

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055615.D
 Acq On : 17 May 2019 17:09
 Operator : JC/SP
 Sample : VN0517WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 03:10:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	324787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	493997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	427699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187003	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	178231	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	7.59	113	159165	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.09	98	586771	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.40	95	199700	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	45770	18.316	ug/l	98
3) Chloromethane	2.06	50	60629	18.190	ug/l	99
4) Vinyl Chloride	2.19	62	67768	18.776	ug/l	99
5) Bromomethane	2.57	94	48742	21.190	ug/l	100
6) Chloroethane	2.71	64	38618	19.270	ug/l	99
7) Trichlorofluoromethane	3.03	101	89630	19.379	ug/l	100
8) Diethyl Ether	3.41	74	37500	20.183	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	53576	19.000	ug/l	99
10) Methyl Iodide	3.96	142	62245	15.312	ug/l	98
11) Tert butyl alcohol	4.77	59	69487	104.659	ug/l	96
12) 1,1-Dichloroethene	3.74	96	56528	19.058	ug/l	98
13) Acrolein	3.61	56	32672	97.308	ug/l	98
14) Allyl chloride	4.33	41	91946	19.202	ug/l	99
15) Acrylonitrile	4.99	53	151481	102.550	ug/l	99
16) Acetone	3.82	43	129027	88.804	ug/l	99
17) Carbon Disulfide	4.06	76	153312	18.593	ug/l	100
18) Methyl Acetate	4.33	43	62187	19.964	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	193261	19.695	ug/l	97
20) Methylene Chloride	4.56	84	62220	18.764	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	60709	19.213	ug/l	98
22) Diisopropyl ether	5.95	45	179116	18.877	ug/l	92
23) Vinyl Acetate	5.90	43	789246	98.028	ug/l	100
24) 1,1-Dichloroethane	5.85	63	109165	19.621	ug/l	100
25) 2-Butanone	6.83	43	200986	98.933	ug/l	100
26) 2,2-Dichloropropane	6.83	77	85919	17.400	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	71184	19.347	ug/l	97
28) Bromochloromethane	7.20	49	48650	20.100	ug/l	97
29) Tetrahydrofuran	7.21	42	137919	102.473	ug/l	99
30) Chloroform	7.37	83	109340	19.146	ug/l	98
31) Cyclohexane	7.66	56	100266	18.989	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	97070	18.950	ug/l	99
36) 1,1-Dichloropropene	7.80	75	81508	18.507	ug/l	99
37) Ethyl Acetate	6.93	43	84722	21.317	ug/l	98
38) Carbon Tetrachloride	7.78	117	87873	18.671	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	96950	18.260	ug/l	100
40) Benzene	8.04	78	250888	19.367	ug/l	99
41) Methacrylonitrile	7.21	41	119967	70.603	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	84884	20.235	ug/l	99
43) Isopropyl Acetate	8.16	43	136843	19.794	ug/l	99
44) Trichloroethene	8.84	130	71416	19.537	ug/l	98
45) 1,2-Dichloropropane	9.12	63	65283	19.129	ug/l	99
46) Dibromomethane	9.21	93	43878	19.644	ug/l	98
47) Bromodichloromethane	9.40	83	88016	18.802	ug/l	98
48) Methyl methacrylate	9.20	41	61609	19.938	ug/l	97
49) 1,4-Dioxane	9.20	88	26570	432.729	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	403062	99.393	ug/l	99
52) Toluene	10.16	92	154244	18.983	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	95018	18.859	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	105280	19.074	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	64577	19.306	ug/l	99
56) Ethyl methacrylate	10.43	69	97962	18.761	ug/l	99
57) 1,3-Dichloropropane	10.71	76	101889	19.232	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	219296	98.841	ug/l	99
59) 2-Hexanone	10.75	43	278930	97.696	ug/l	100
60) Dibromochloromethane	10.90	129	72954	19.243	ug/l	100
61) 1,2-Dibromoethane	11.01	107	65118	19.456	ug/l	99
64) Tetrachloroethene	10.63	164	64823	19.216	ug/l	100
65) Chlorobenzene	11.44	112	163532	18.904	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	66968	19.243	ug/l	99
67) Ethyl Benzene	11.51	91	290686	18.863	ug/l	100
68) m/p-Xylenes	11.62	106	219258	37.676	ug/l	98
69) o-Xylene	11.95	106	106602	18.728	ug/l	99
70) Styrene	11.96	104	179308	18.946	ug/l	99
71) Bromoform	12.13	173	57285	19.424	ug/l #	100
73) Isopropylbenzene	12.25	105	286577	20.412	ug/l	100
74) N-amyl acetate	12.07	43	100747	19.186	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	89244	20.590	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	109151	28.605	ug/l #	100
77) Bromobenzene	12.53	156	73636	19.173	ug/l	96
78) n-propylbenzene	12.59	91	305234	18.380	ug/l	100
79) 2-Chlorotoluene	12.67	91	186721	20.001	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	233475	19.585	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27299	18.390	ug/l	98
82) 4-Chlorotoluene	12.77	91	178805	18.274	ug/l	100
83) tert-Butylbenzene	12.99	119	205065	19.885	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	233633	19.819	ug/l	100
85) sec-Butylbenzene	13.17	105	263378	19.774	ug/l	100
86) p-Isopropyltoluene	13.29	119	238497	19.421	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	118252	18.622	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	115111	18.986	ug/l	99
89) n-Butylbenzene	13.61	91	188958	18.414	ug/l	100
90) Hexachloroethane	13.87	117	47015	19.838	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	118354	18.697	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17469	20.584	ug/l	100

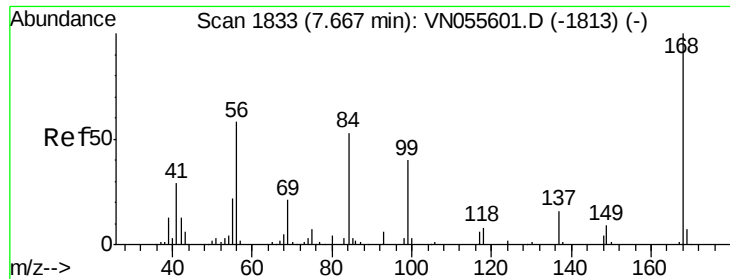
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Quant Title : SW846 8260
QLast Update : Fri May 17 23:54:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	61107	18.965	ug/l	99
94) Hexachlorobutadiene	15.01	225	39830	18.654	ug/l	99
95) Naphthalene	15.13	128	170923	18.721	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	65253	19.369	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

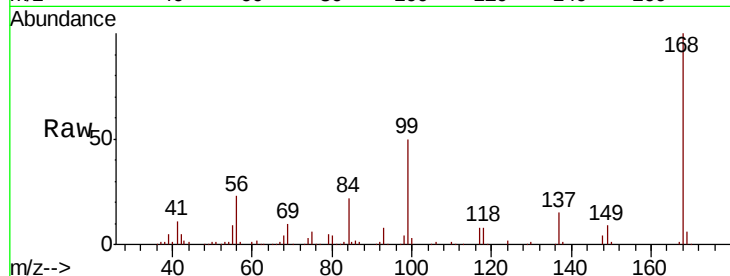
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 324787

Ion Ratio Lower Upper

168 100

99 49.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

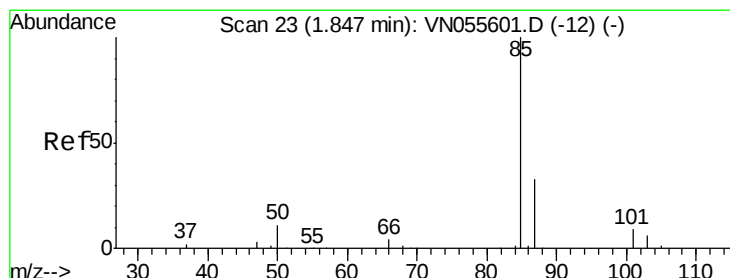
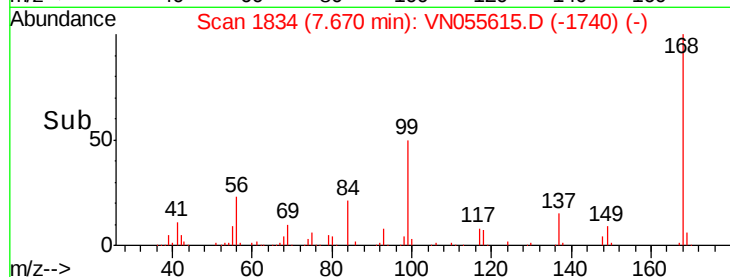
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 18.316 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055615.D

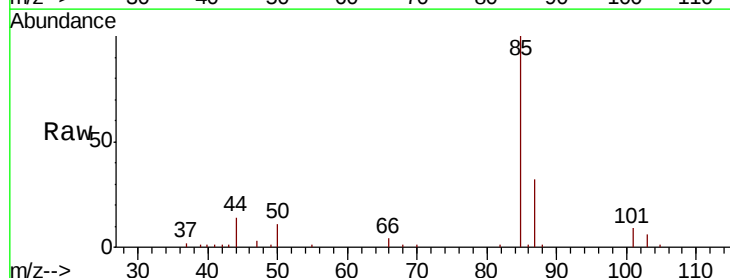
Acq: 17 May 2019 17:09

Tgt Ion: 85 Resp: 45770

Ion Ratio Lower Upper

85 100

87 32.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

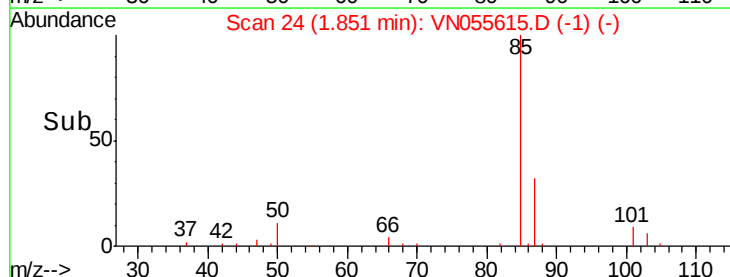
30000

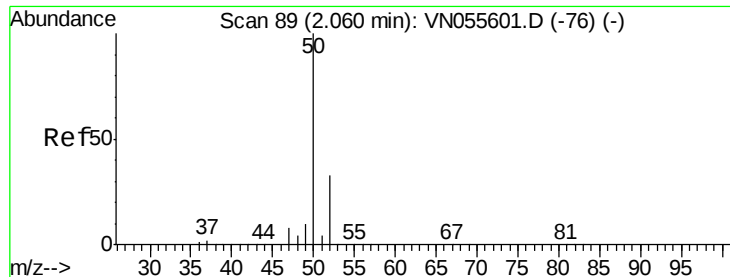
20000

10000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.190 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

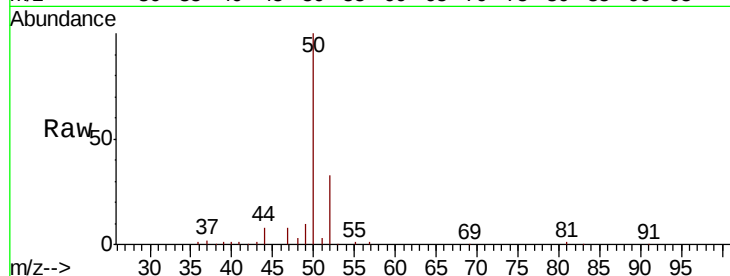
ClientSampleId :

Tot Ion: 50 Resp: 60629

Ion Ratio Lower Upper

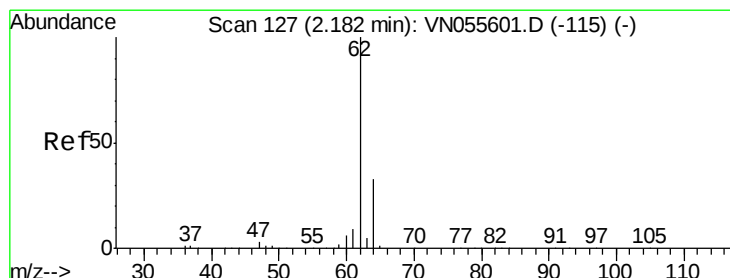
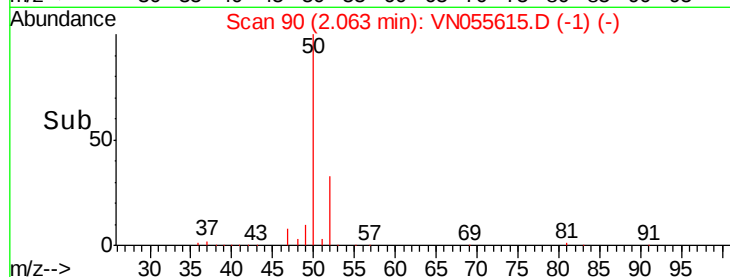
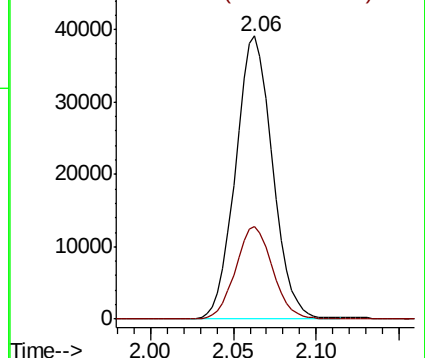
50 100

52 32.6 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.776 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055615.D

