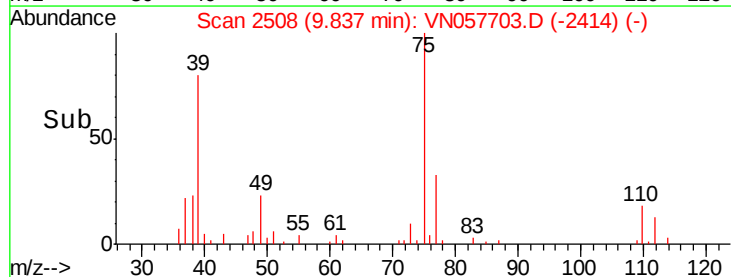
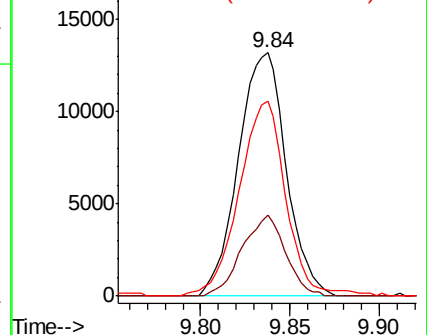
39 78.7 62.4 93.6

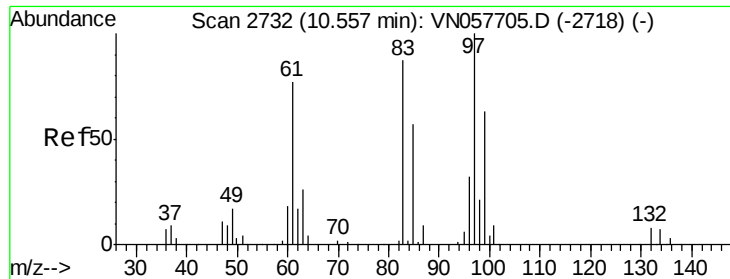


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 5.362 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion: 97 Resp: 16323

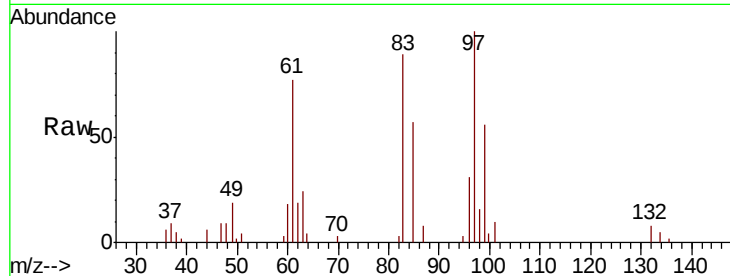
Ion Ratio Lower Upper

97 100

83 89.2 69.5 104.3

85 56.8 45.7 68.5

99 56.5 50.2 75.4

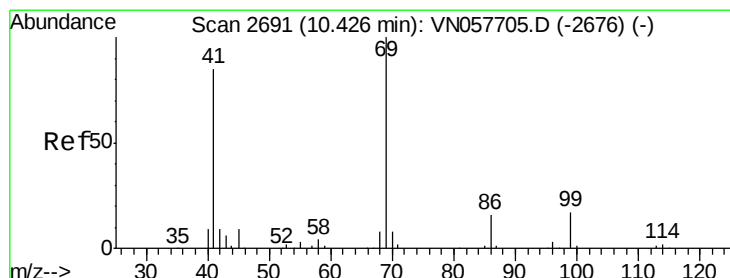
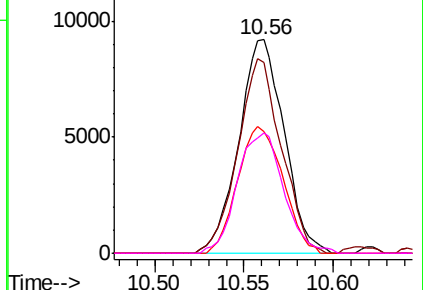
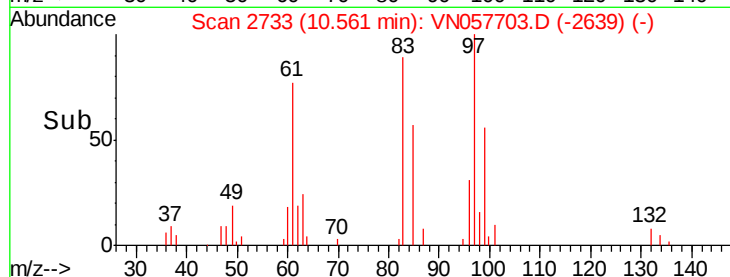


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 5.286 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

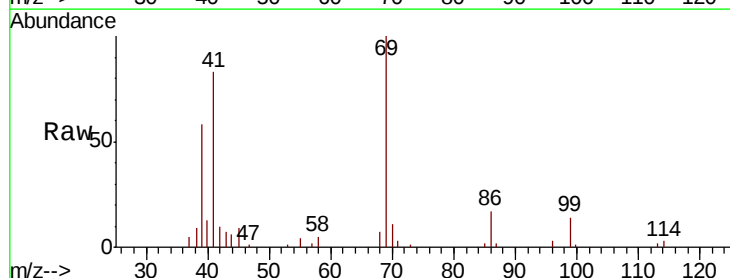
Tgt Ion: 69 Resp: 24737

Ion Ratio Lower Upper

69 100

41 83.9 69.0 103.4

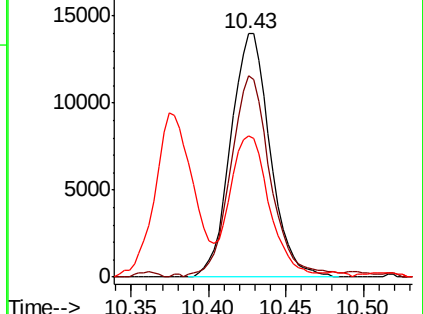
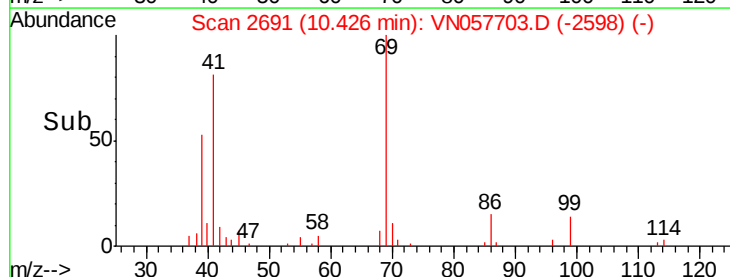
39 58.4 49.2 73.8

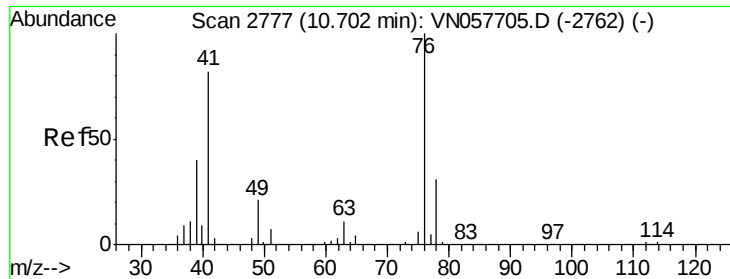


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 5.357 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

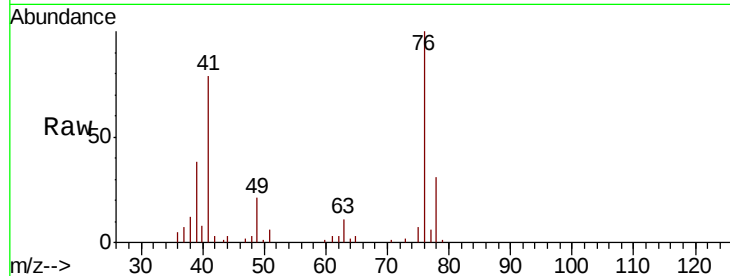
VSTDIC005

Tgt Ion: 76 Resp: 28782

Ion Ratio Lower Upper

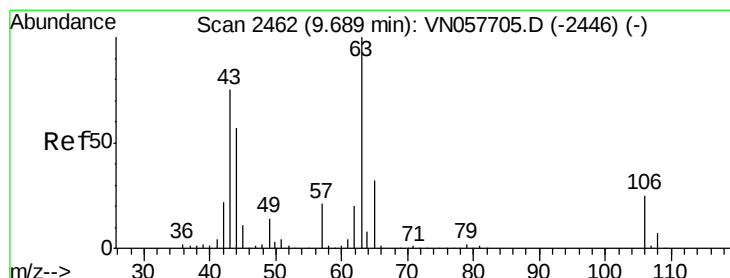
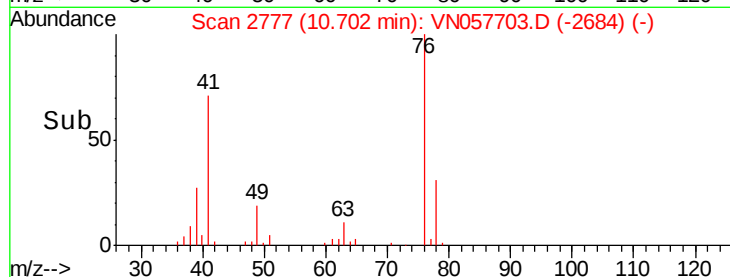
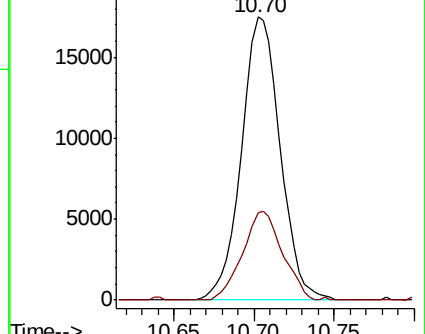
76 100

78 32.4 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN057703.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN057703.D (-2762) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 37.268 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057703.D

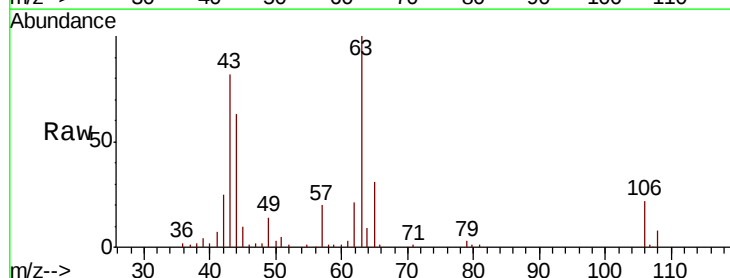
Acq: 5 Sep 2019 18:10

Tgt Ion: 63 Resp: 61972

Ion Ratio Lower Upper

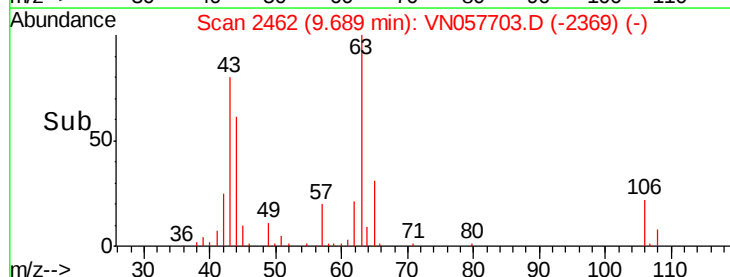
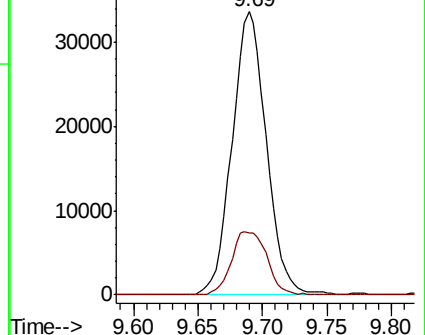
63 100

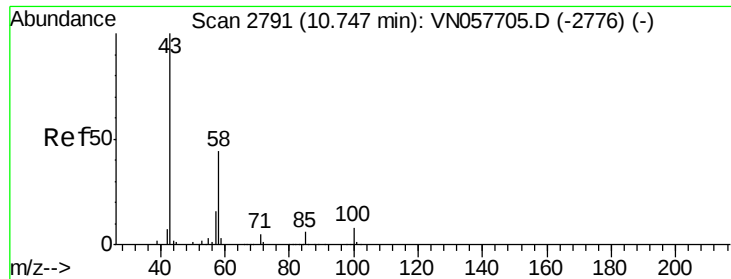
106 22.9 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN057703.D (-2369) (-)

Ion 105.90 (105.60 to 106.60): VN057703.D (-2369) (-)

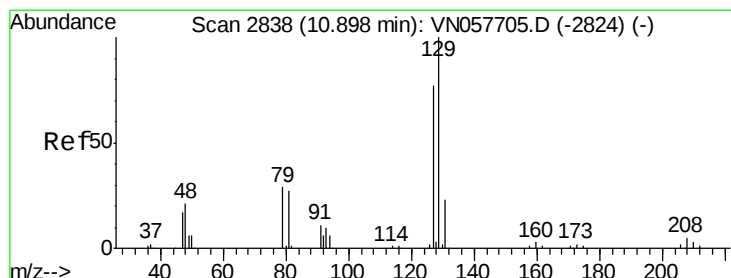
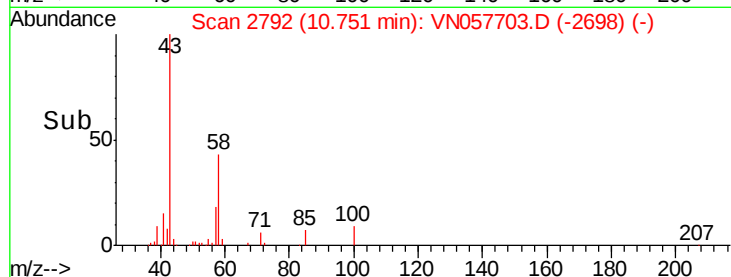
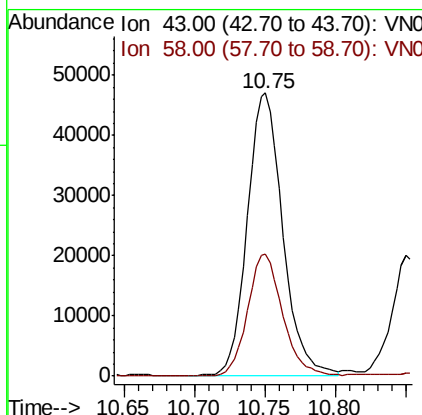
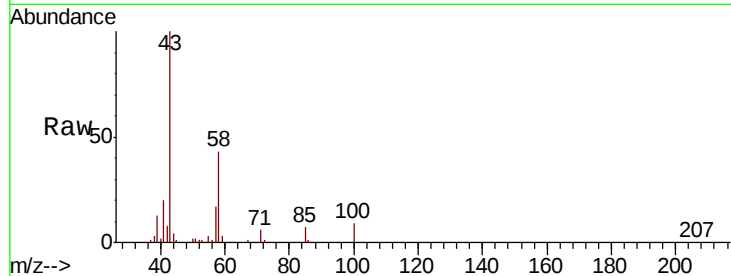




#59
2-Hexanone
Concen: 27.040 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

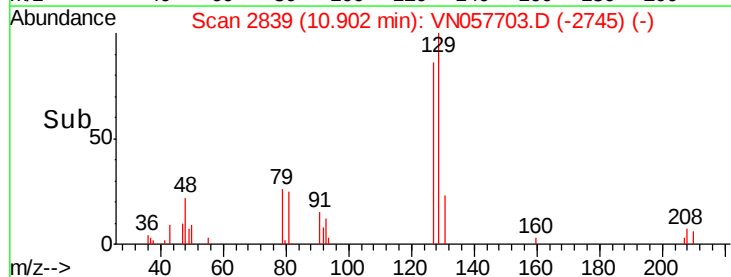
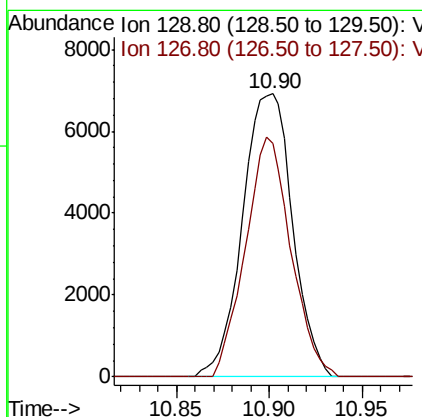
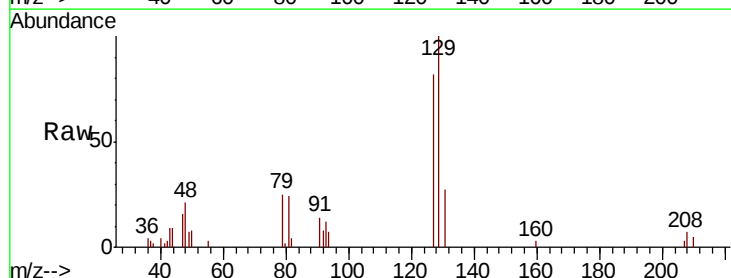
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

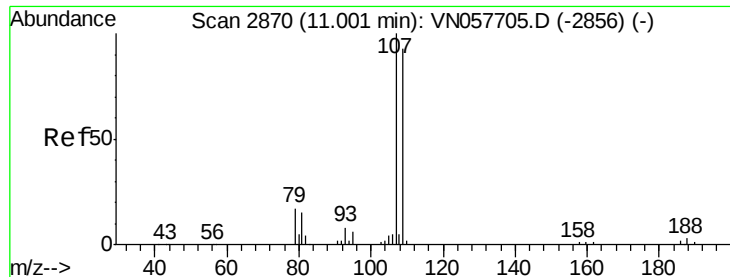
Tgt Ion: 43 Resp: 83131
Ion Ratio Lower Upper
43 100
58 42.3 22.1 66.5



#60
Dibromochloromethane
Concen: 4.358 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 129 Resp: 13020
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.2





#61

1,2-Dibromoethane

Concen: 5.054 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

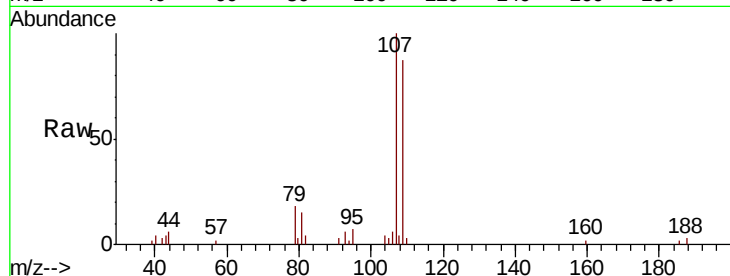
VSTDIC005

Tgt Ion: 107 Resp: 15066

Ion Ratio Lower Upper

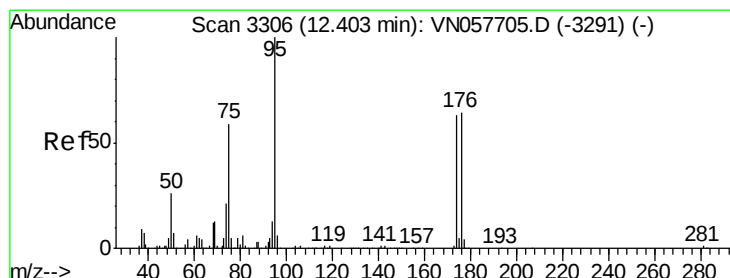
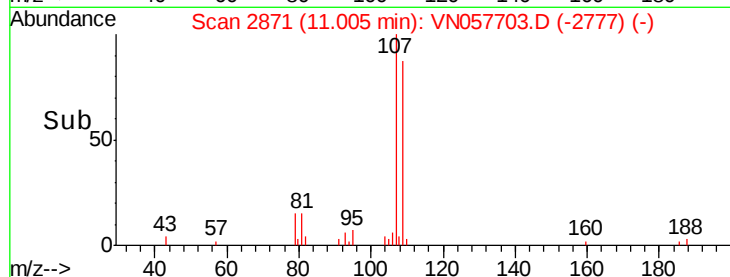
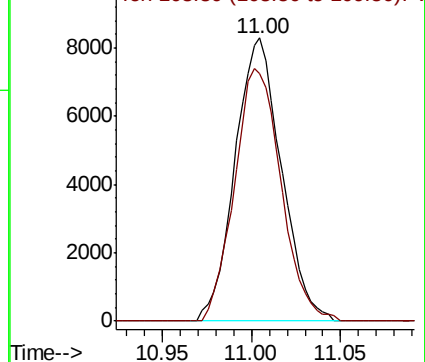
107 100

109 89.5 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.601 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

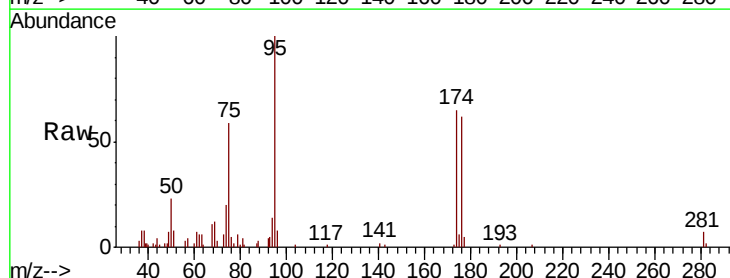
Tgt Ion: 95 Resp: 24246

Ion Ratio Lower Upper

95 100

174 70.1 0.0 128.0

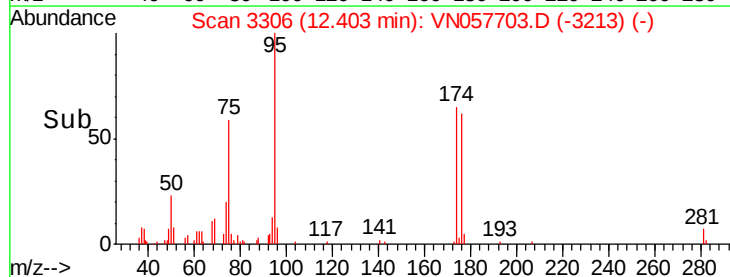
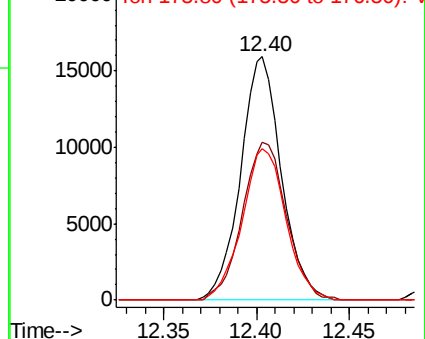
176 67.0 0.0 128.0

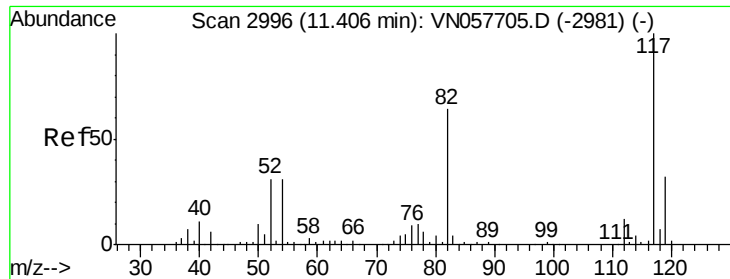


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

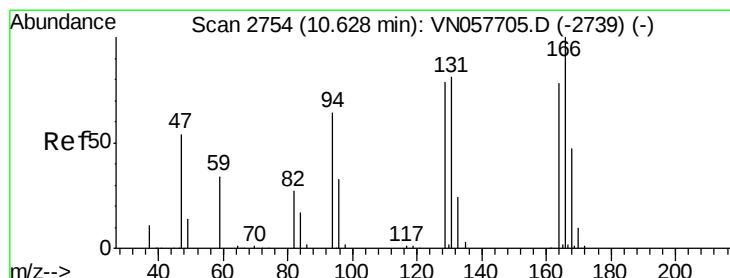
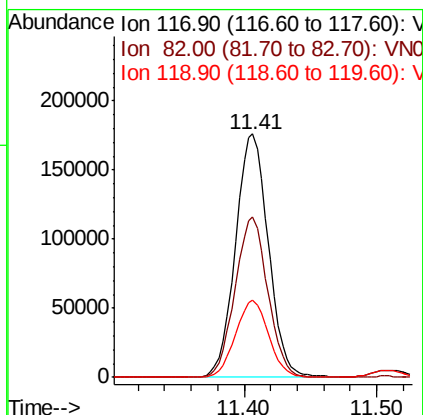
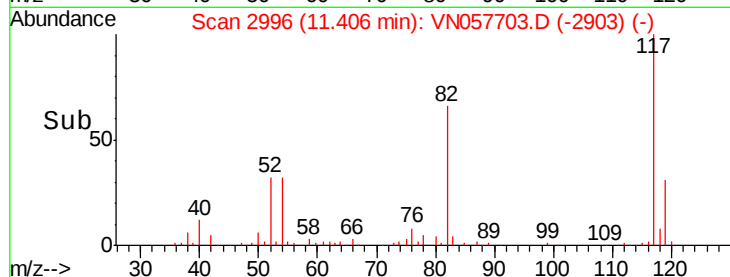
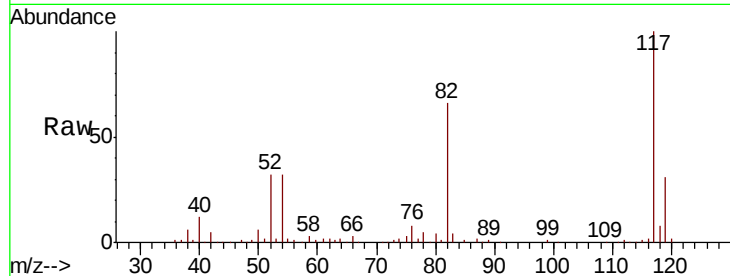




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

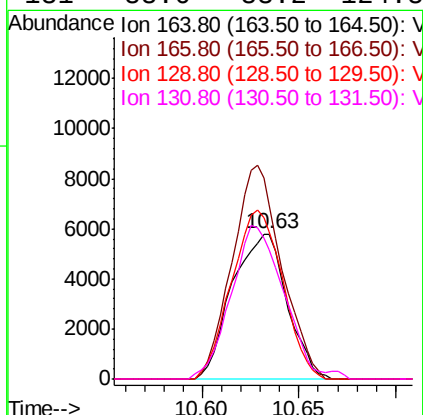
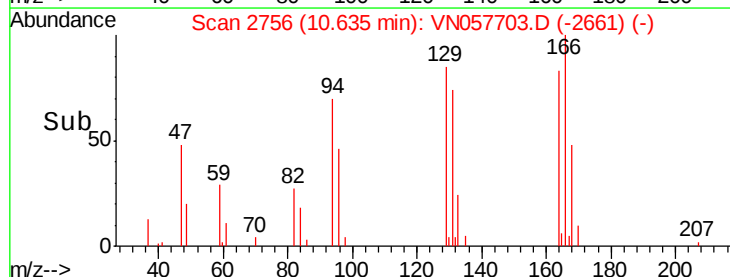
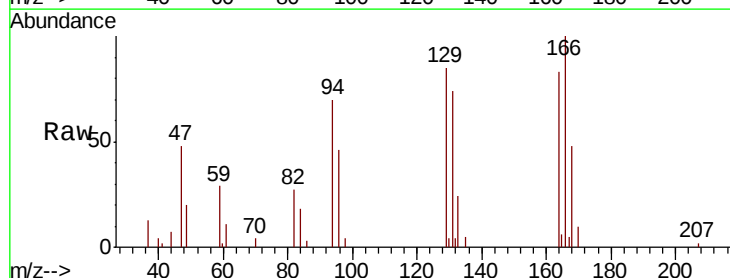
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