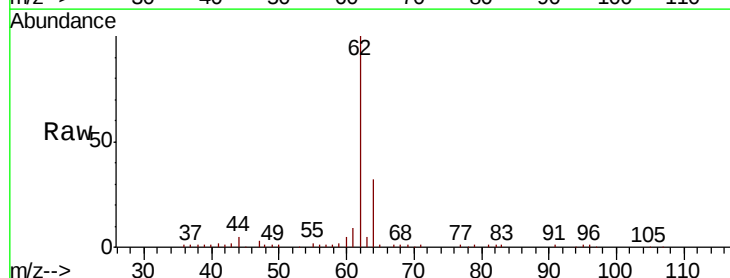
Acq: 17 May 2019 17:09

Tgt Ion: 62 Resp: 67768

Ion Ratio Lower Upper

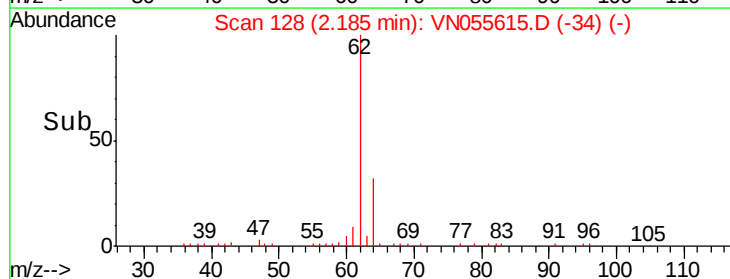
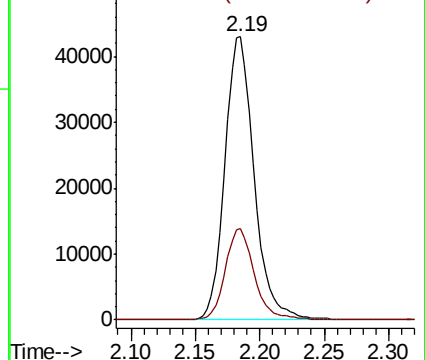
62 100

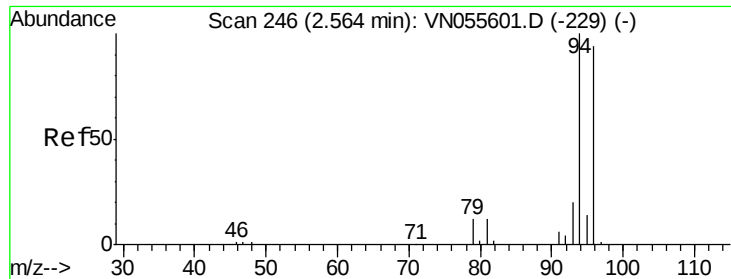
64 32.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.190 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

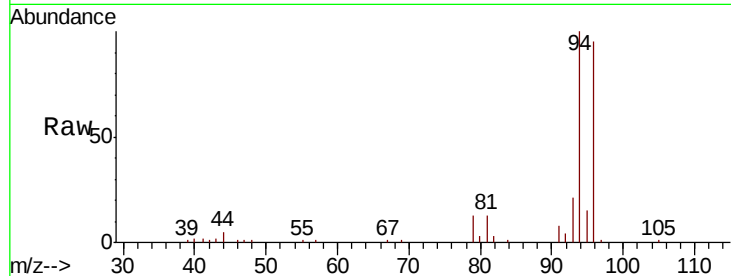
ClientSampled :

Tot Ion: 94 Resp: 48742

Ion Ratio Lower Upper

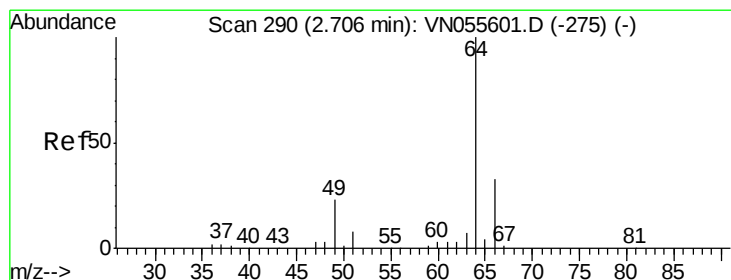
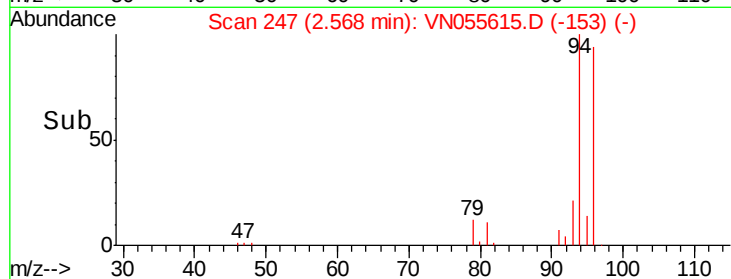
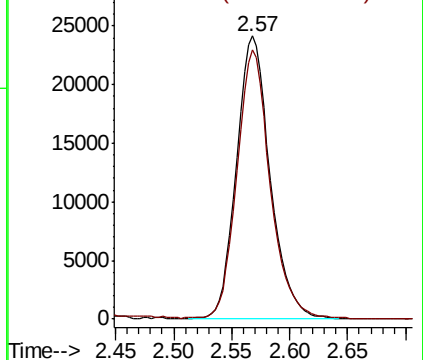
94 100

96 94.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.270 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN055615.D

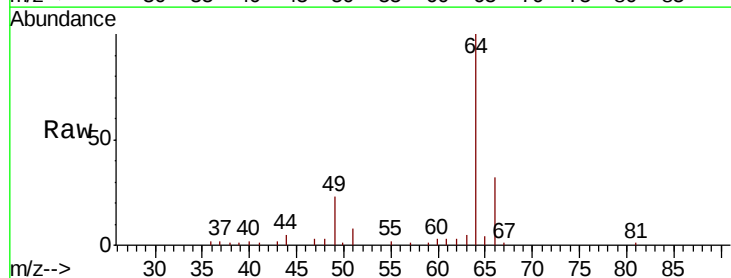
Acq: 17 May 2019 17:09

Tgt Ion: 64 Resp: 38618

Ion Ratio Lower Upper

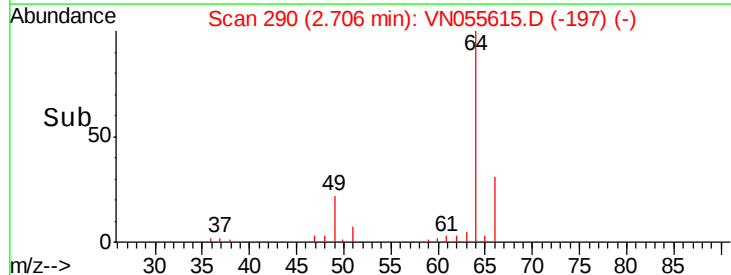
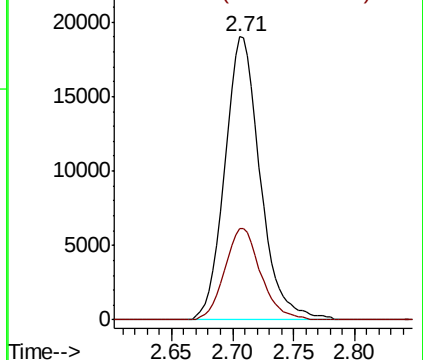
64 100

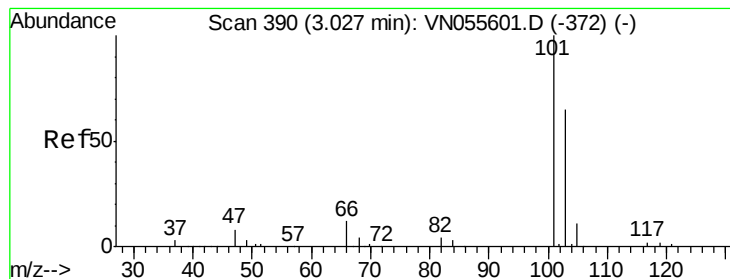
66 32.2 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



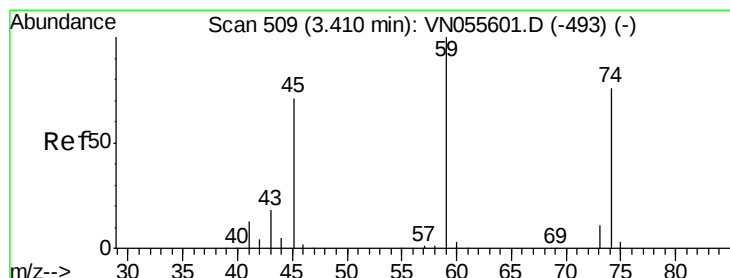
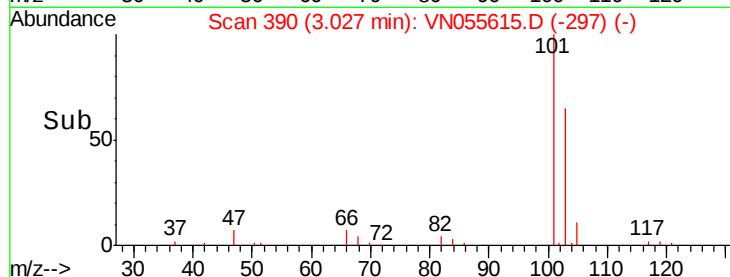
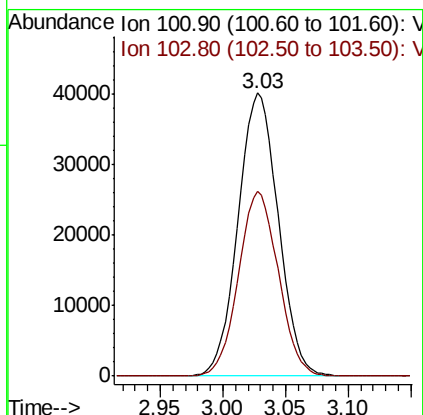
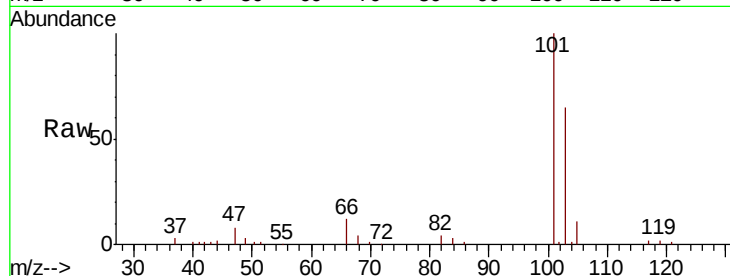


#7

Trichlorofluoromethane
Concen: 19.379 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampled :

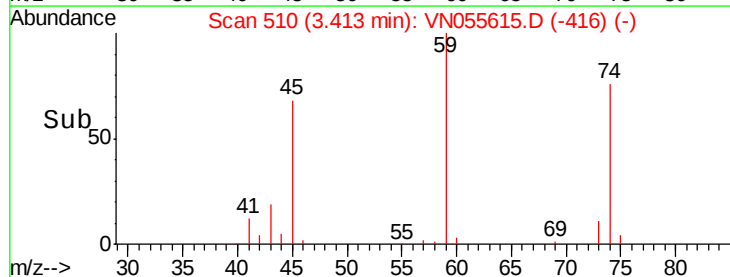
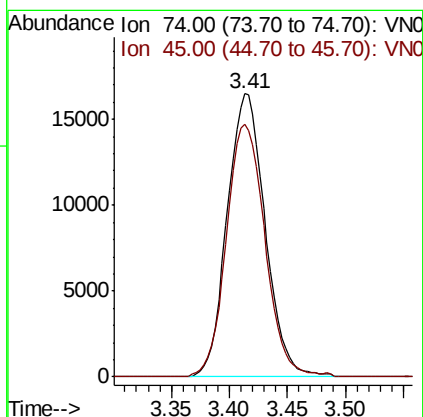
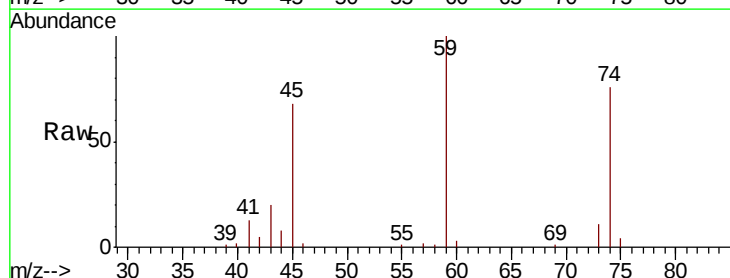
Tot Ion:101 Resp: 89630
Ion Ratio Lower Upper
101 100
103 65.3 52.3 78.5

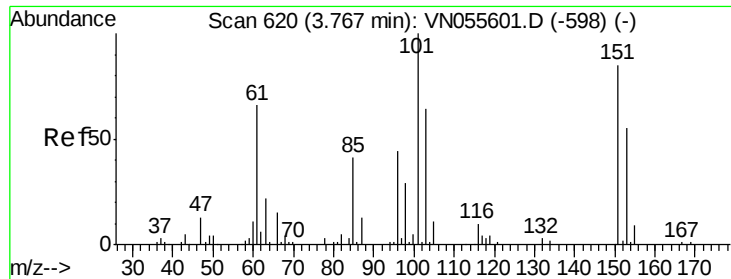


#8

Diethyl Ether
Concen: 20.183 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 74 Resp: 37500
Ion Ratio Lower Upper
74 100
45 90.8 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.000 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

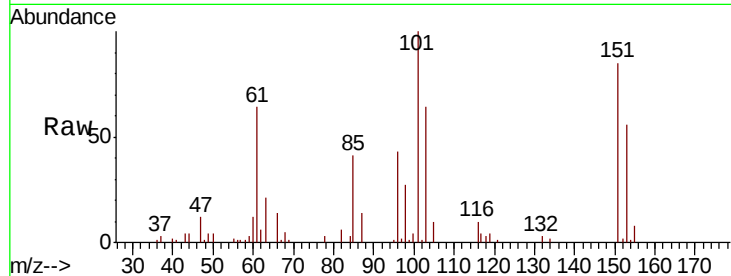
Tot Ion:101 Resp: 53576

Ion Ratio Lower Upper

101 100

85 42.2 33.4 50.0

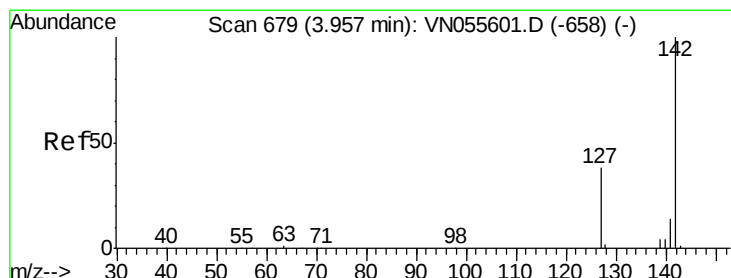
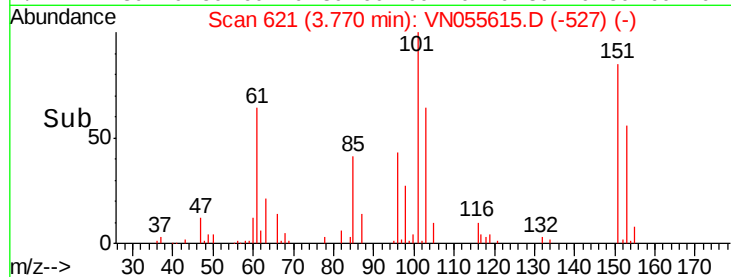
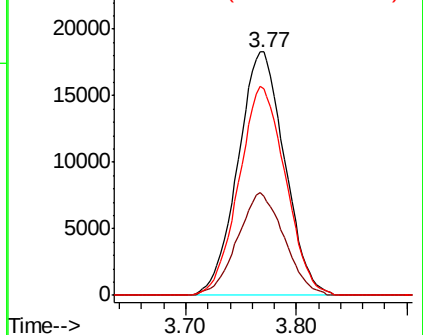
151 85.5 69.3 103.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.312 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