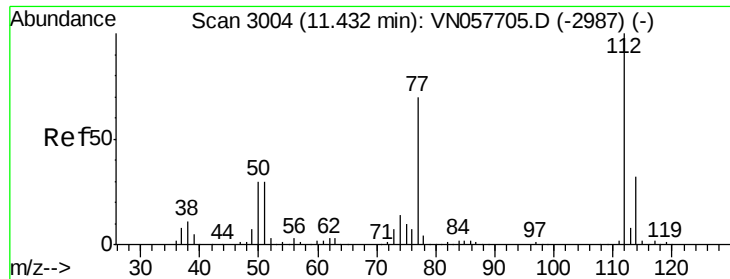
Tgt Ion:117 Resp: 303094
Ion Ratio Lower Upper
117 100
82 65.9 51.4 77.0
119 31.5 25.4 38.2



#64
Tetrachloroethene
Concen: 4.365 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.01 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion:164 Resp: 11449
Ion Ratio Lower Upper
164 100
166 119.9 103.0 154.6
129 101.5 81.1 121.7
131 88.6 83.2 124.8

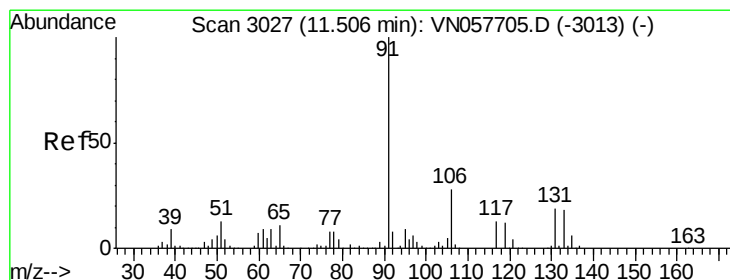
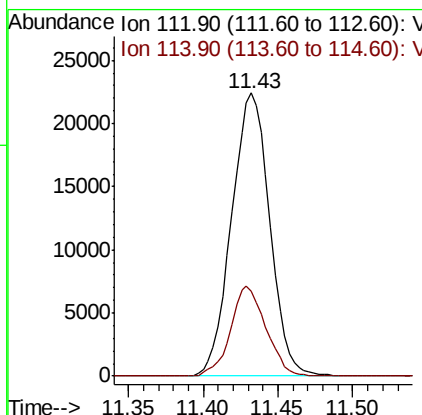
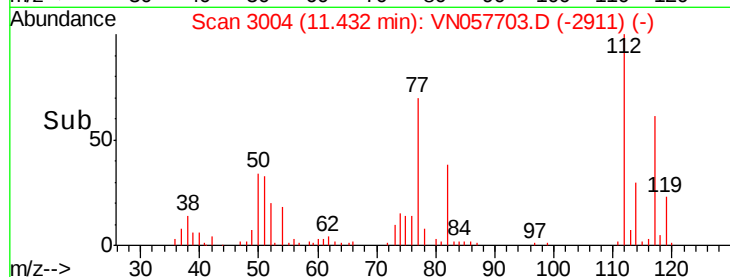
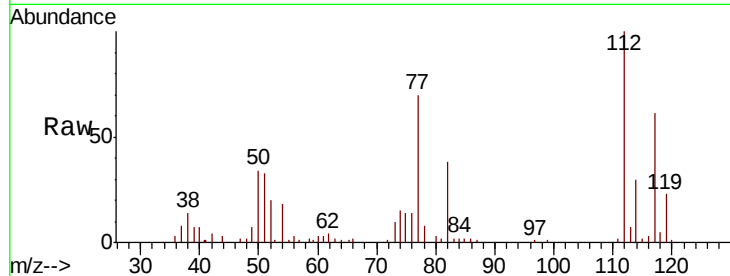




#65
Chlorobenzene
Concen: 5.180 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

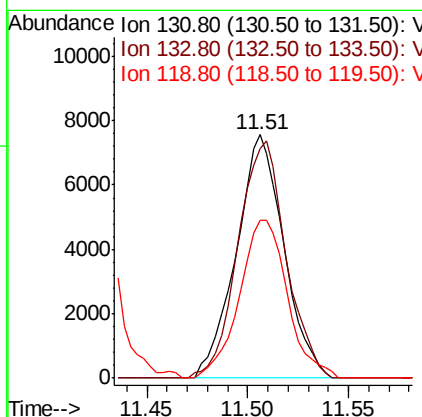
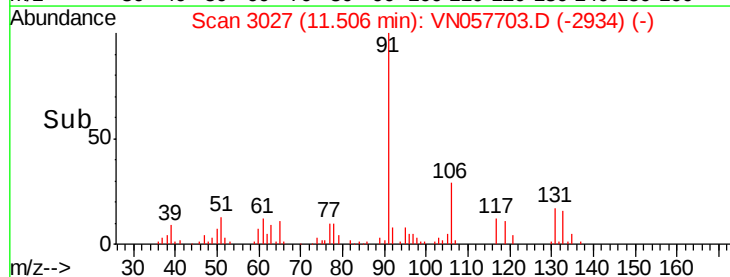
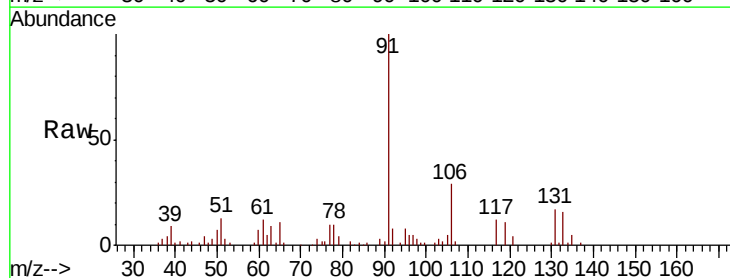
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

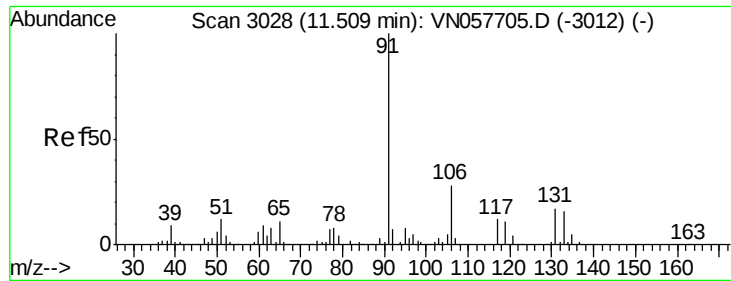
Tgt Ion:112 Resp: 39815
Ion Ratio Lower Upper
112 100
114 30.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 4.465 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion:131 Resp: 12474
Ion Ratio Lower Upper
131 100
133 98.4 47.6 142.9
119 65.6 32.8 98.3

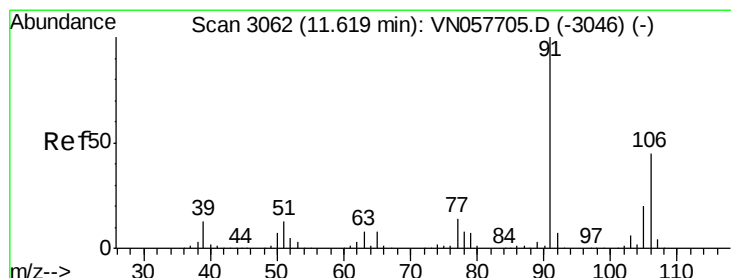
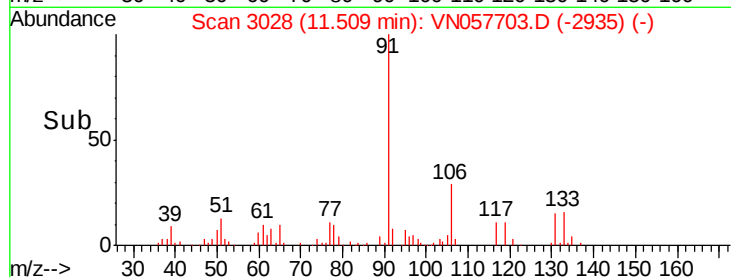
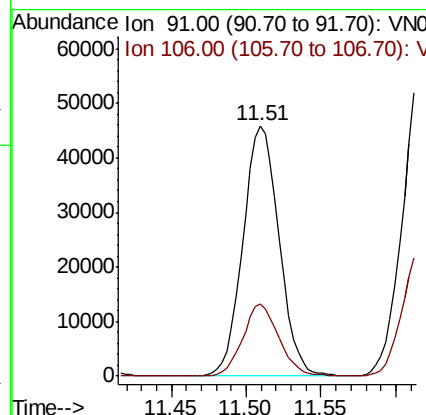
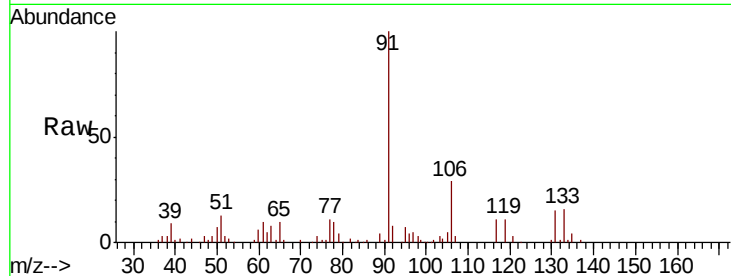




#67
Ethyl Benzene
Concen: 5.262 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

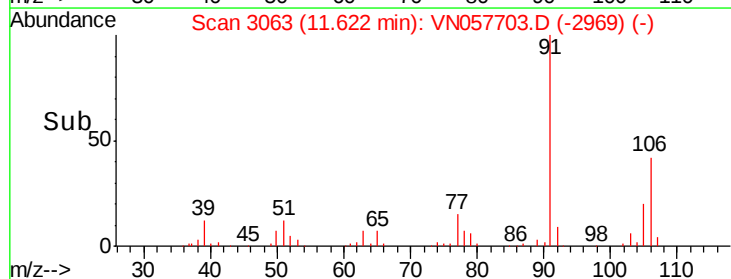
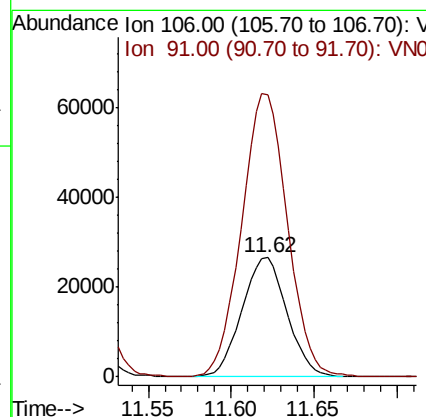
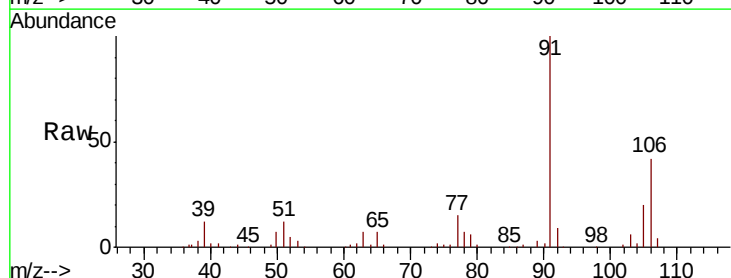
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

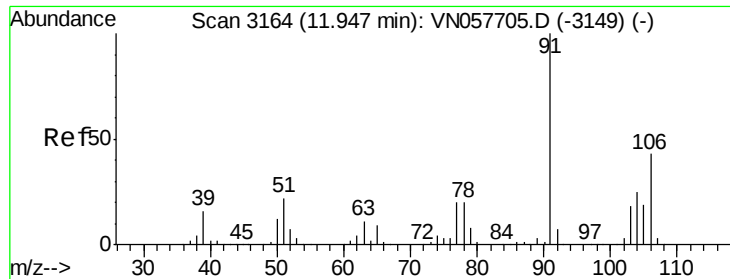
Tgt Ion: 91 Resp: 77219
Ion Ratio Lower Upper
91 100
106 28.8 22.8 34.2



#68
m/p-Xylenes
Concen: 9.937 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 106 Resp: 50228
Ion Ratio Lower Upper
106 100
91 241.3 179.8 269.8

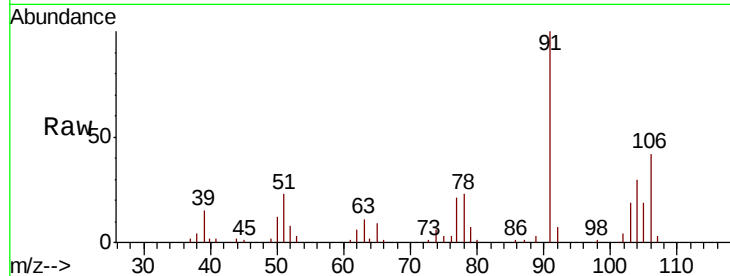




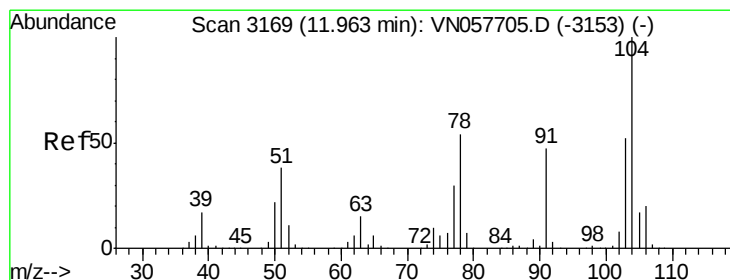
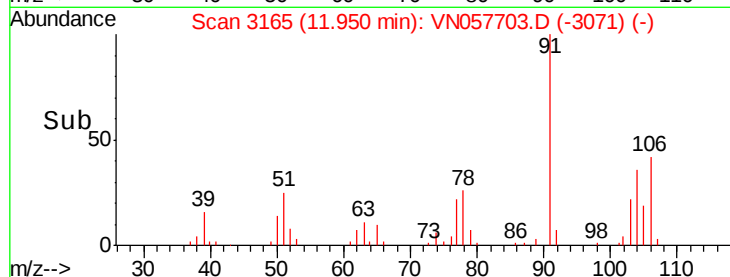
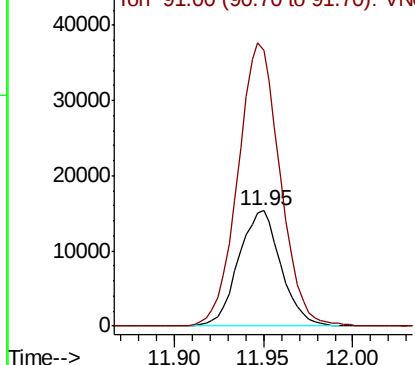
#69
o-Xylene
Concen: 5.054 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 25456
Ion Ratio Lower Upper
106 100
91 244.6 116.8 350.4