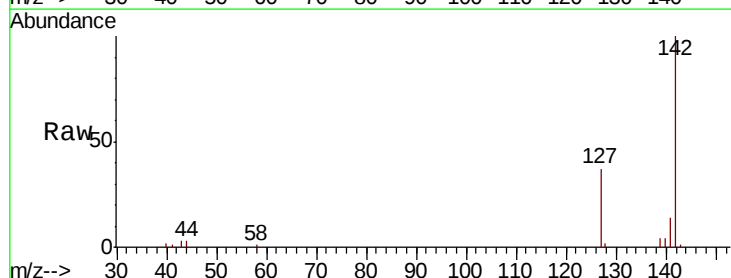
Tgt Ion:142 Resp: 62245

Ion Ratio Lower Upper

142 100

127 37.2 31.0 46.4

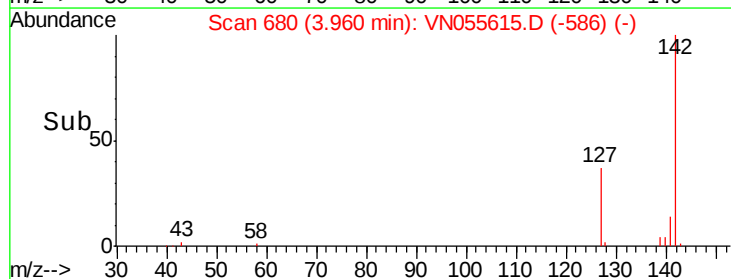
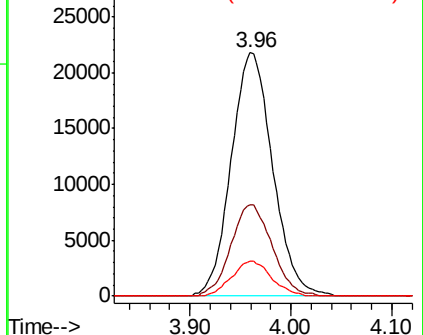
141 13.8 11.5 17.3

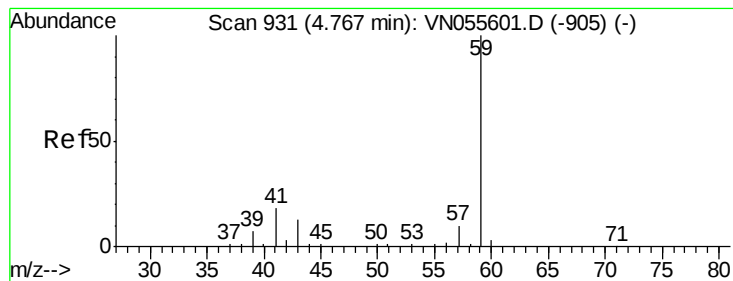


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



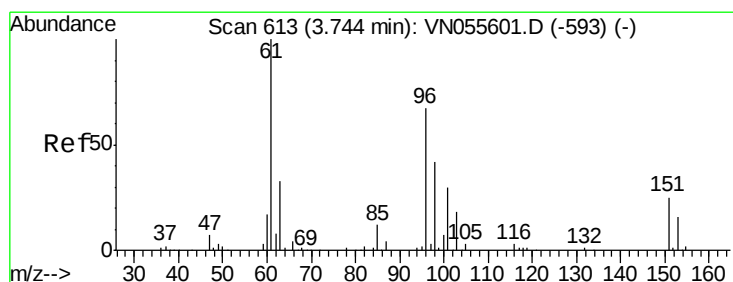
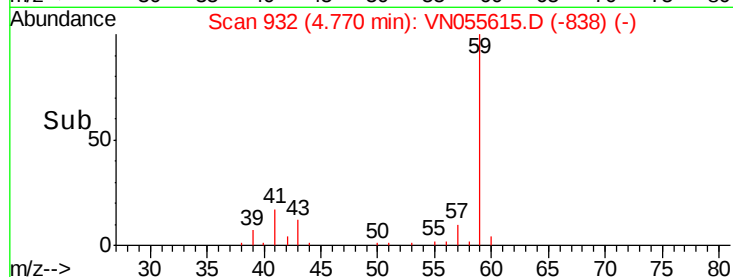
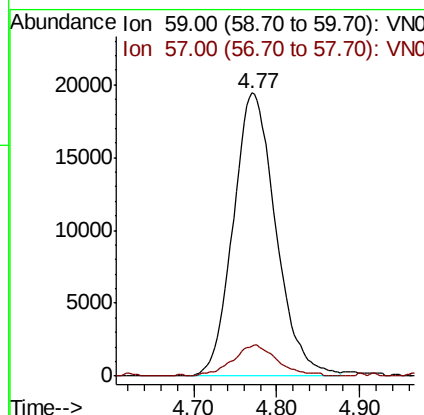
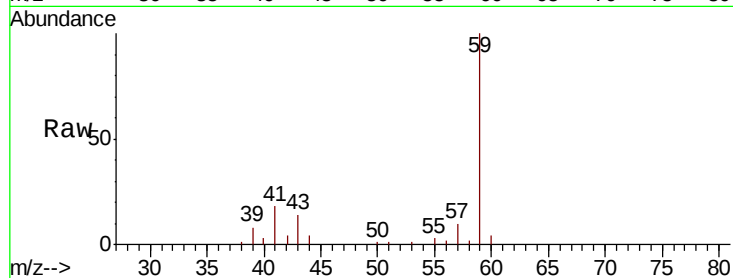


#11

Tert butyl alcohol
 Concen: 104.659 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :

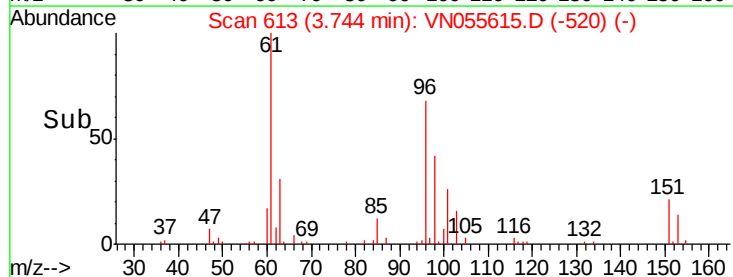
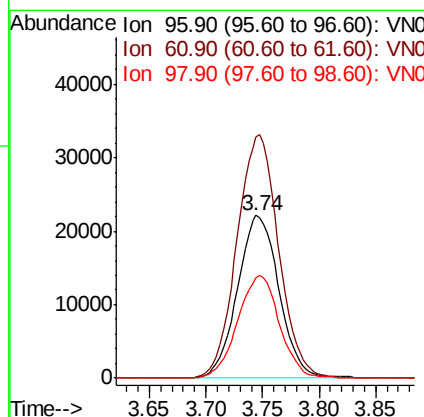
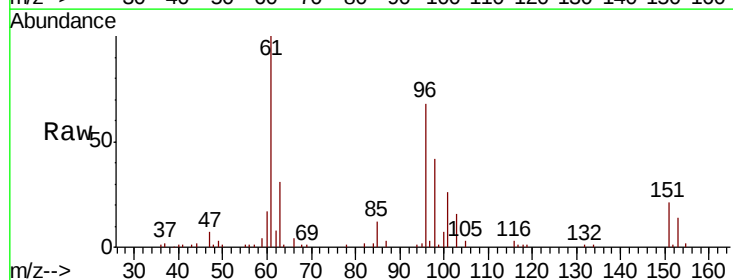
Tot Ion: 59 Resp: 69487
 Ion Ratio Lower Upper
 59 100
 57 11.3 7.8 11.6

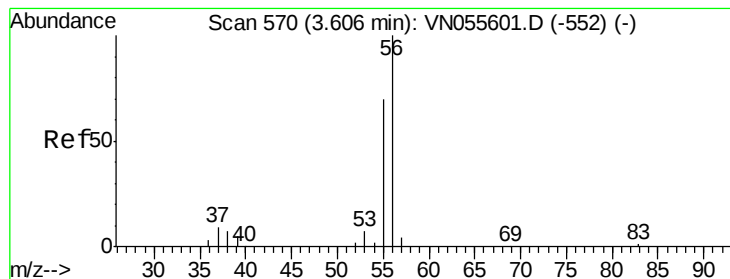


#12

1,1-Dichloroethene
 Concen: 19.058 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Tgt Ion: 96 Resp: 56528
 Ion Ratio Lower Upper
 96 100
 61 148.0 120.2 180.2
 98 61.6 50.6 75.8





#13

Acrolein

Concen: 97.308 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

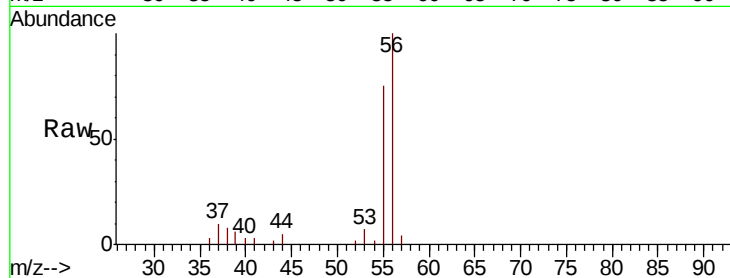
ClientSampled :

Tot Ion: 56 Resp: 32672

Ion Ratio Lower Upper

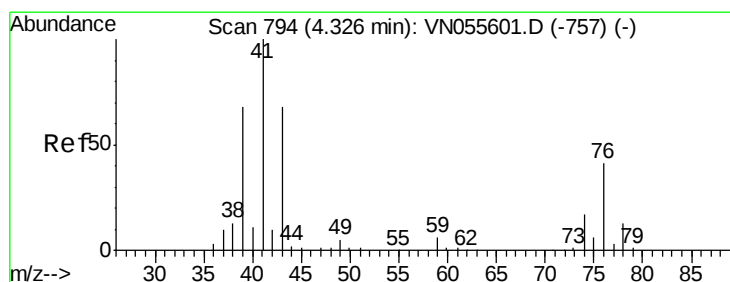
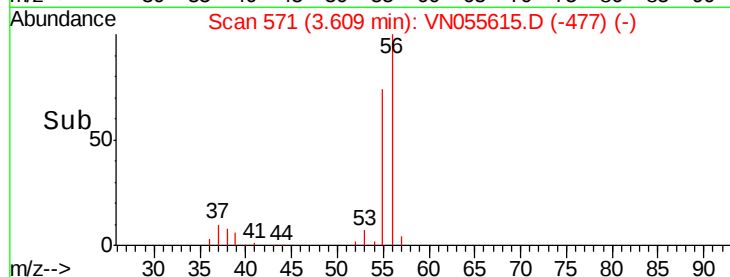
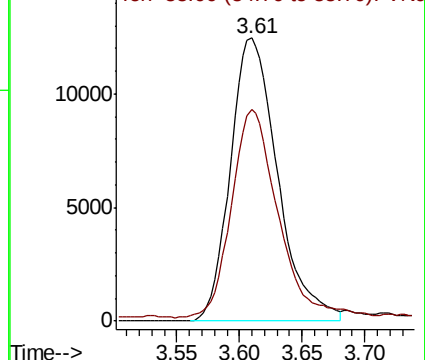
56 100

55 72.1 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.202 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

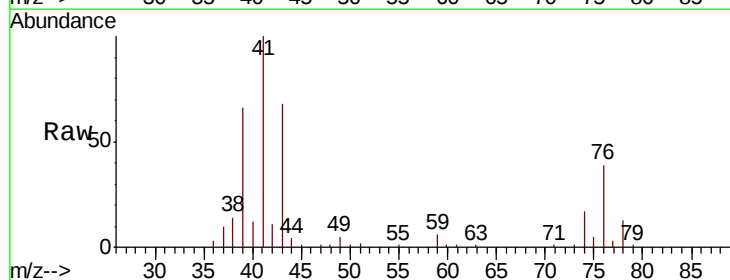
Tgt Ion: 41 Resp: 91946

Ion Ratio Lower Upper

41 100

39 61.9 50.5 75.7

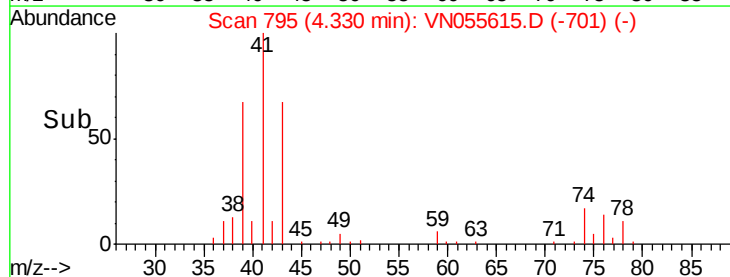
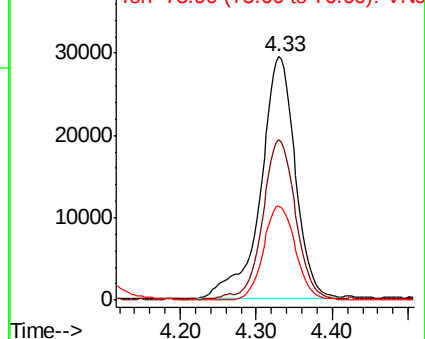
76 36.2 29.2 43.8

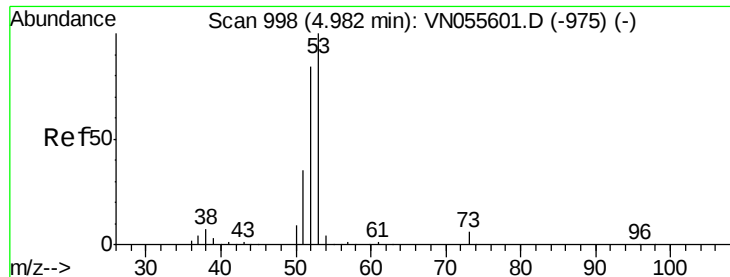


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.550 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

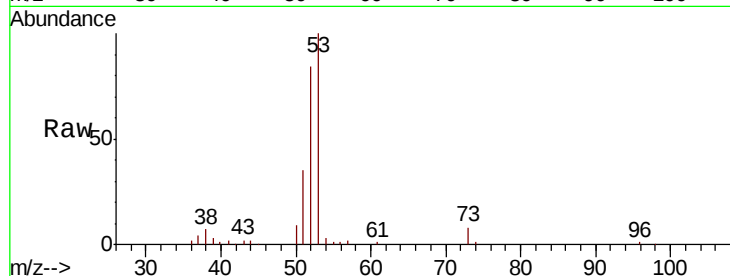
Tot Ion: 53 Resp: 151481

Ion Ratio Lower Upper

53 100

52 81.9 66.2 99.4

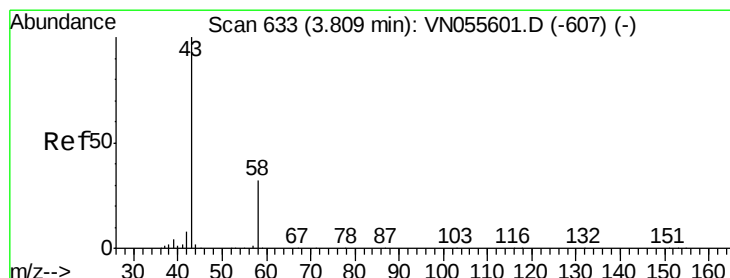
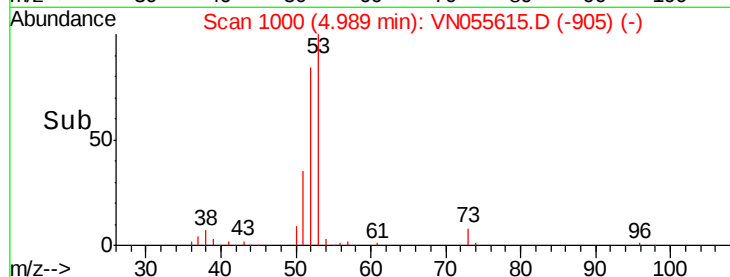
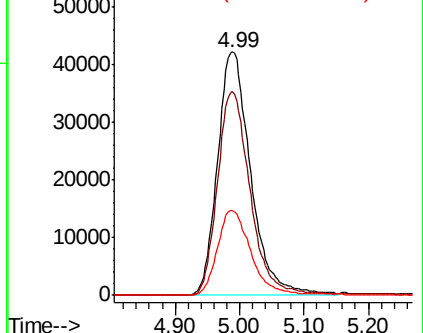
51 35.4 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 88.804 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN055615.D

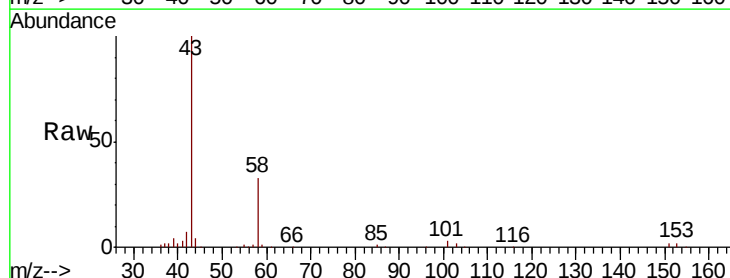
Acq: 17 May 2019 17:09

Tgt Ion: 43 Resp: 129027

Ion Ratio Lower Upper

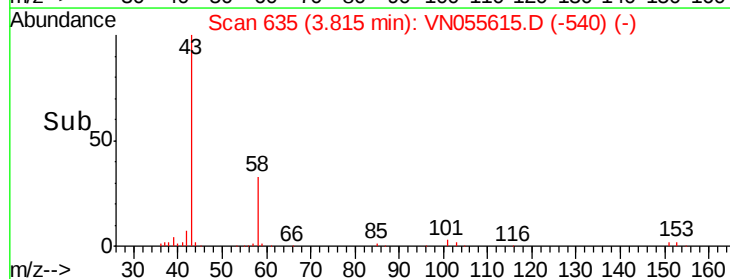
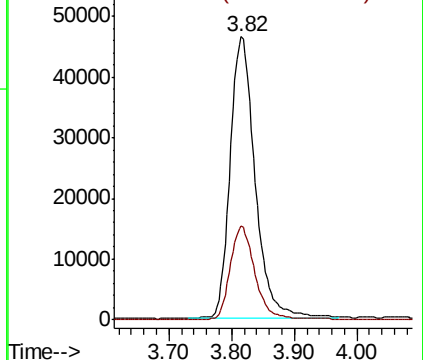
43 100

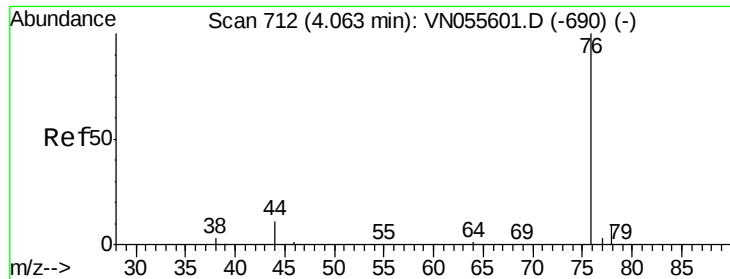
58 33.3 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

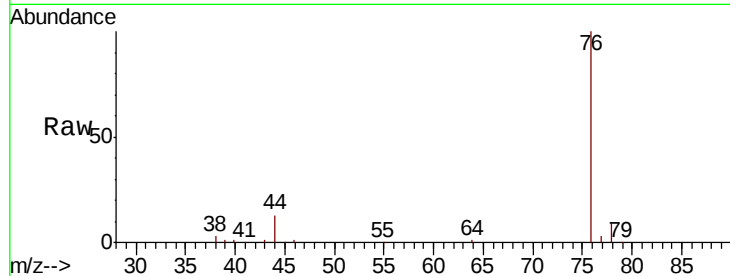




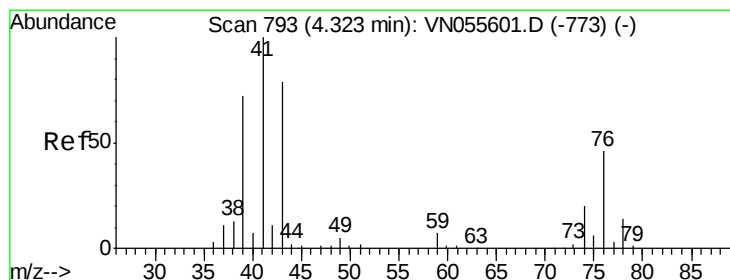
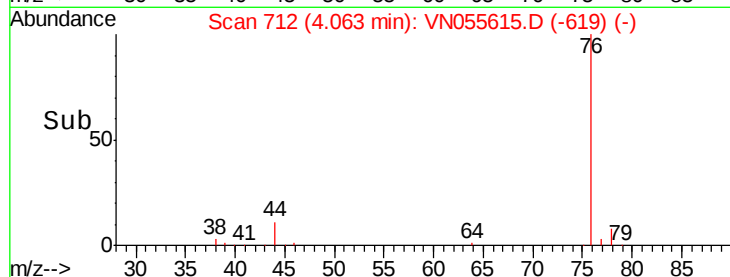
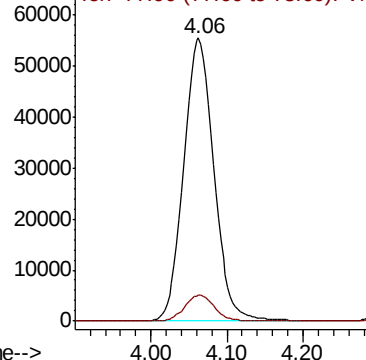
#17
Carbon Disulfide
Concen: 18.593 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 153312
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

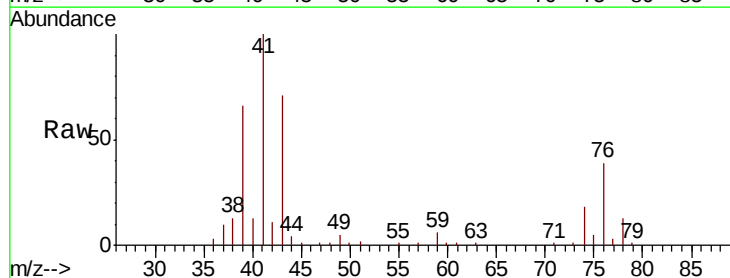


Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

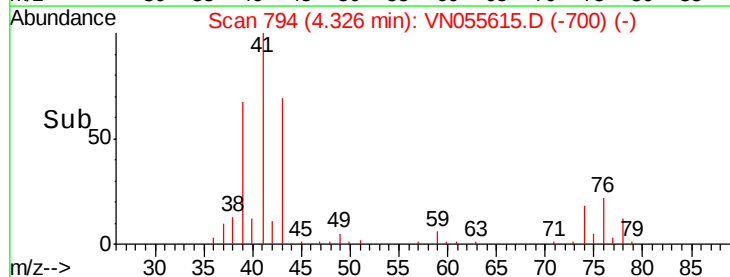
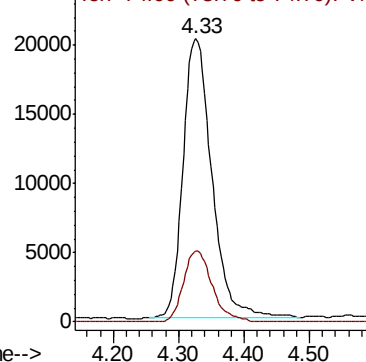


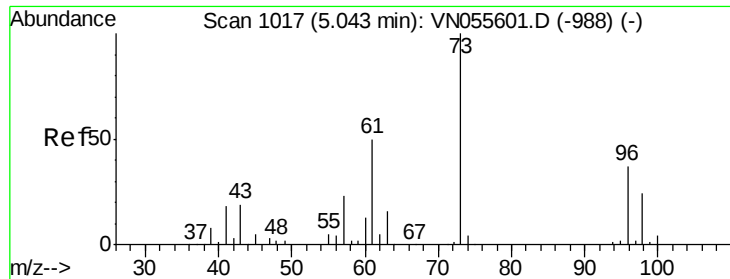
#18
Methyl Acetate
Concen: 19.964 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 43 Resp: 62187
Ion Ratio Lower Upper
43 100
74 25.3 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

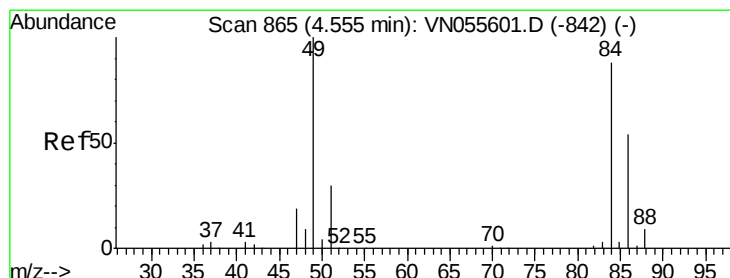
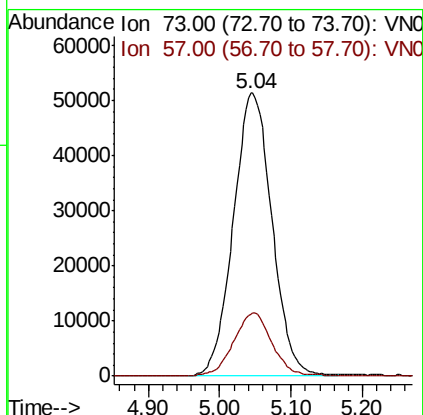
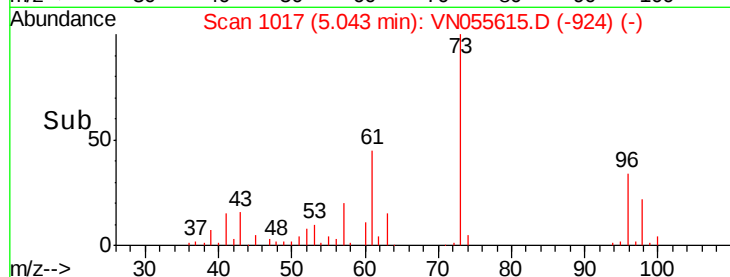
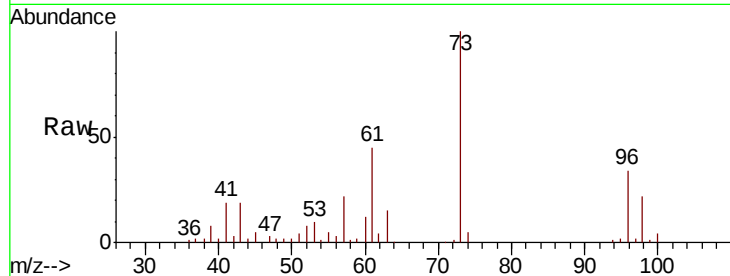




#19
Methvl tert-butvl Ether
Concen: 19.695 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