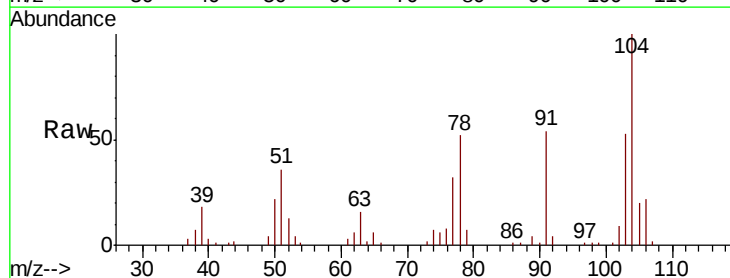


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

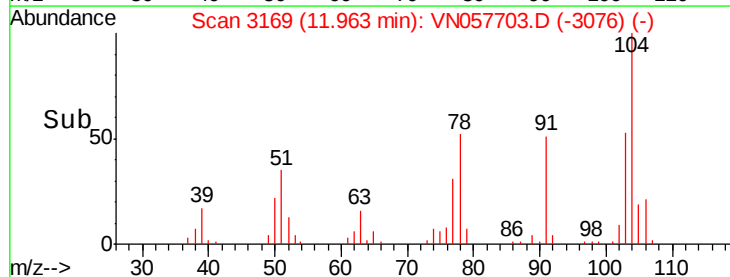
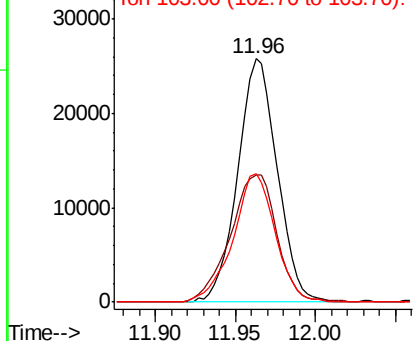


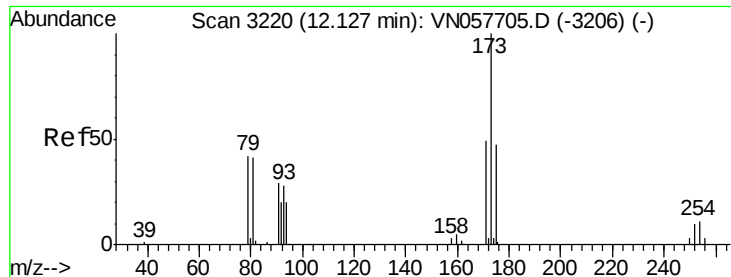
#70
Styrene
Concen: 5.401 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion:104 Resp: 43341
Ion Ratio Lower Upper
104 100
78 62.0 48.5 72.7
103 56.3 45.0 67.4



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

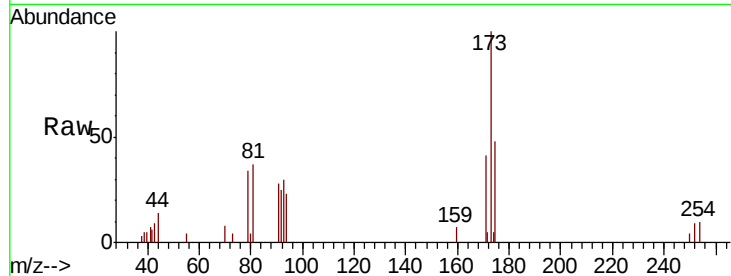




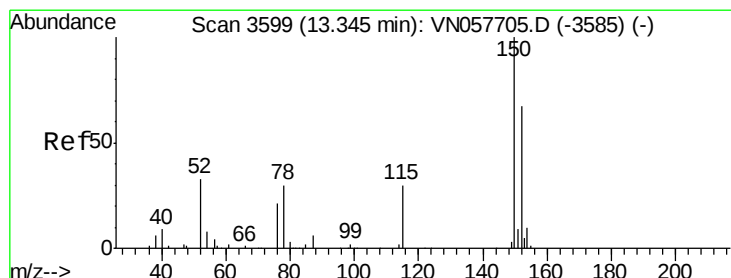
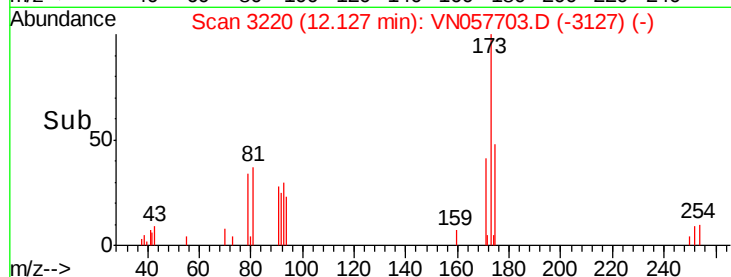
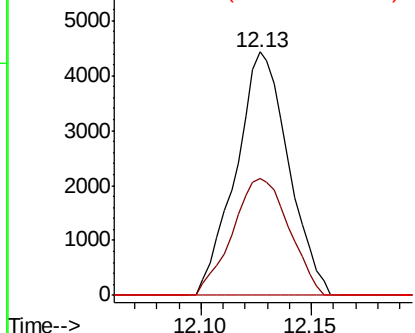
#71
 Bromoform
 Concen: 4.206 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:173 Resp: 7346
 Ion Ratio Lower Upper
 173 100
 175 51.6 24.6 73.8
 254 0.0 0.0 0.0

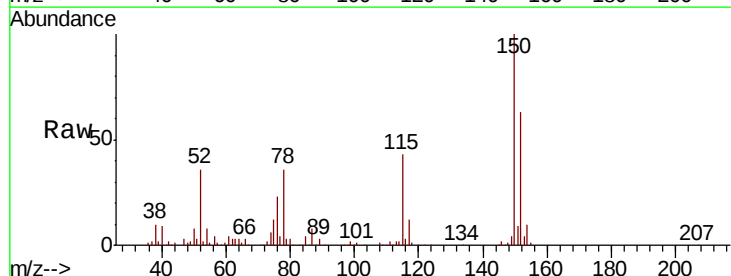


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

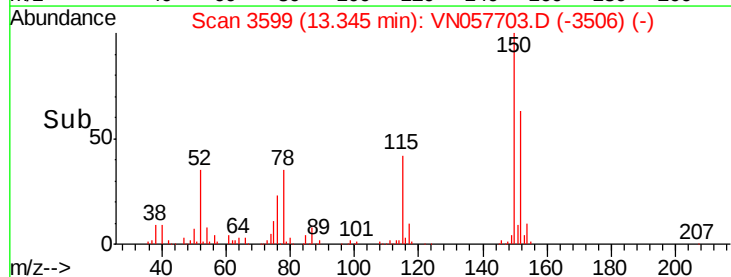
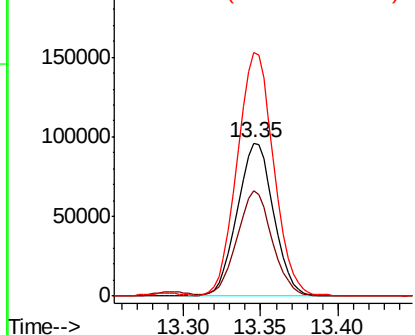


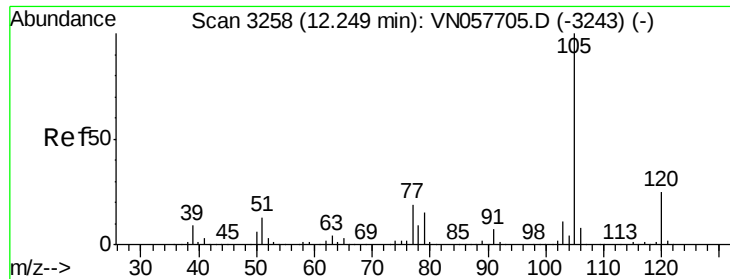
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion:152 Resp: 157139
 Ion Ratio Lower Upper
 152 100
 115 66.1 33.8 101.3
 150 160.2 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.890 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

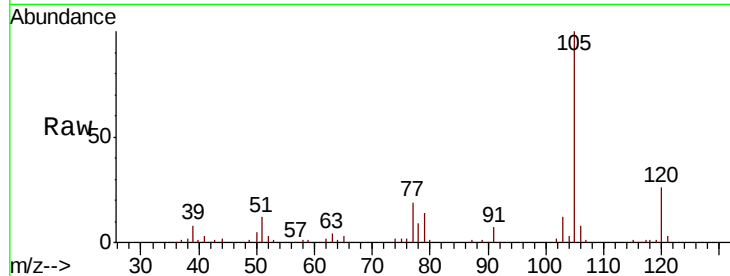
VSTDIC005

Tgt Ion: 105 Resp: 73311

Ion Ratio Lower Upper

105 100

120 24.2 12.2 36.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

40000

30000

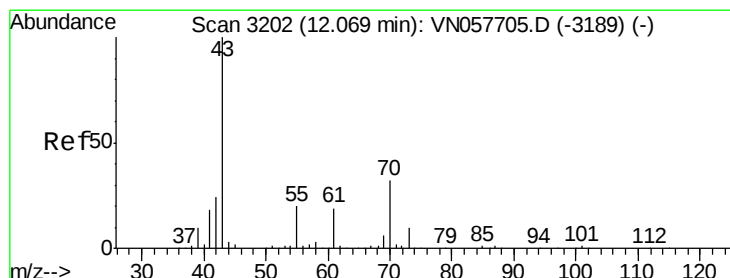
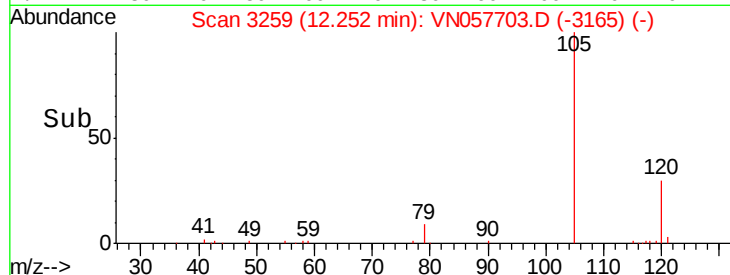
20000

10000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 4.132 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Tgt Ion: 43 Resp: 32358

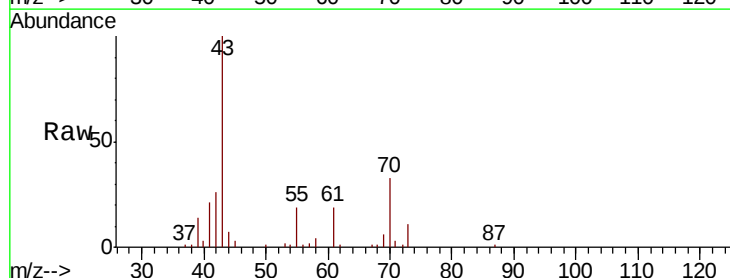
Ion Ratio Lower Upper

43 100

70 34.5 26.1 39.1

55 22.9 16.3 24.5

61 18.5 15.0 22.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

30000

25000

20000

15000

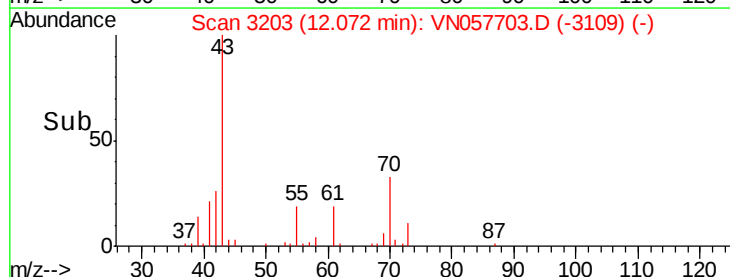
10000

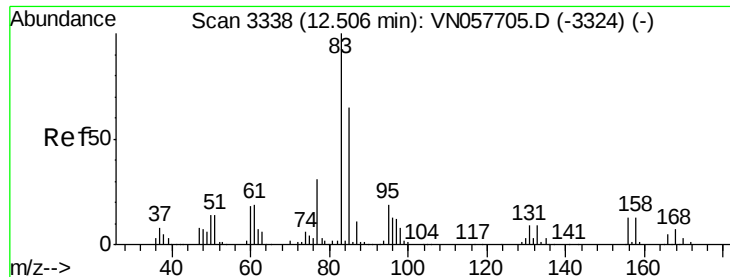
5000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 4.086 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

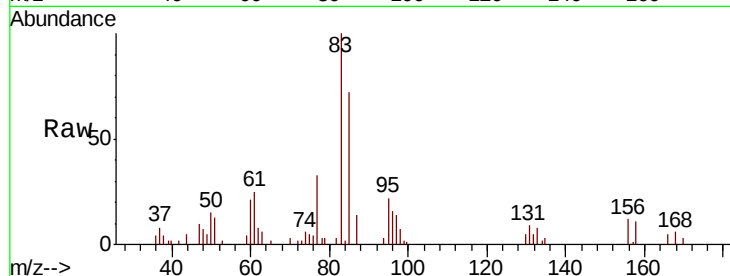
Tgt Ion: 83 Resp: 20877

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.5

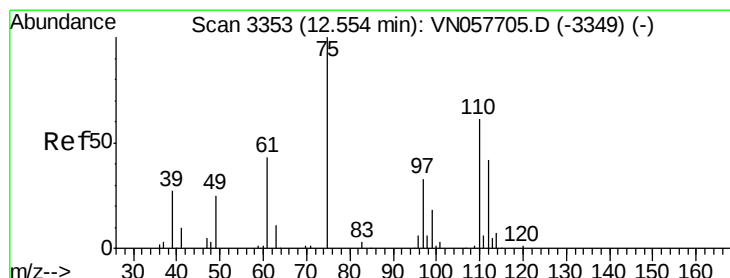
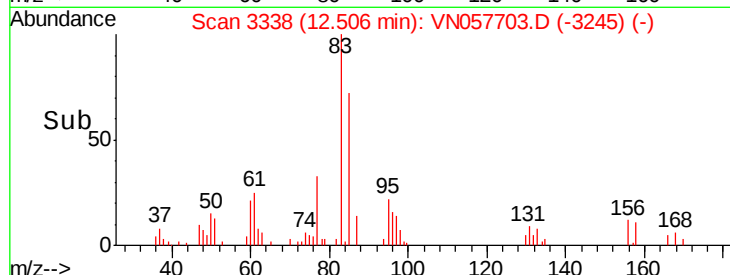
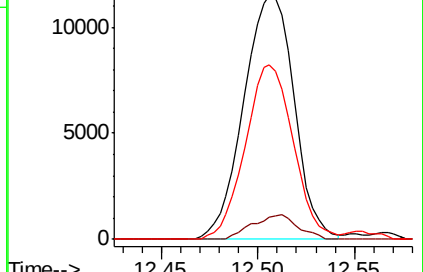
85 68.0 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VN057705.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN057705.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN057705.D (-3324) (-)



#76

1,2,3-Trichloropropane

Concen: 6.400 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057703.D

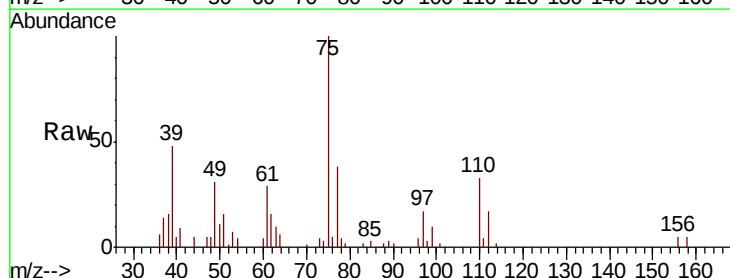
Acq: 5 Sep 2019 18:10

Tgt Ion: 75 Resp: 27620

Ion Ratio Lower Upper

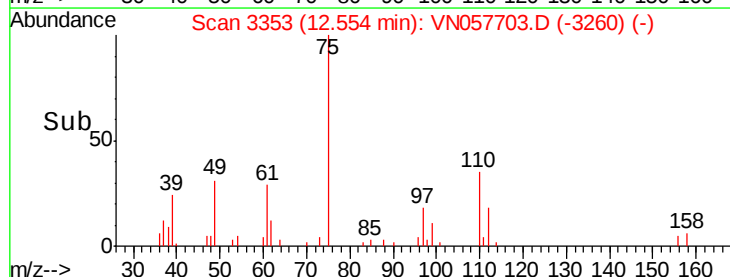
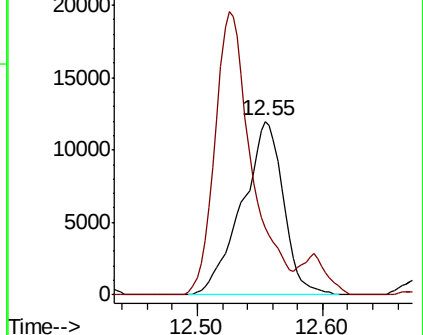
75 100

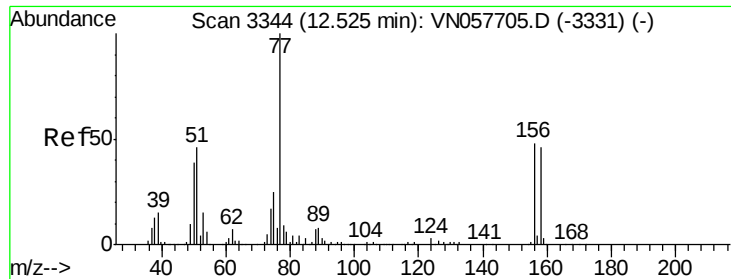
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057705.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN057705.D (-3349) (-)





#77

Bromobenzene

Concen: 3.863 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

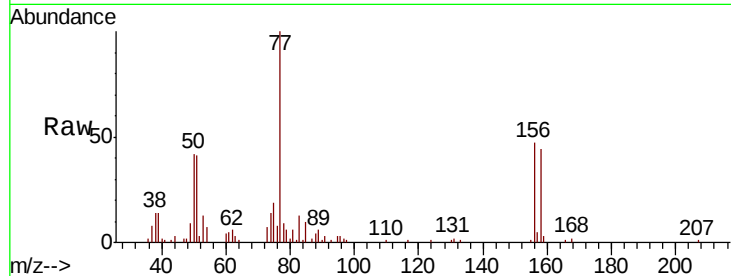
Tgt Ion:156 Resp: 15535

Ion Ratio Lower Upper

156 100

77 255.7 125.4 376.2

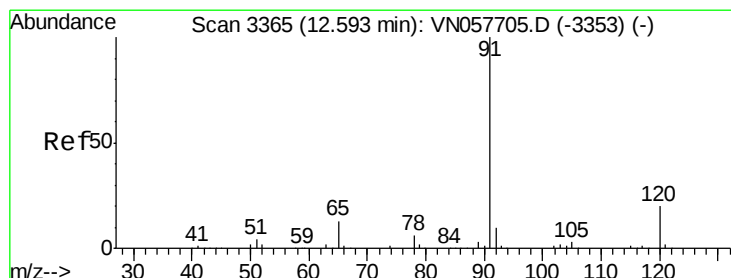
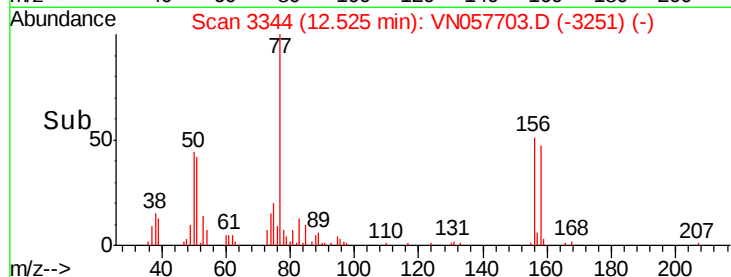
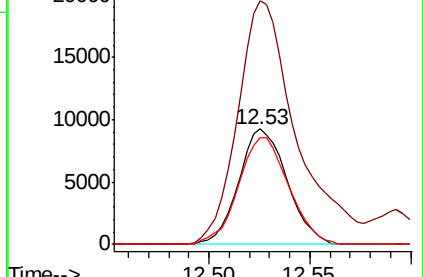
158 96.1 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.048 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057703.D

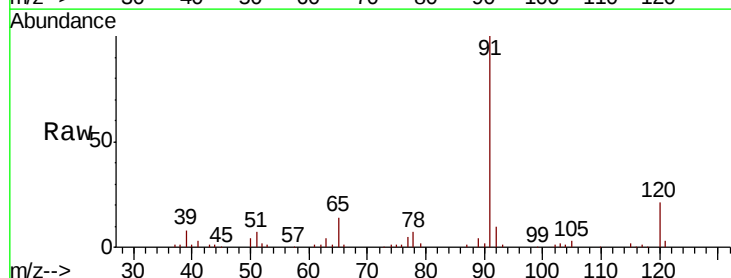
Acq: 5 Sep 2019 18:10

Tgt Ion: 91 Resp: 83238

Ion Ratio Lower Upper

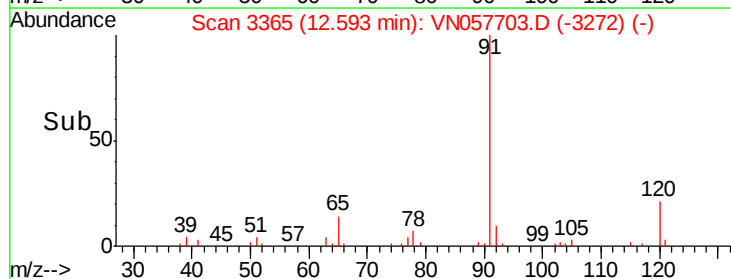
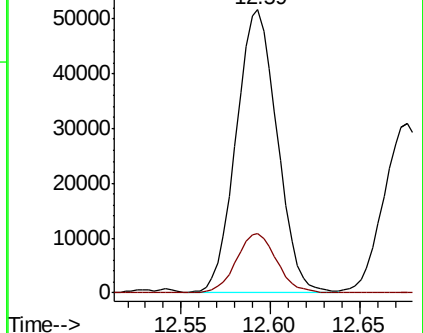
91 100

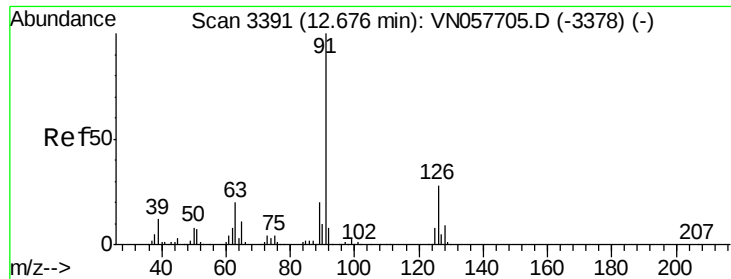
120 20.5 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.170 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

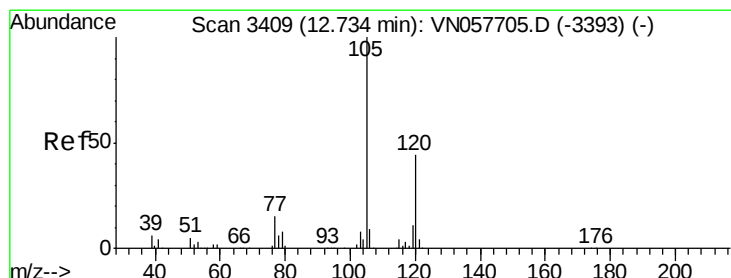
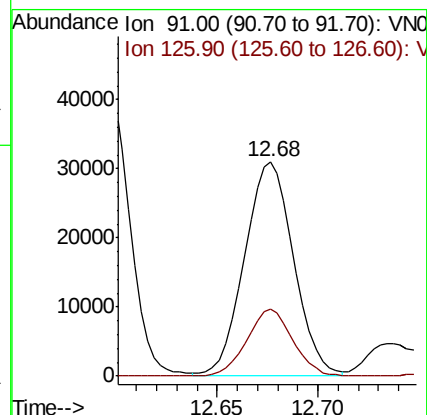
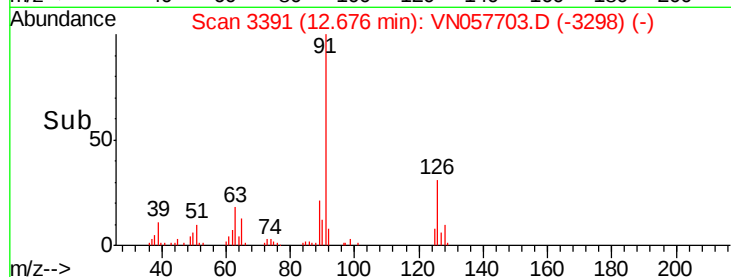
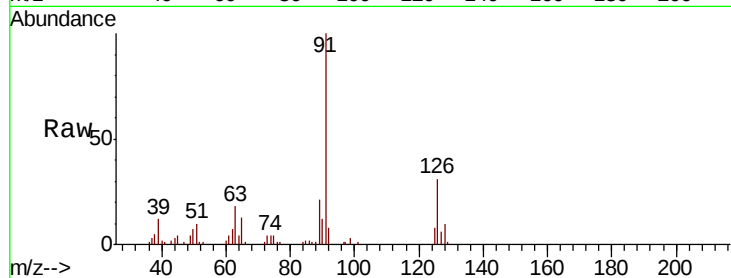
VSTDIC005

Tgt Ion: 91 Resp: 52899

Ion Ratio Lower Upper

91 100

126 29.0 14.5 43.5



#80

1,3,5-Trimethylbenzene

Concen: 3.957 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057703.D

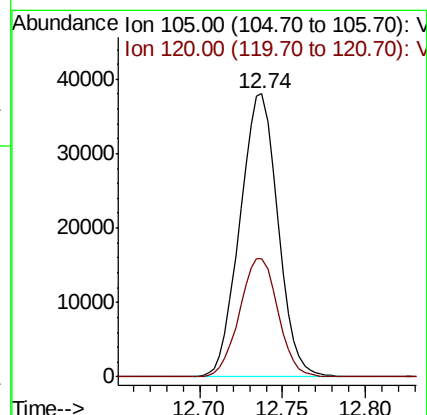
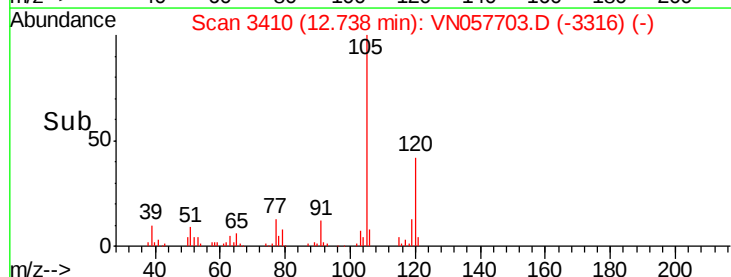
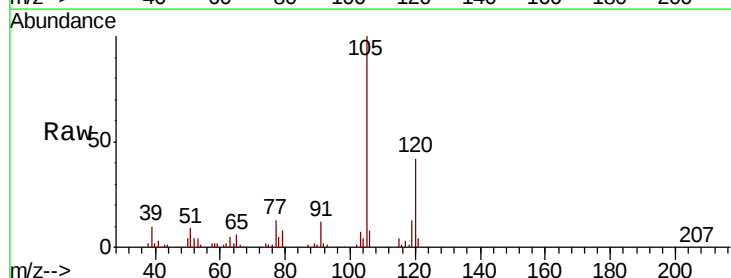
Acq: 5 Sep 2019 18:10