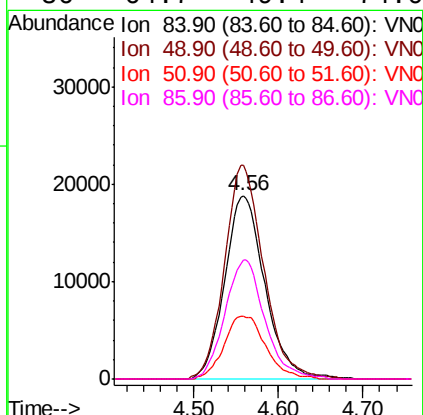
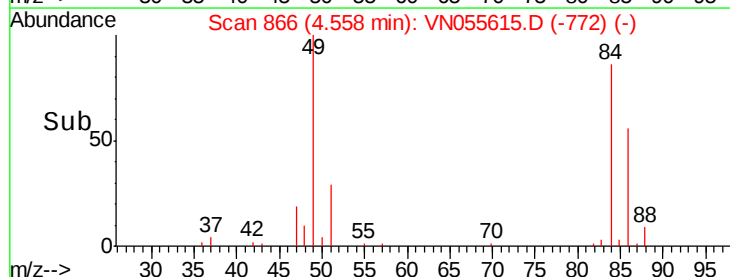
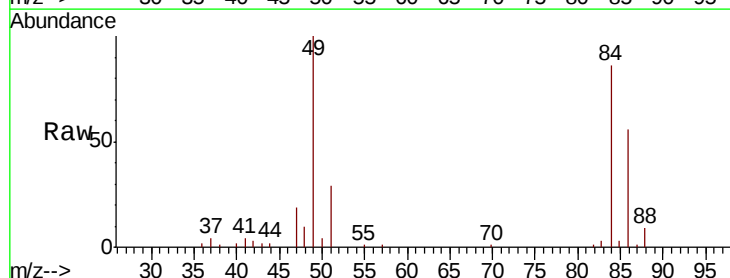
Instrument :
MSVOA_N
ClientSampled :

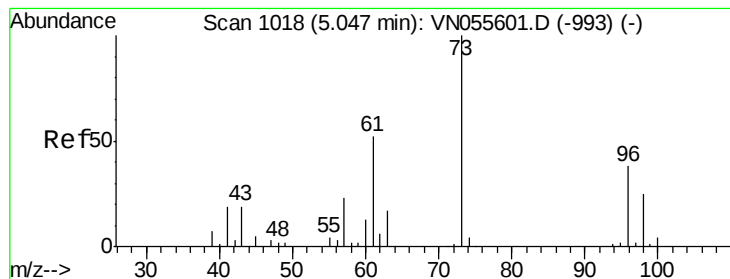
Tot Ion: 73 Resp: 193261
Ion Ratio Lower Upper
73 100
57 21.4 18.2 27.2



#20
Methylene Chloride
Concen: 18.764 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 84 Resp: 62220
Ion Ratio Lower Upper
84 100
49 116.4 91.0 136.4
51 34.2 27.5 41.3
86 64.7 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 19.213 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampled :

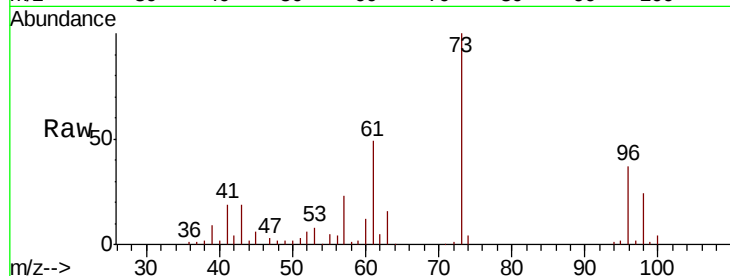
Tot Ion: 96 Resp: 60709

Ion Ratio Lower Upper

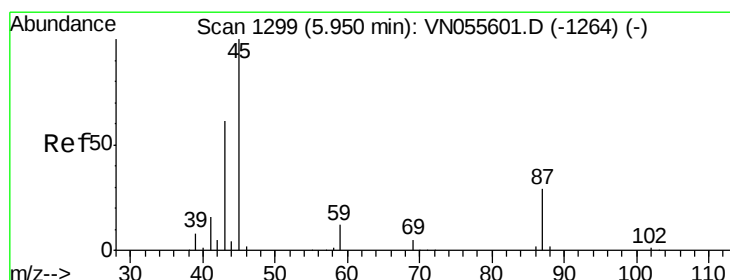
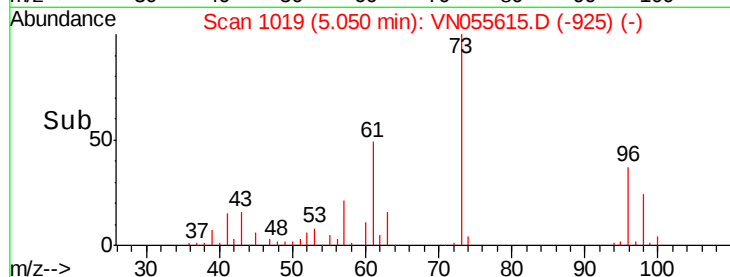
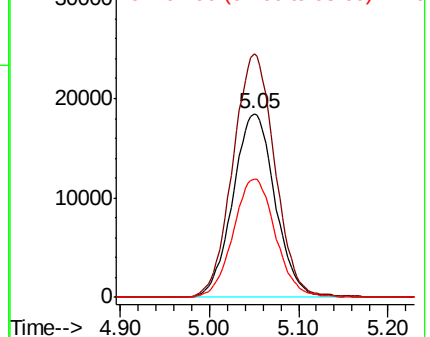
96 100

61 132.7 108.6 162.8

98 64.4 51.4 77.0



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



#22

Diisopropyl ether

Concen: 18.877 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Tgt Ion: 45 Resp: 179116

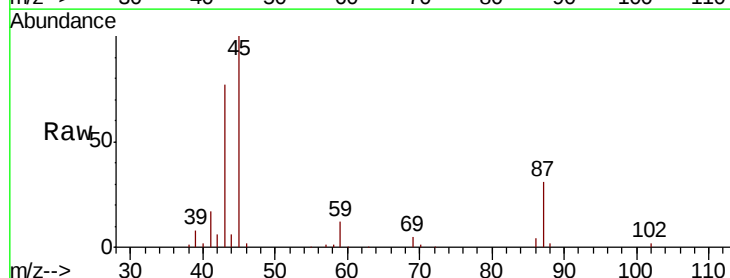
Ion Ratio Lower Upper

45 100

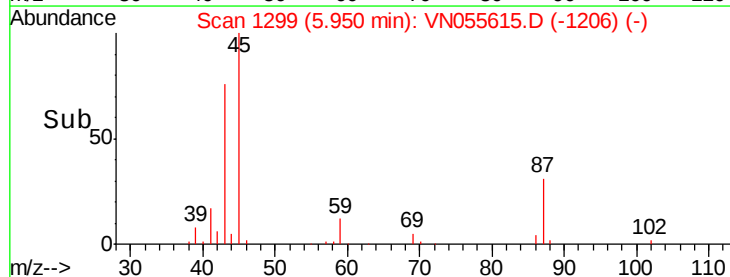
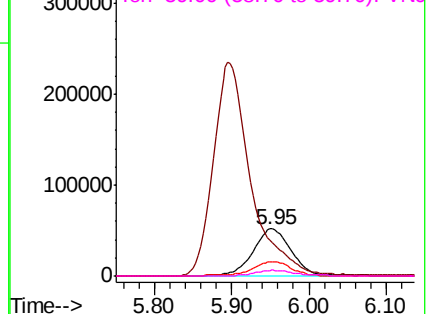
43 72.5 50.4 75.6

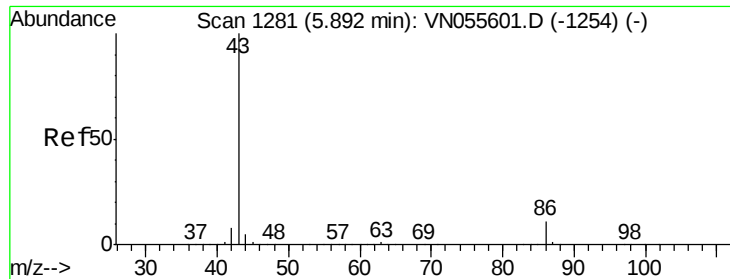
87 30.3 23.8 35.6

59 11.7 9.5 14.3



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





#23

Vinyl Acetate

Concen: 98.028 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

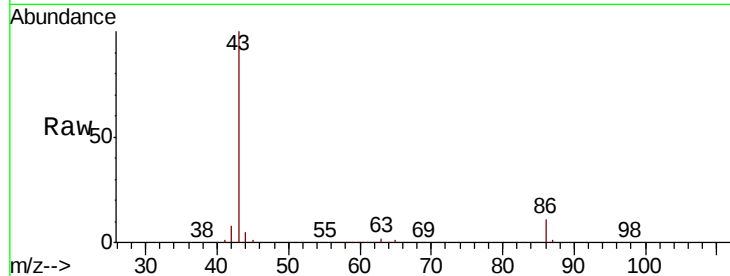
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 789246

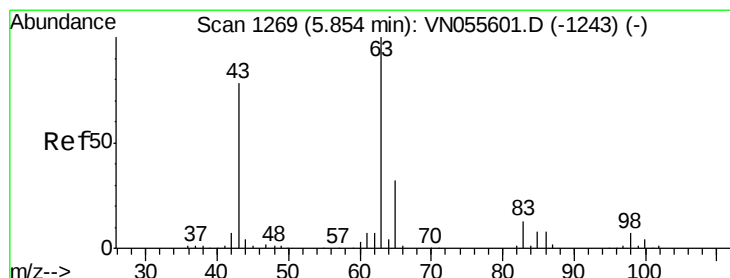
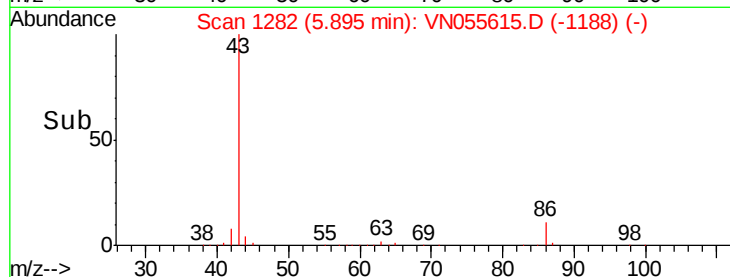
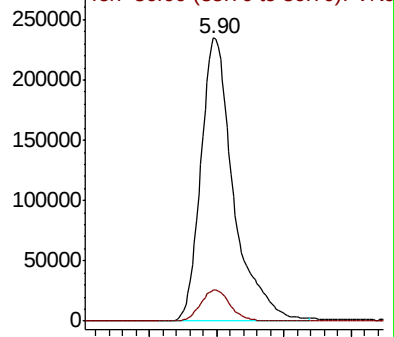
Ion Ratio Lower Upper

43 100

86 11.0 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.621 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

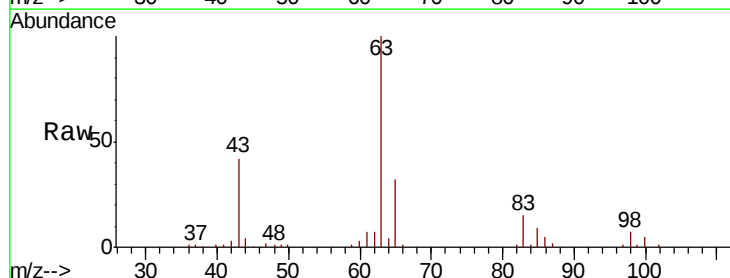
Tgt Ion: 63 Resp: 109165

Ion Ratio Lower Upper

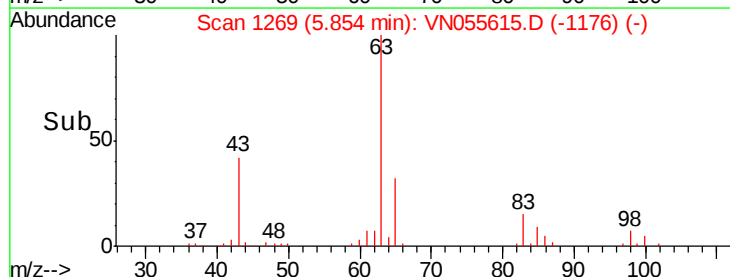
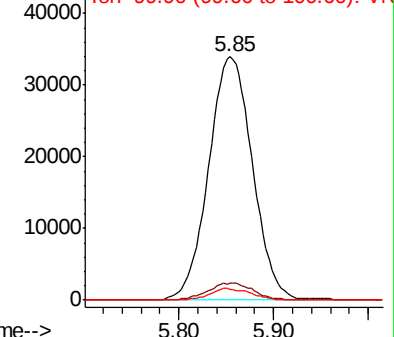
63 100

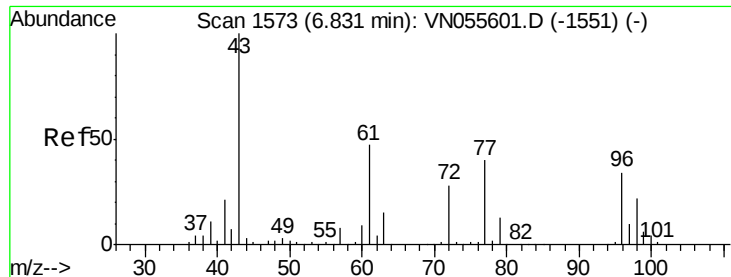
98 6.8 3.4 10.2

100 4.6 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0

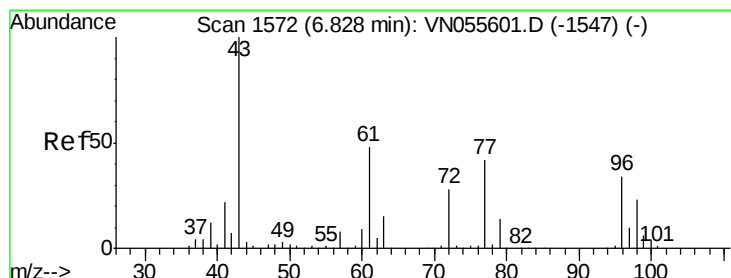
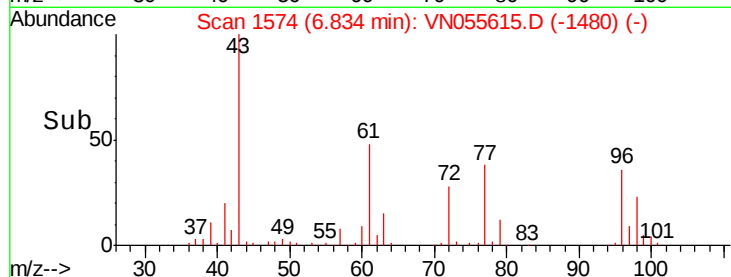
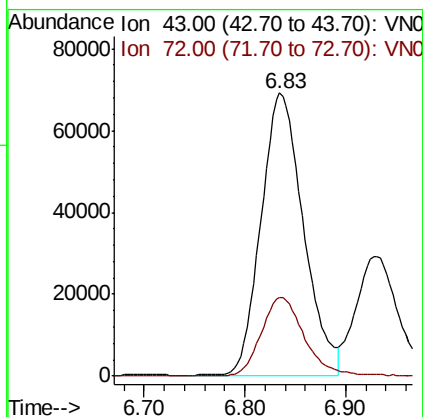
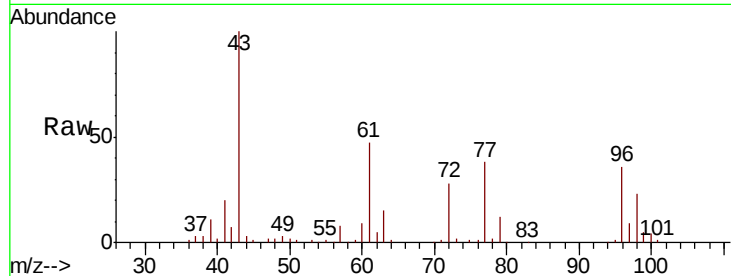