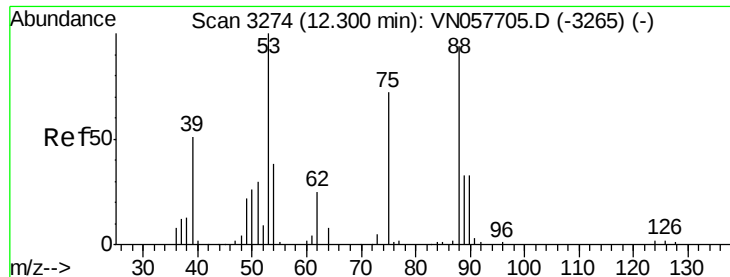
Tgt Ion: 105 Resp: 60711

Ion Ratio Lower Upper

105 100

120 42.3 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 3.928 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

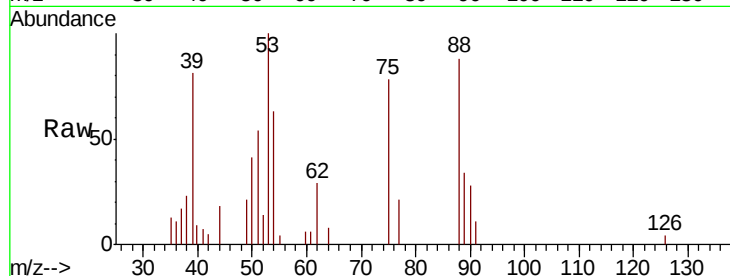
Tgt Ion: 75 Resp: 4976

Ion Ratio Lower Upper

75 100

53 141.1 107.0 160.6

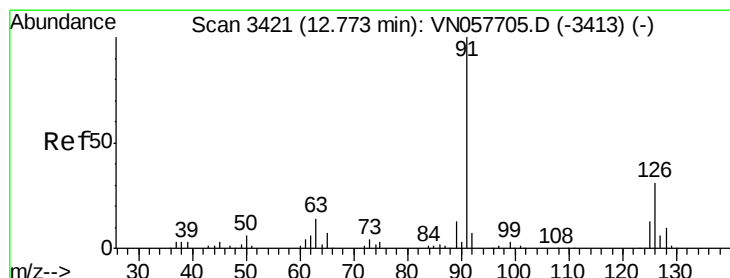
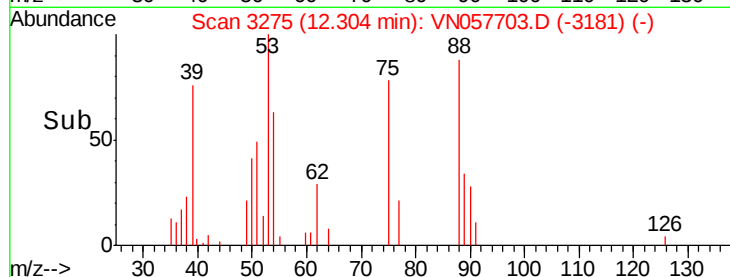
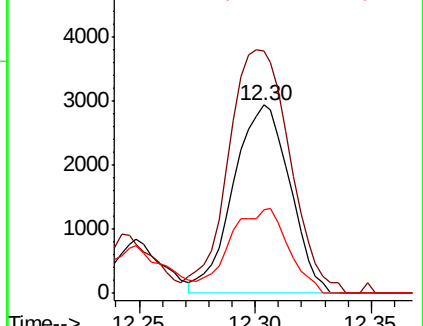
89 46.5 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VN057705.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057705.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN057705.D (-3265) (-)



#82

4-Chlorotoluene

Concen: 4.562 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057703.D

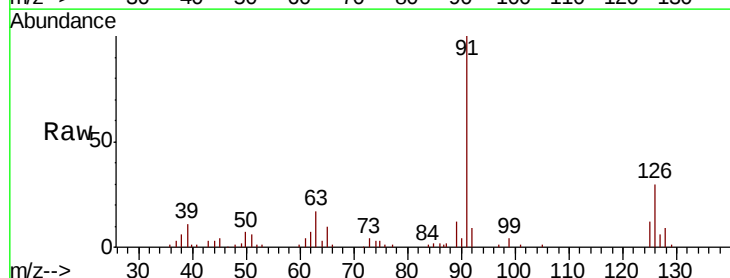
Acq: 5 Sep 2019 18:10

Tgt Ion: 91 Resp: 54817

Ion Ratio Lower Upper

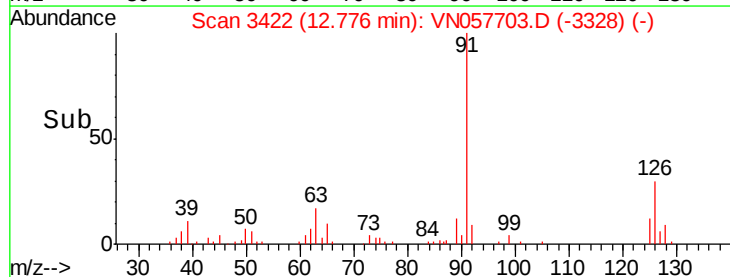
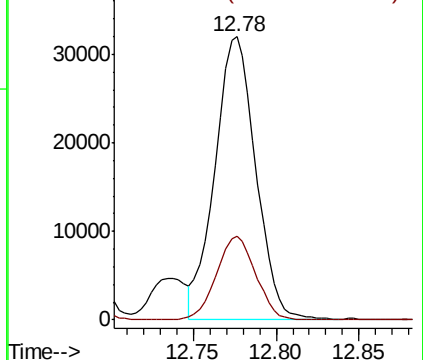
91 100

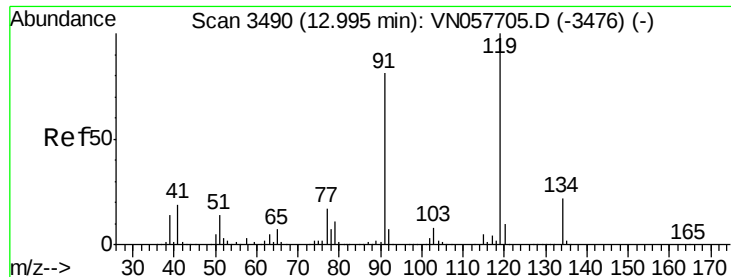
126 28.3 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN057705.D (-3413) (-)

Ion 125.90 (125.60 to 126.60): VN057705.D (-3413) (-)

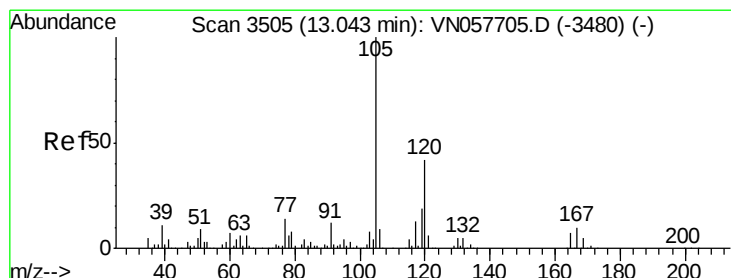
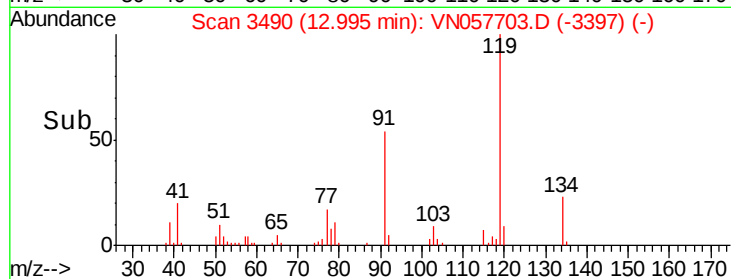
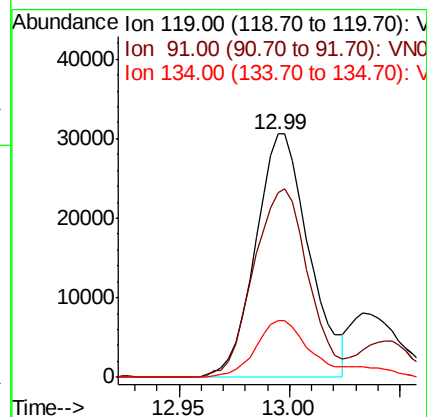
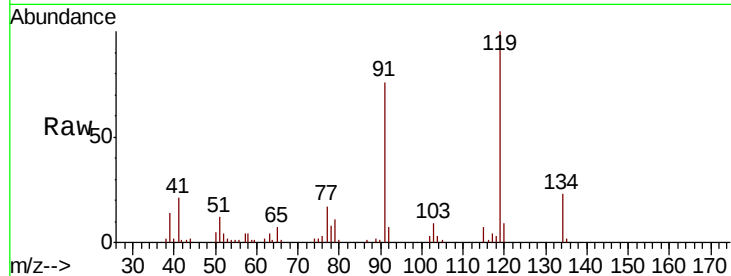




#83
 tert-Butylbenzene
 Concen: 3.792 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

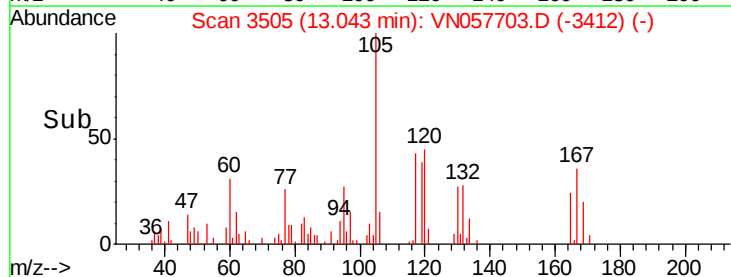
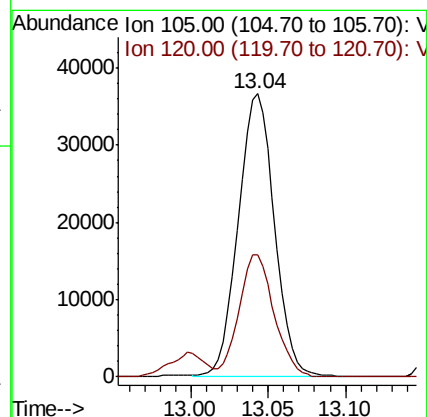
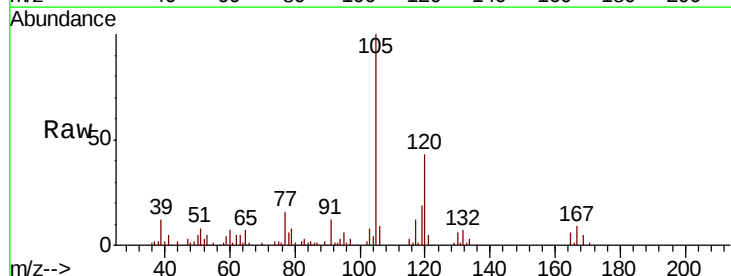
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

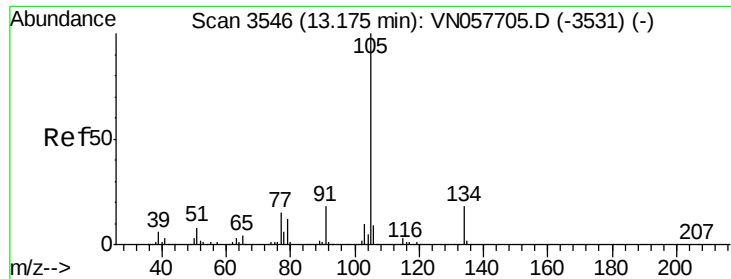
Tgt Ion:119 Resp: 51199
 Ion Ratio Lower Upper
 119 100
 91 79.3 39.6 118.8
 134 23.2 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 4.236 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion:105 Resp: 59512
 Ion Ratio Lower Upper
 105 100
 120 41.3 20.8 62.5

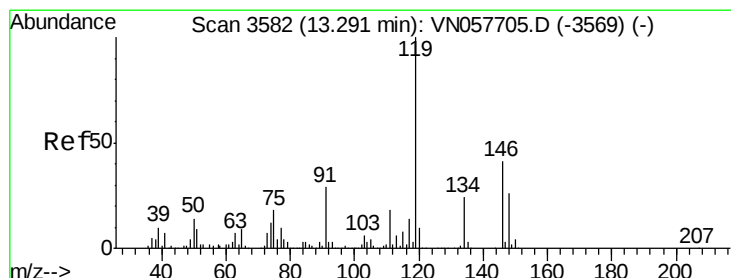
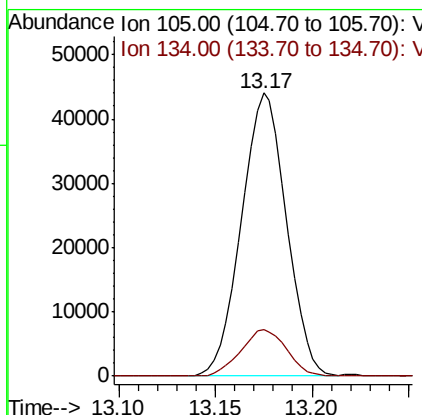
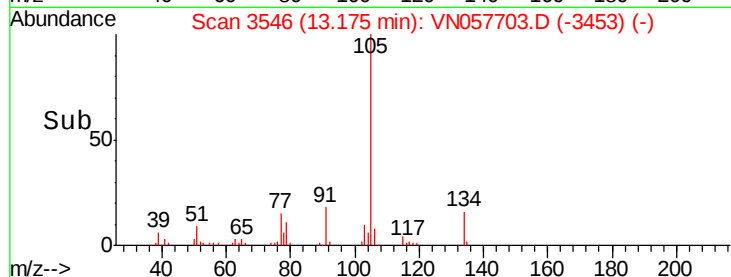
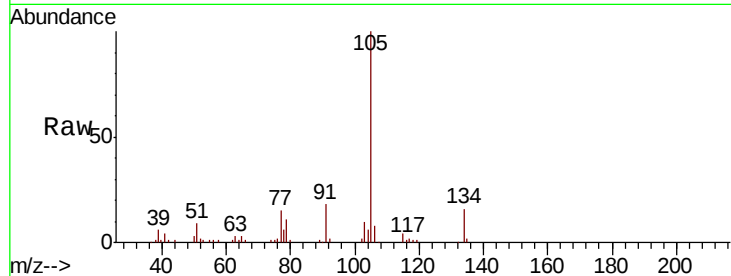




#85
 sec-Butylbenzene
 Concen: 4.182 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

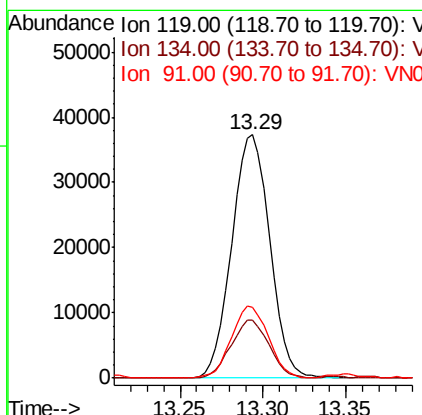
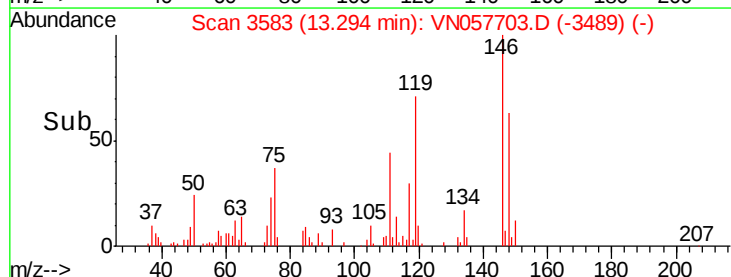
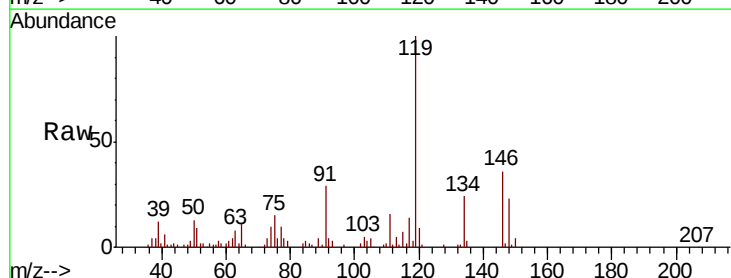
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

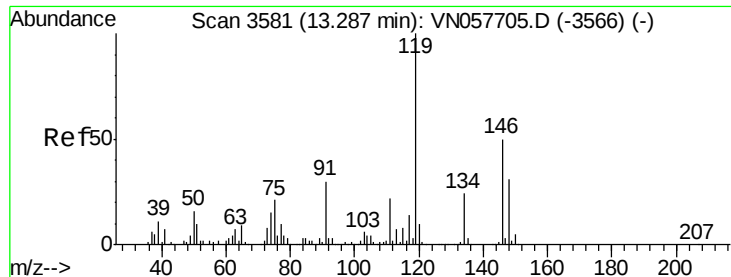
Tgt Ion:105 Resp: 71087
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.8 26.5



#86
 p-Isopropyltoluene
 Concen: 4.256 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion:119 Resp: 59662
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.4 37.0
 91 28.6 14.8 44.3





#87

1,3-Dichlorobenzene

Concen: 5.101 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

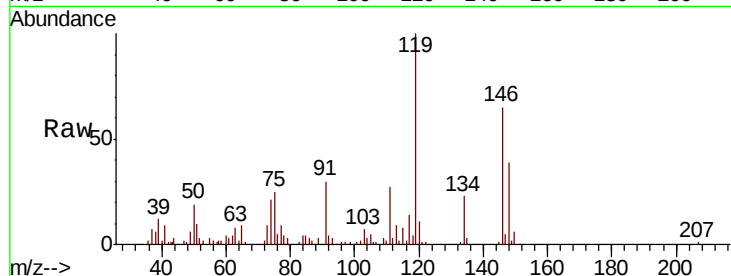
Tgt Ion:146 Resp: 28236

Ion Ratio Lower Upper

146 100

111 46.2 22.3 66.8

148 63.9 31.5 94.5

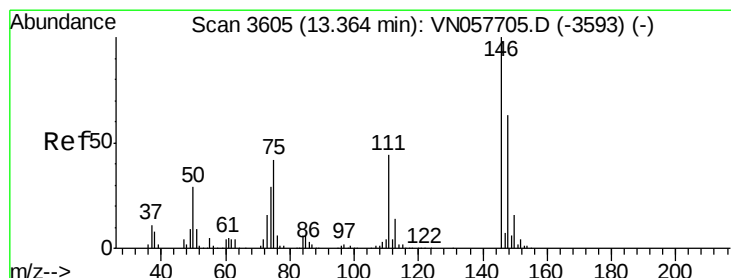
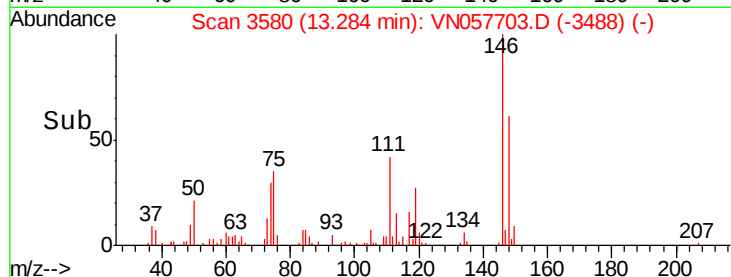
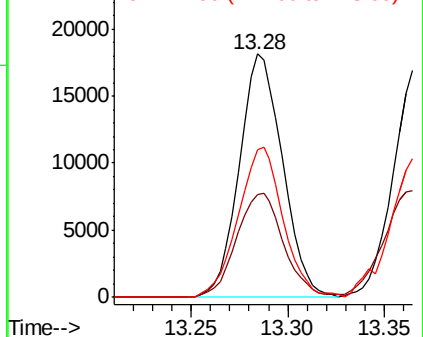


Abundance

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: 5.055 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

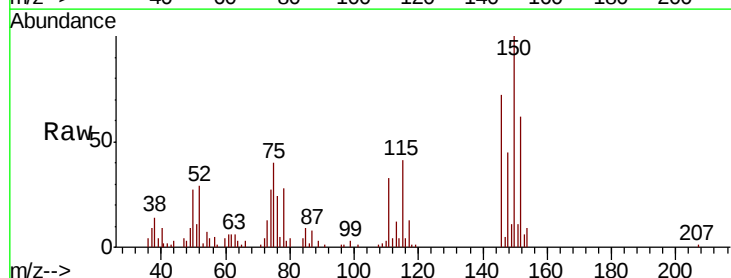
Tgt Ion:146 Resp: 28496

Ion Ratio Lower Upper

146 100

111 53.7 22.3 66.9

148 65.7 31.9 95.7

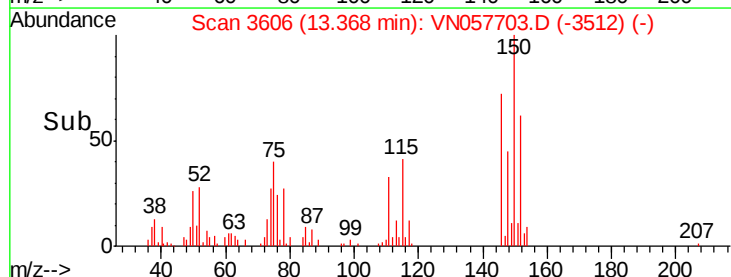
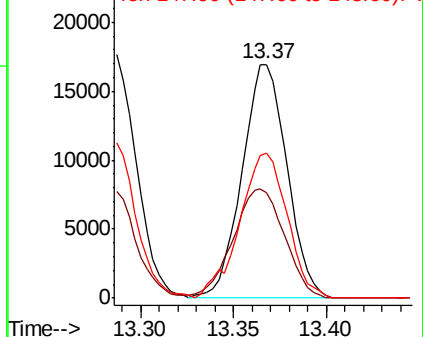


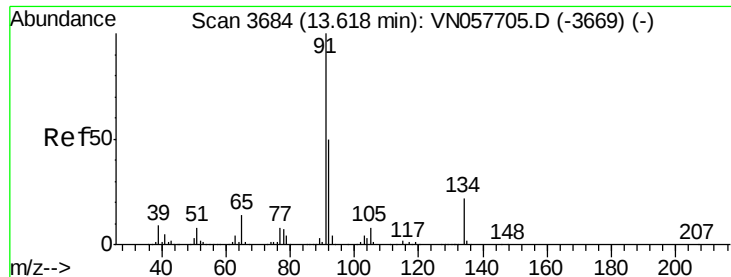
Abundance

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

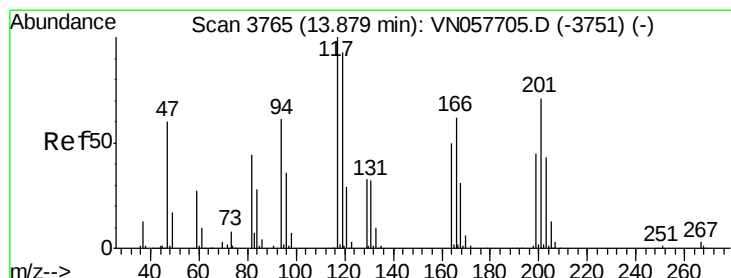
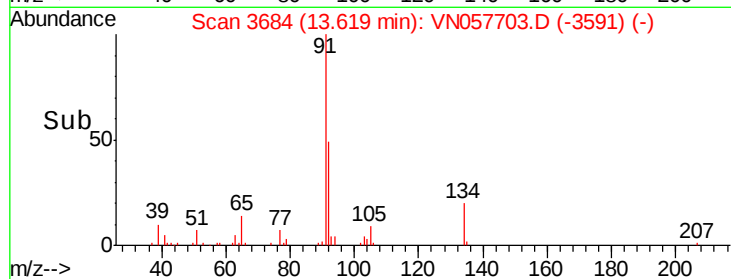
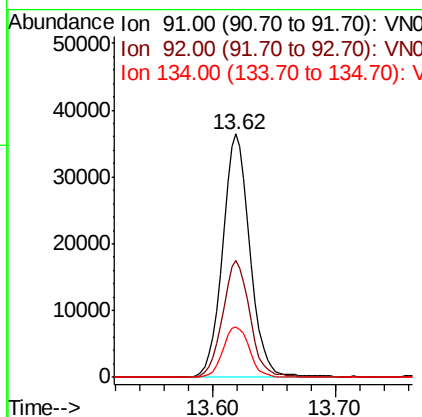
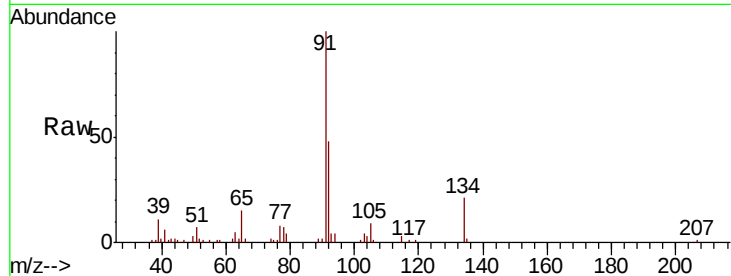




#89
n-Butylbenzene
Concen: 4.688 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

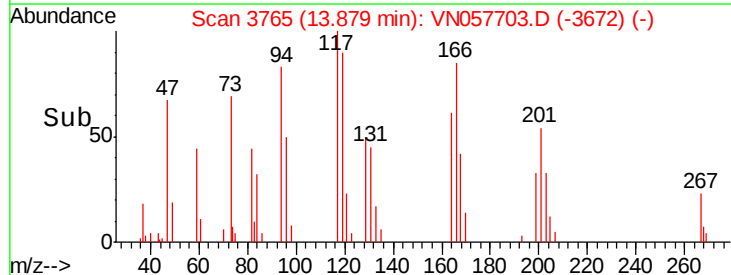
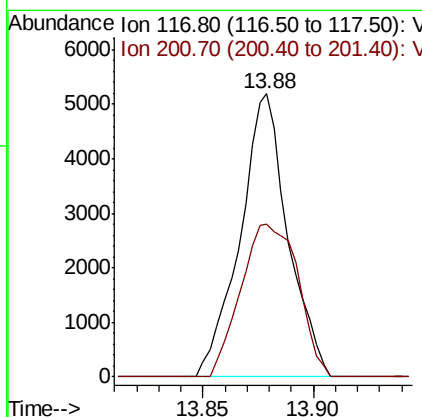
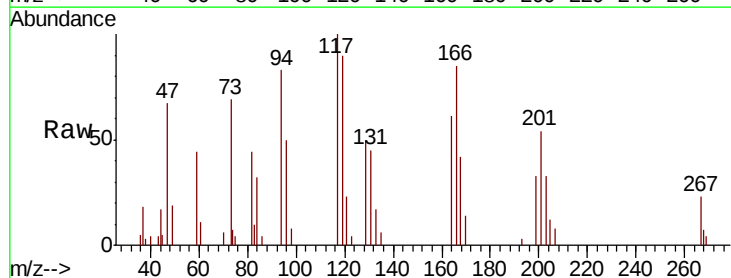
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

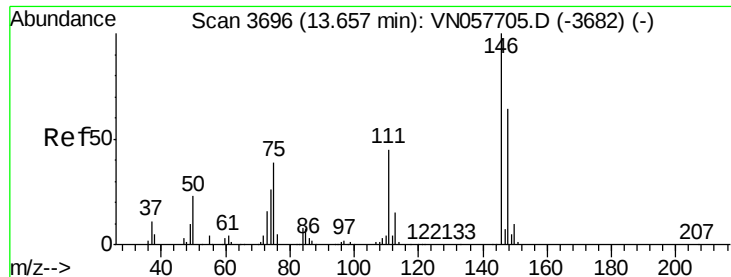
Tgt Ion: 91 Resp: 57406
Ion Ratio Lower Upper
91 100
92 47.6 25.6 76.8
134 19.8 11.2 33.5



#90
Hexachloroethane
Concen: 3.131 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057703.D
Acq: 5 Sep 2019 18:10