#25
2-Butanone
Concen: 98.933 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

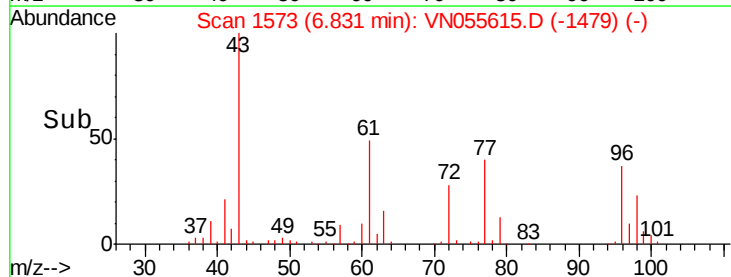
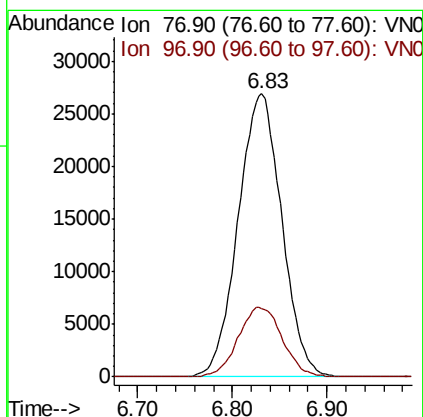
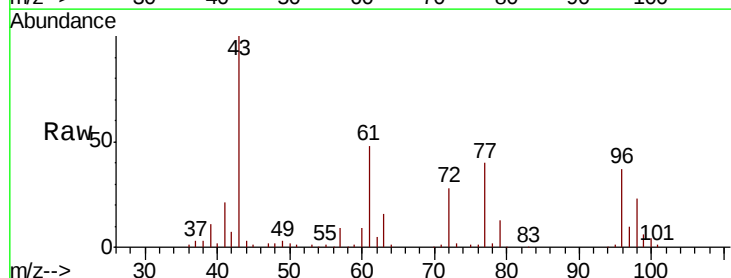
Instrument :
MSVOA_N
ClientSampled :

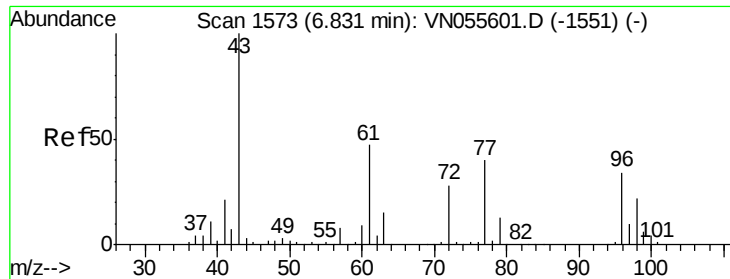
Tot Ion: 43 Resp: 200986
Ion Ratio Lower Upper
43 100
72 28.0 22.3 33.5



#26
2,2-Dichloropropane
Concen: 17.400 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 77 Resp: 85919
Ion Ratio Lower Upper
77 100
97 24.9 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.347 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampled :

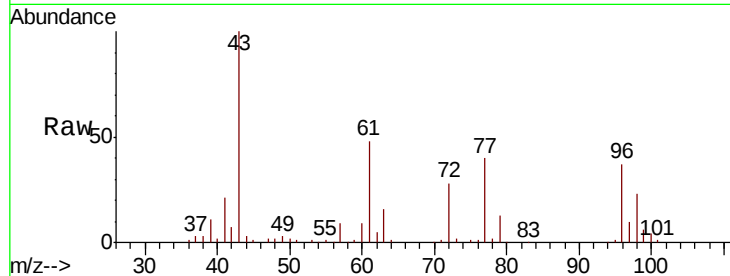
Tot Ion: 96 Resp: 71184

Ion Ratio Lower Upper

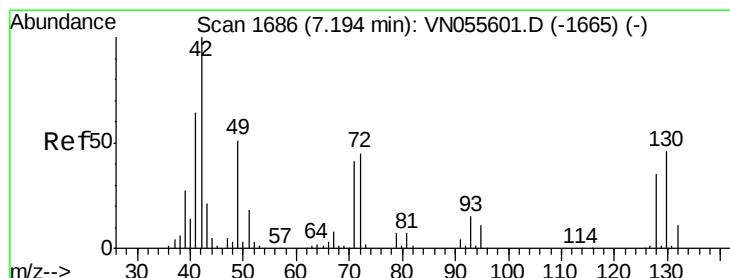
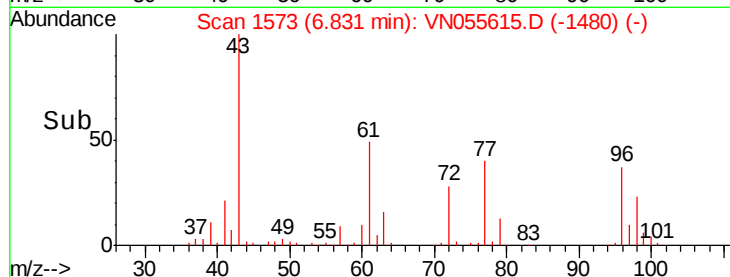
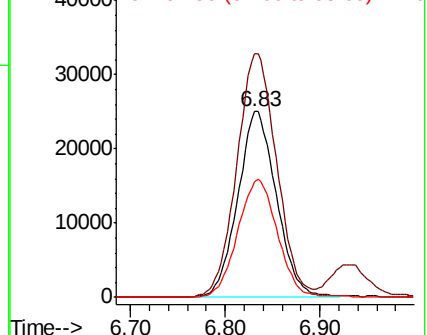
96 100

61 135.1 0.0 279.0

98 65.2 0.0 131.6



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



#28

Bromochloromethane

Concen: 20.100 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

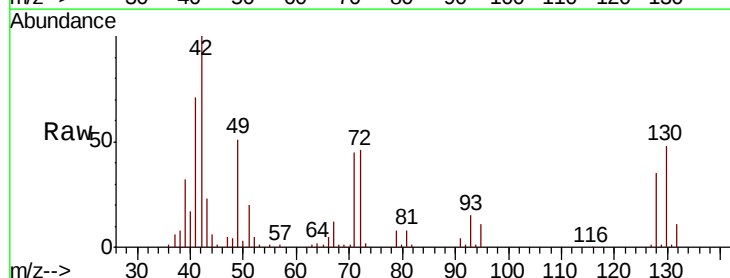
Tgt Ion: 49 Resp: 48650

Ion Ratio Lower Upper

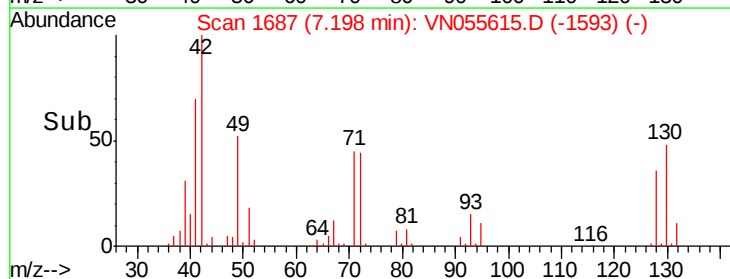
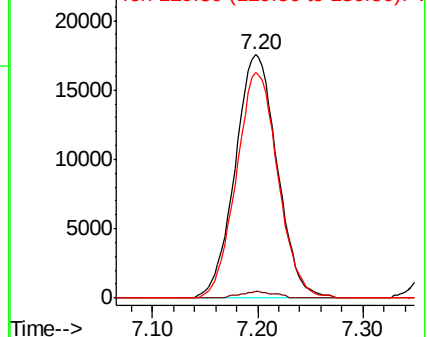
49 100

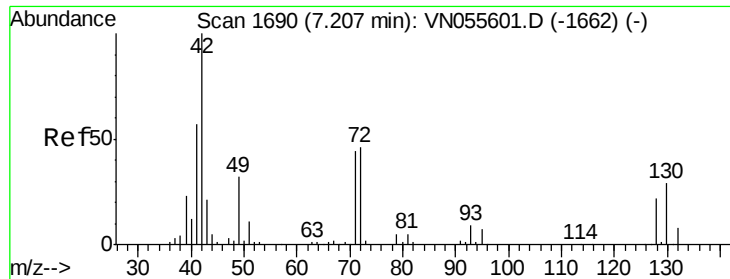
129 2.2 0.0 4.4

130 91.6 71.0 106.6



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

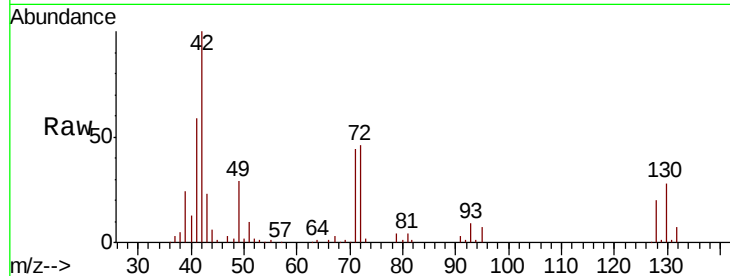




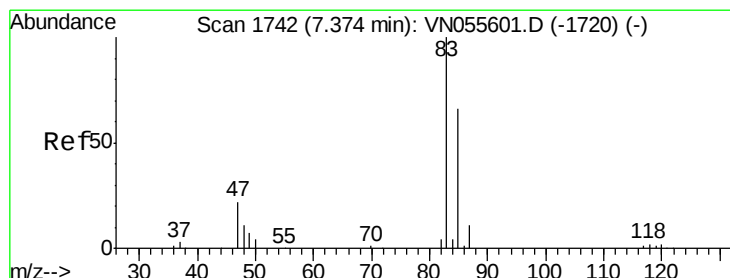
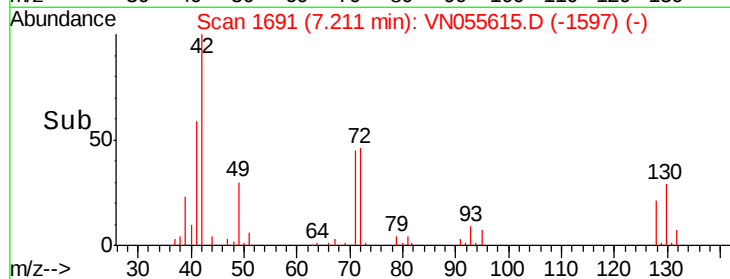
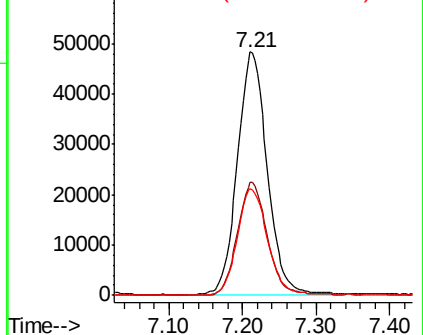
#29
Tetrahydrofuran
Concen: 102.473 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 137919
Ion Ratio Lower Upper
42 100
72 45.9 36.5 54.7
71 44.1 34.9 52.3

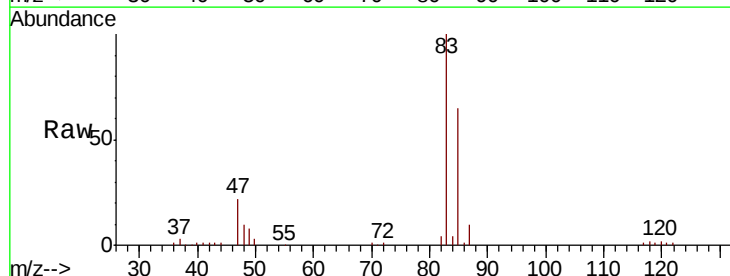


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

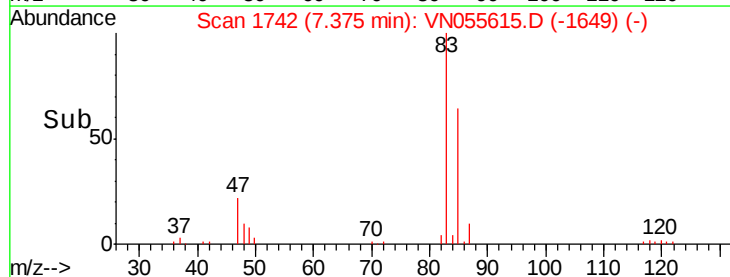
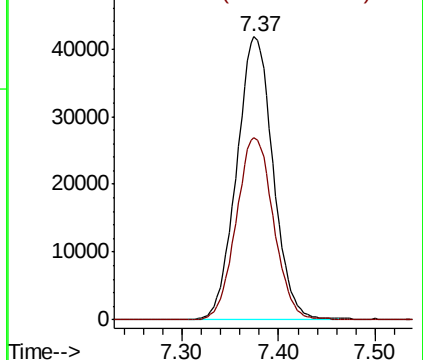


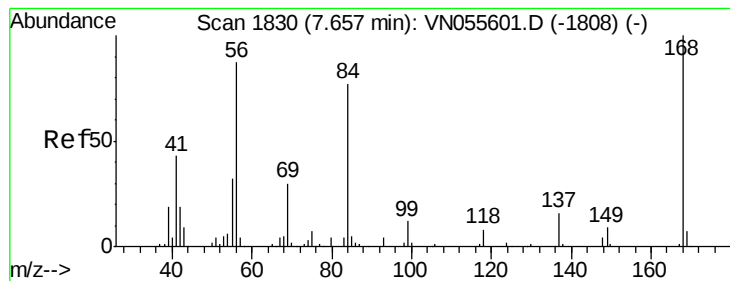
#30
Chloroform
Concen: 19.146 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 83 Resp: 109340
Ion Ratio Lower Upper
83 100
85 64.5 52.6 78.8



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





#31

Cyclohexane

Concen: 18.989 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

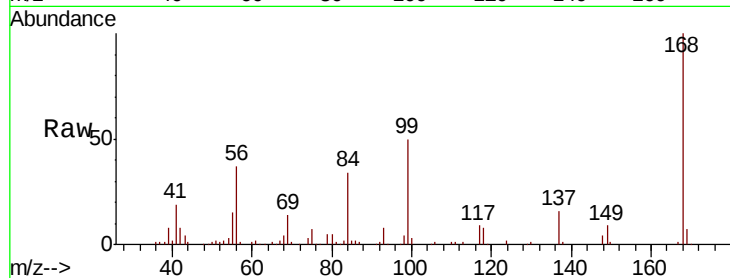
Tot Ion: 56 Resp: 100266

Ion Ratio Lower Upper

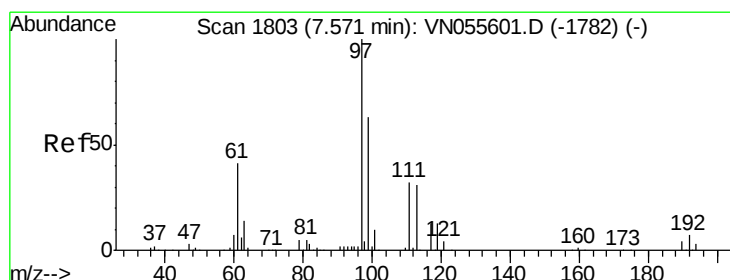
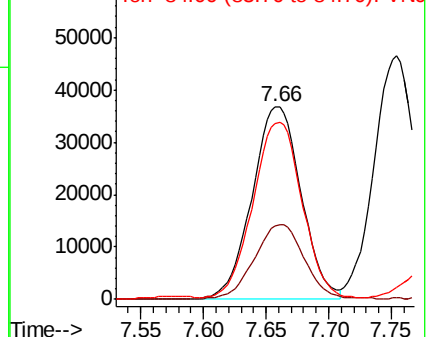
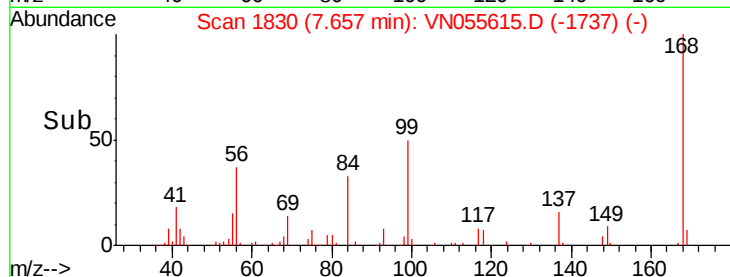
56 100

69 38.0 27.2 40.8

84 89.6 71.3 106.9



Abundance Ion 56.00 (55.70 to 56.70): VN055615.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 18.950 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

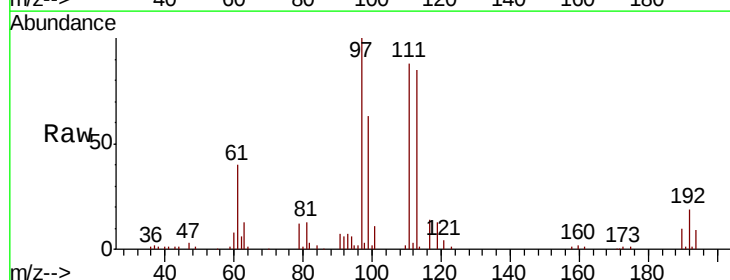
Tgt Ion: 97 Resp: 97070

Ion Ratio Lower Upper

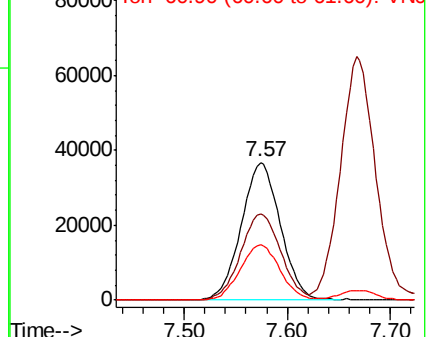
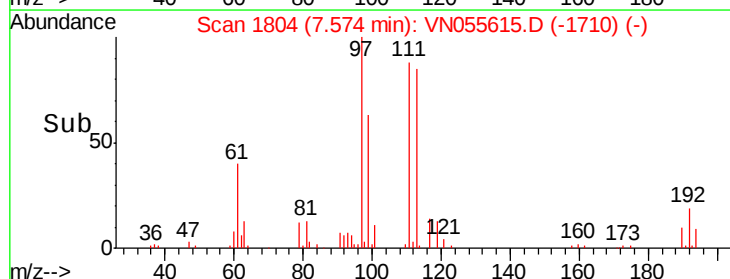
97 100

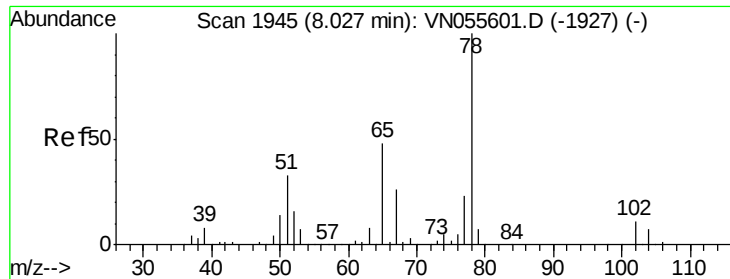
99 64.0 51.4 77.2

61 40.6 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VN055615.D (-1710) (-)

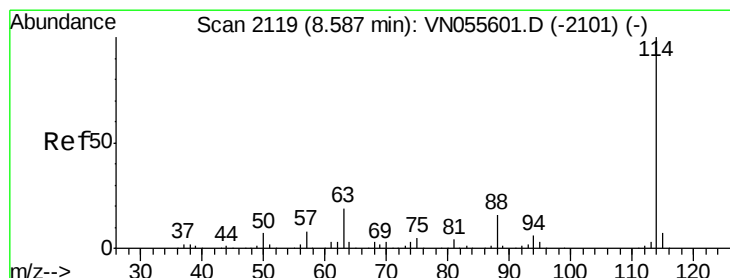
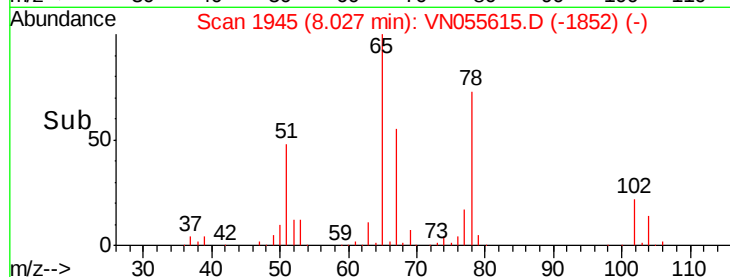
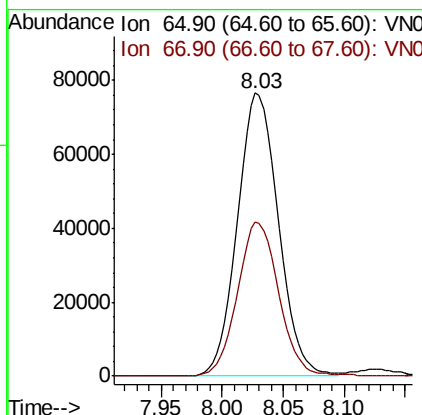
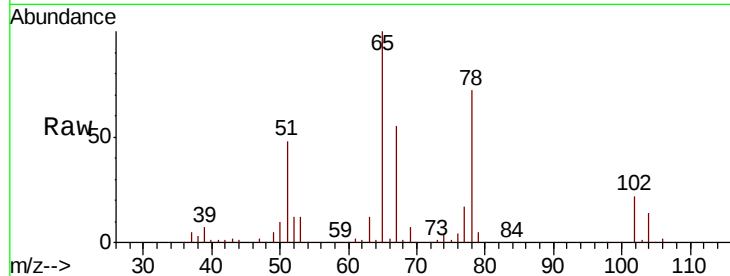




#33
 1,2-Dichloroethane-d4
 Concen: 50.060 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

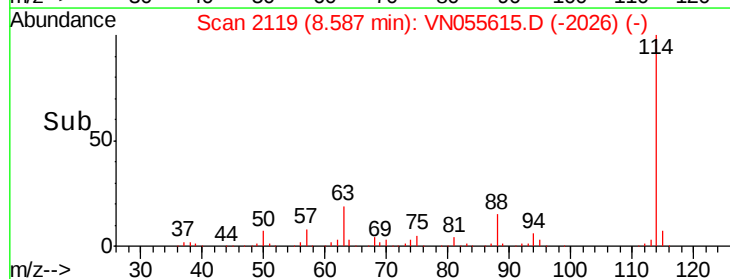
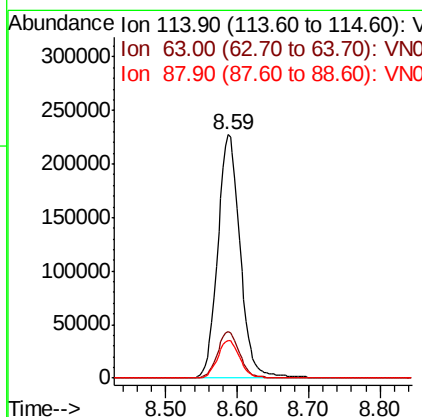
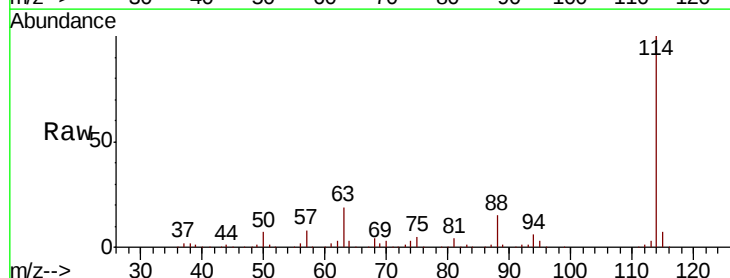
Instrument :
 MSVOA_N
 ClientSampled :

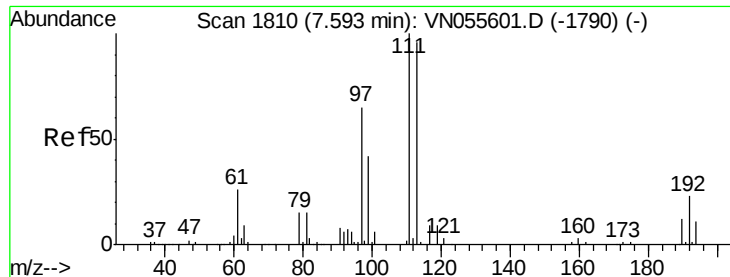
Tot Ion: 65 Resp: 178231
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Tgt Ion: 114 Resp: 493997
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.2
 88 15.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.720 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :

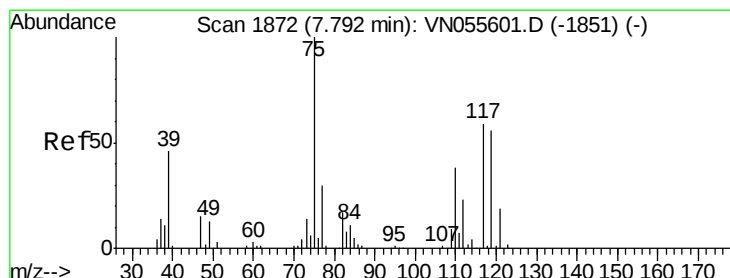
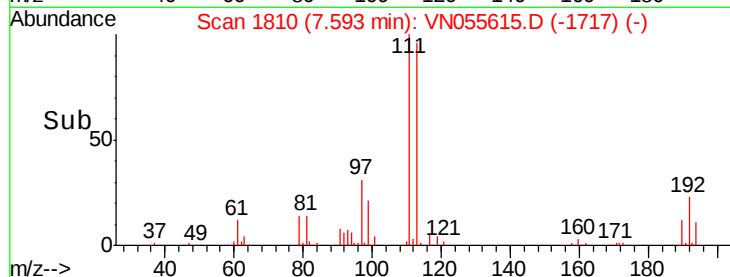
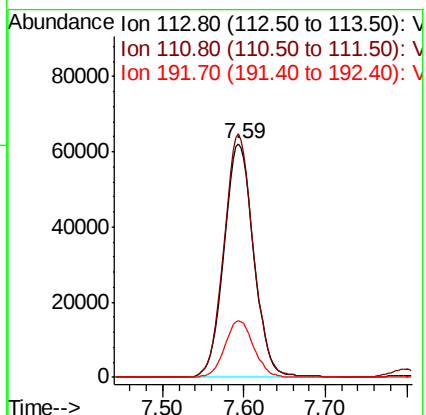
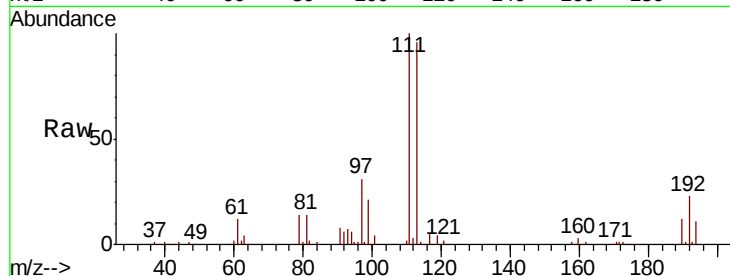
Tot Ion:113 Resp: 159165