Tgt Ion: 117 Resp: 7811
Ion Ratio Lower Upper
117 100
201 64.5 36.4 109.2





#91

1,2-Dichlorobenzene

Concen: 5.355 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

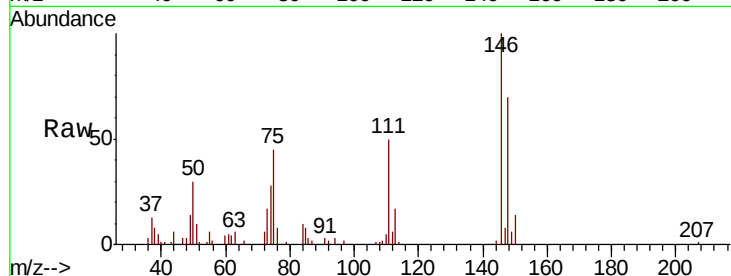
Tgt Ion:146 Resp: 28181

Ion Ratio Lower Upper

146 100

111 44.7 22.8 68.3

148 64.6 31.6 95.0

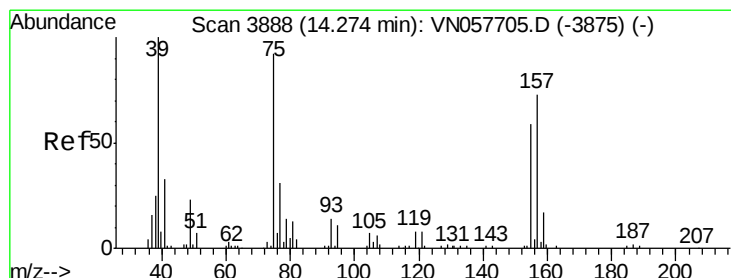
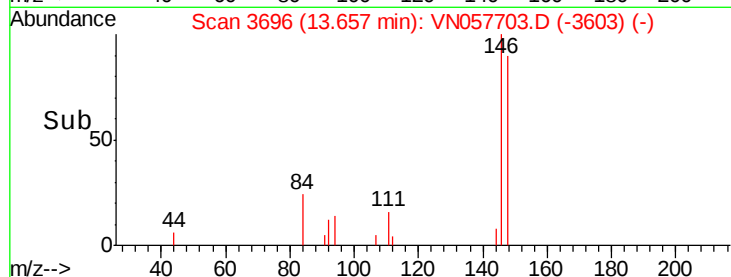
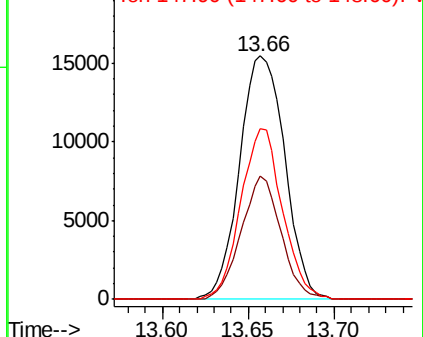


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.306 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

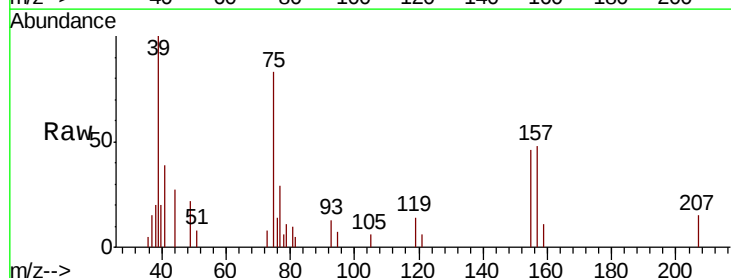
Tgt Ion: 75 Resp: 3996

Ion Ratio Lower Upper

75 100

155 59.2 30.1 90.5

157 67.3 38.1 114.5

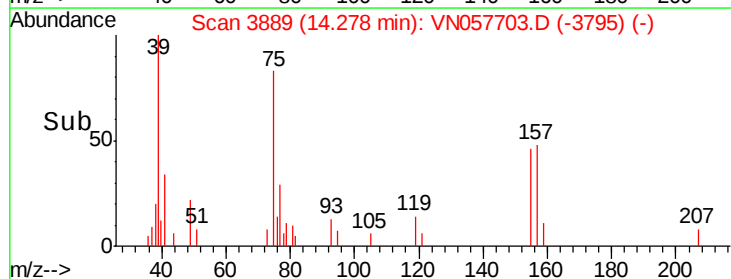
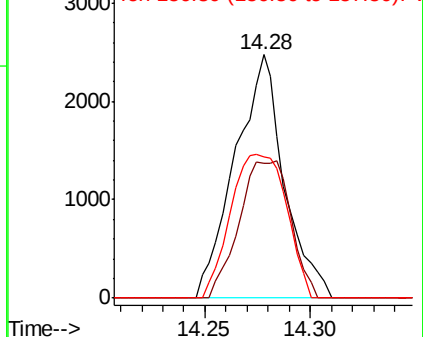


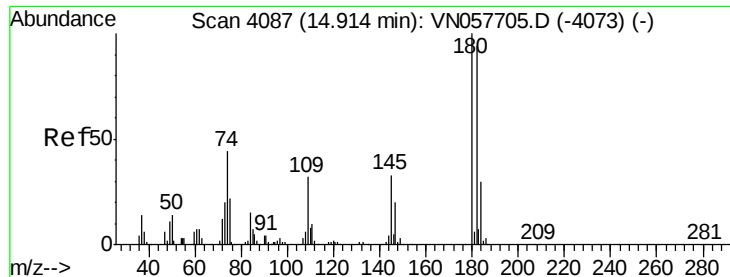
Abundance

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

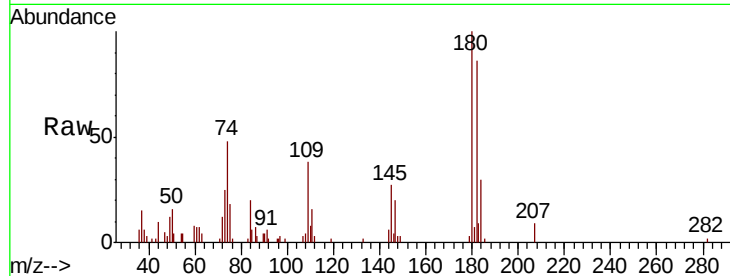




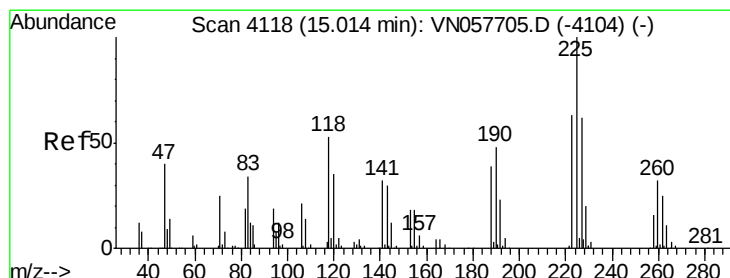
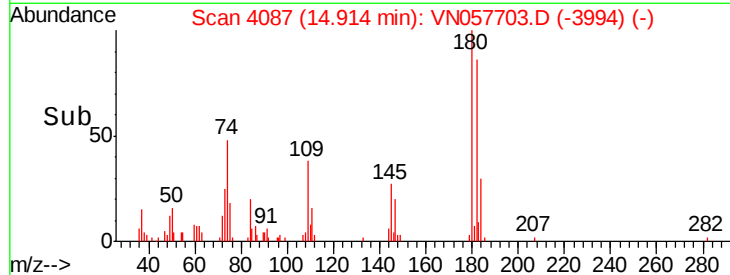
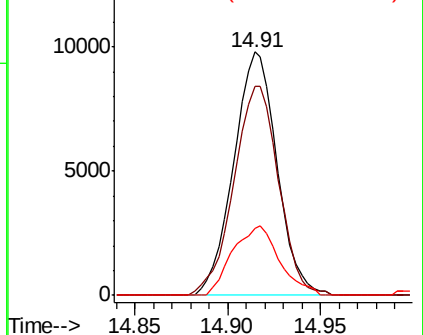
#93
 1,2,4-Trichlorobenzene
 Concen: 8.271 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion:180 Resp: 15931
 Ion Ratio Lower Upper
 180 100
 182 88.7 47.6 142.9
 145 30.9 16.6 49.7

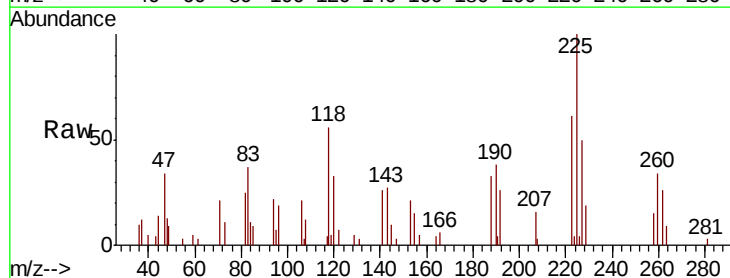


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

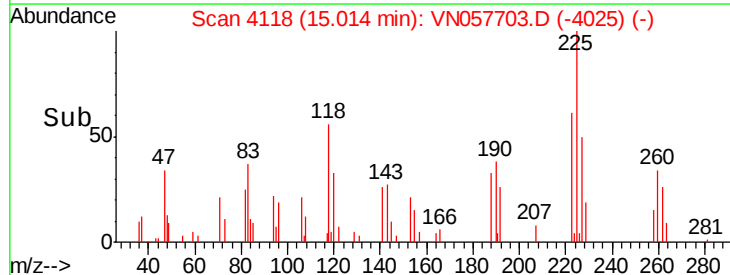
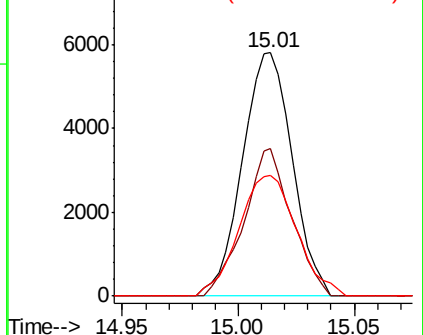


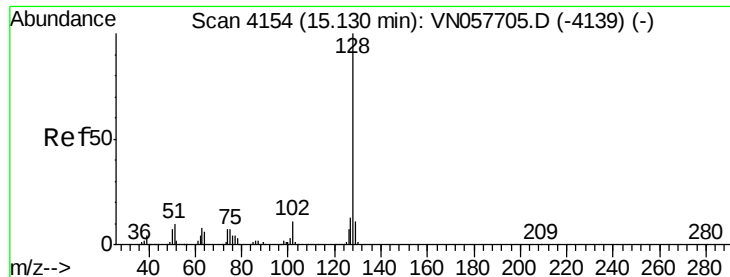
#94
 Hexachlorobutadiene
 Concen: 4.082 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057703.D
 Acq: 5 Sep 2019 18:10

Tgt Ion:225 Resp: 8696
 Ion Ratio Lower Upper
 225 100
 223 57.8 31.6 95.0
 227 57.3 31.7 95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 9.102 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

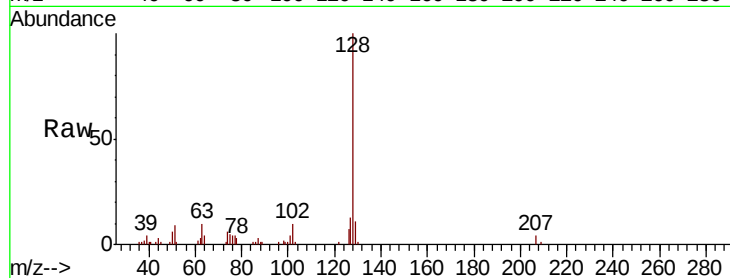
Tgt Ion:128 Resp: 46002

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

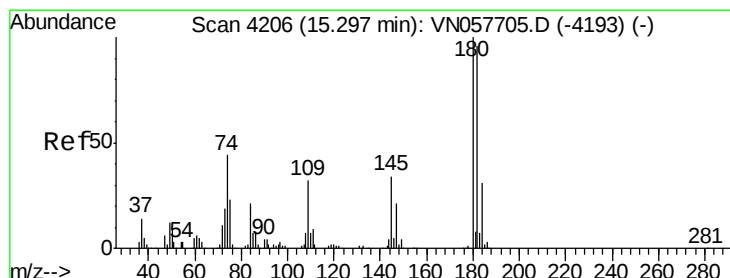
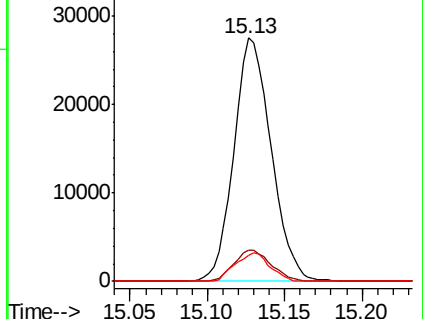
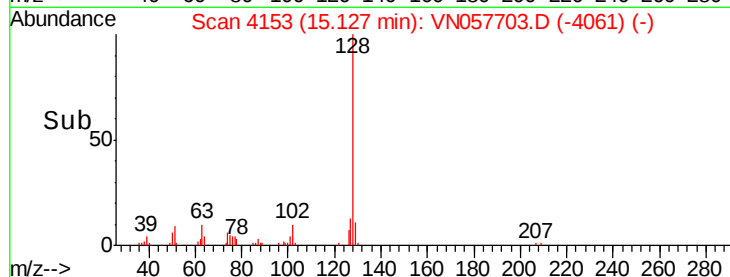
129 10.8 8.4 12.6



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: 8.293 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057703.D

Acq: 5 Sep 2019 18:10

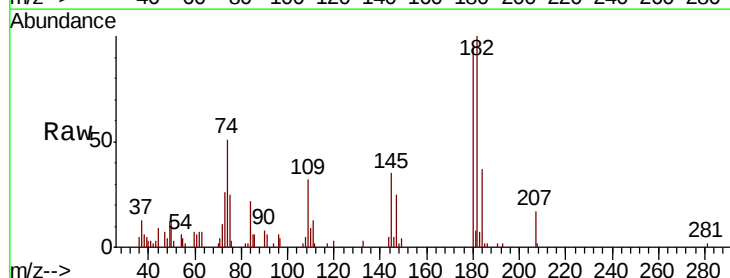
Tgt Ion:180 Resp: 14917

Ion Ratio Lower Upper

180 100

182 100.9 47.0 141.2

145 36.7 17.5 52.6



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