Ion Ratio Lower Upper

113 100

111 102.5 82.5 123.7

192 23.6 18.7 28.1



#36

1,1-Dichloropropene

Concen: 18.507 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

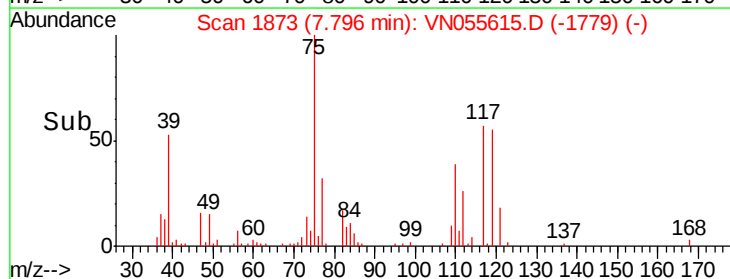
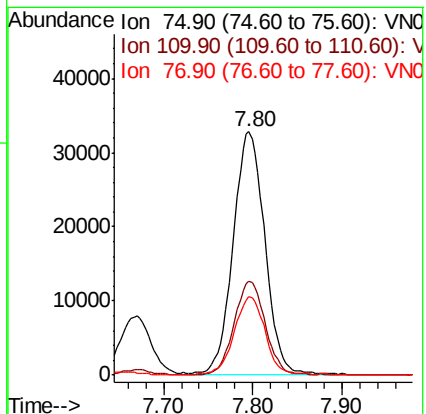
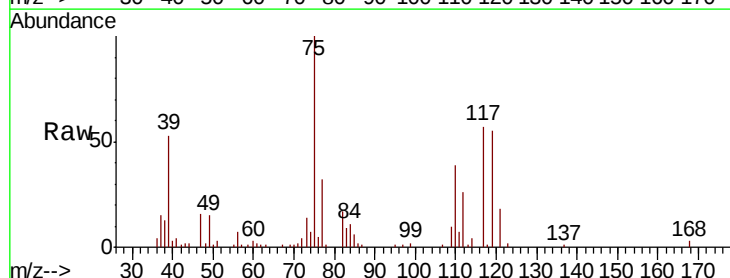
Tgt Ion: 75 Resp: 81508

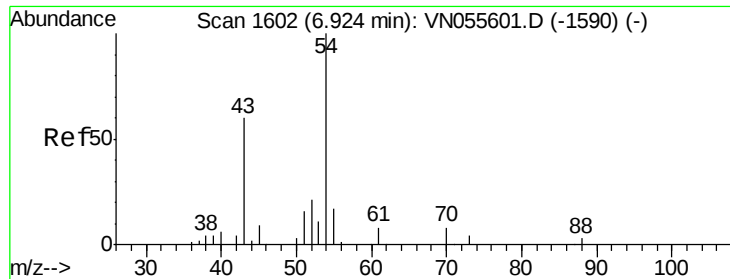
Ion Ratio Lower Upper

75 100

110 37.7 18.6 55.6

77 31.4 24.9 37.3

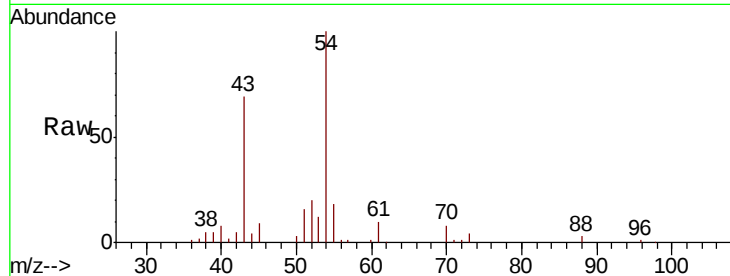




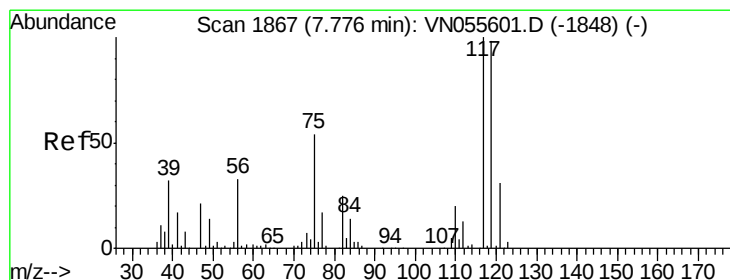
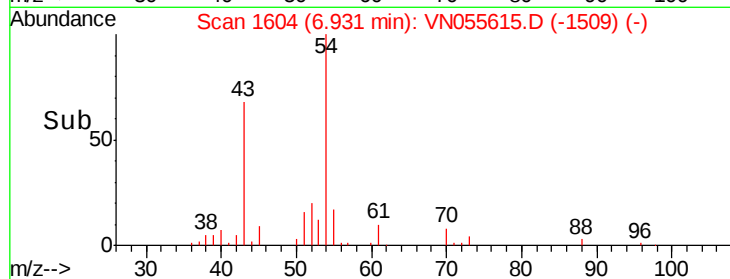
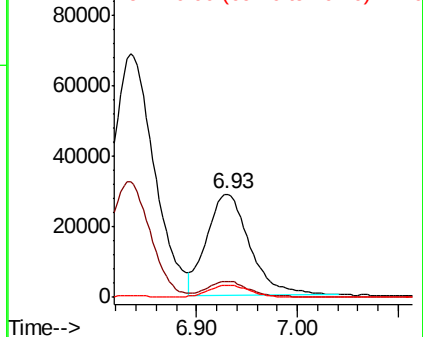
#37
Ethyl Acetate
Concen: 21.317 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 84722
Ion Ratio Lower Upper
43 100
61 15.2 11.4 17.0
70 11.7 9.2 13.8

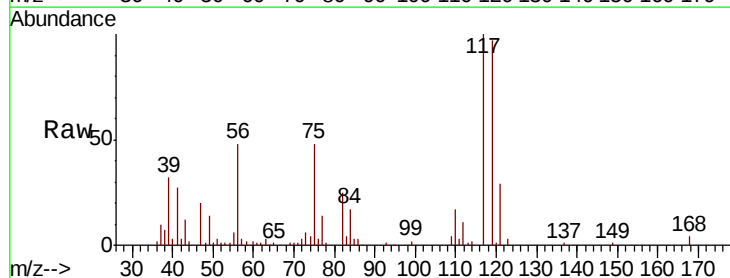


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

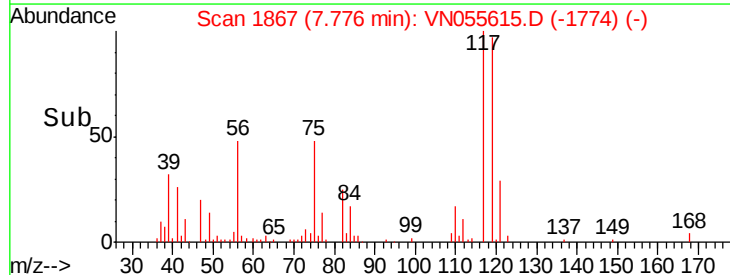
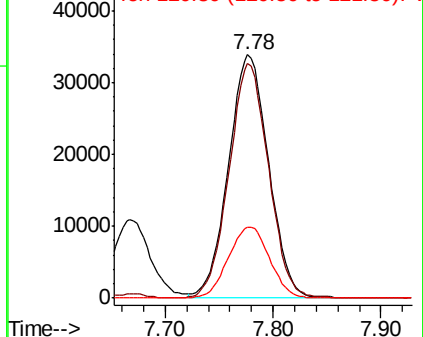


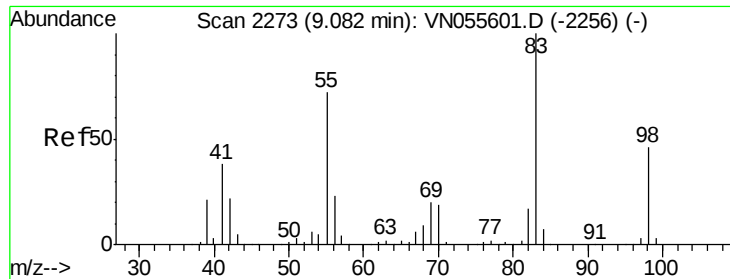
#38
Carbon Tetrachloride
Concen: 18.671 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 117 Resp: 87873
Ion Ratio Lower Upper
117 100
119 96.6 77.8 116.8
121 29.3 24.6 37.0



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

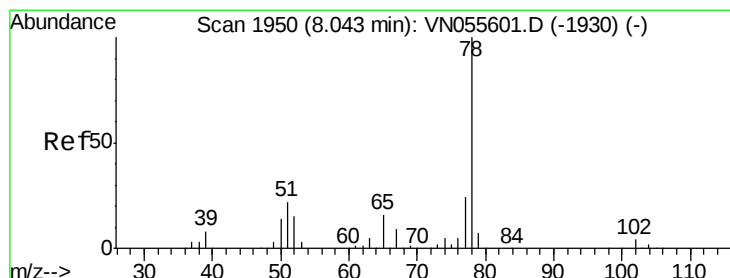
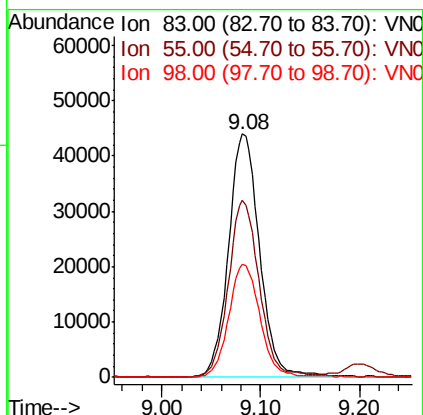
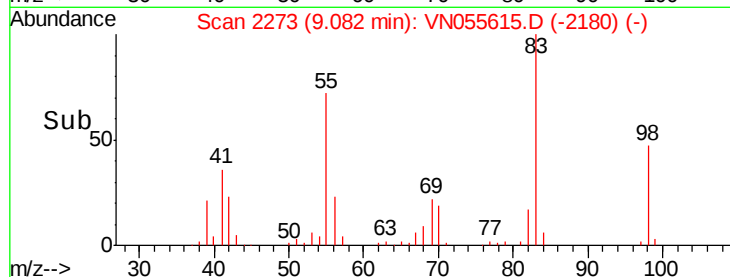
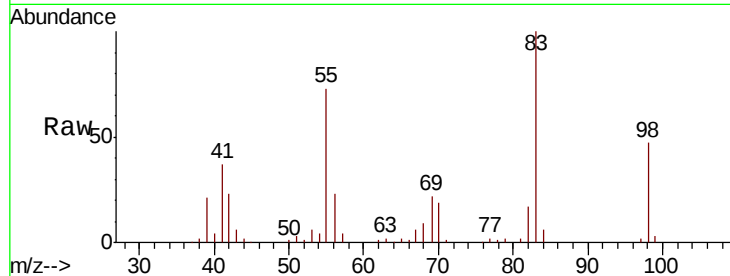




#39
Methvlcvclohexane
Concen: 18.260 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

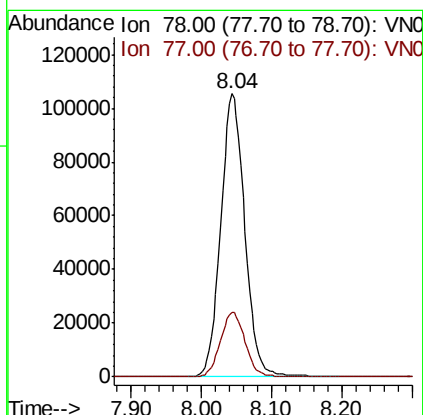
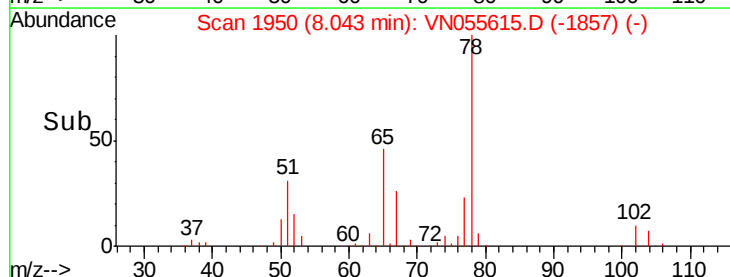
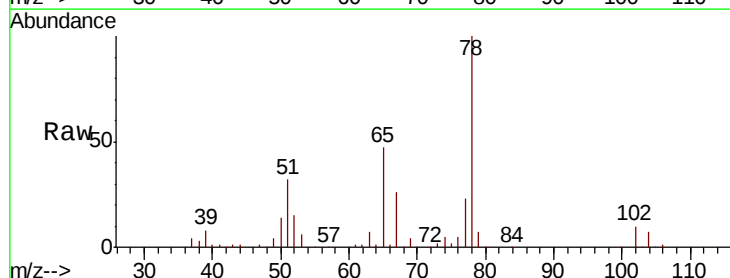
Instrument :
MSVOA_N
ClientSampled :

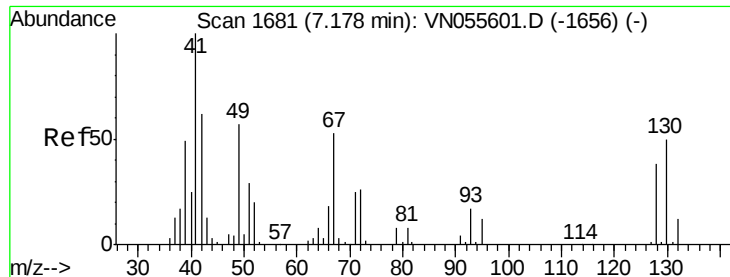
Tot Ion: 83 Resp: 96950
Ion Ratio Lower Upper
83 100
55 72.2 57.8 86.6
98 46.6 36.7 55.1



#40
Benzene
Concen: 19.367 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 78 Resp: 250888
Ion Ratio Lower Upper
78 100
77 22.9 18.9 28.3

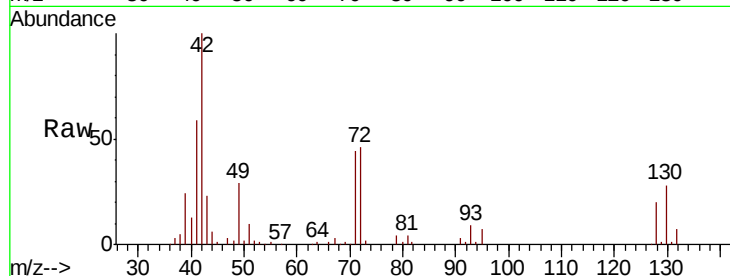




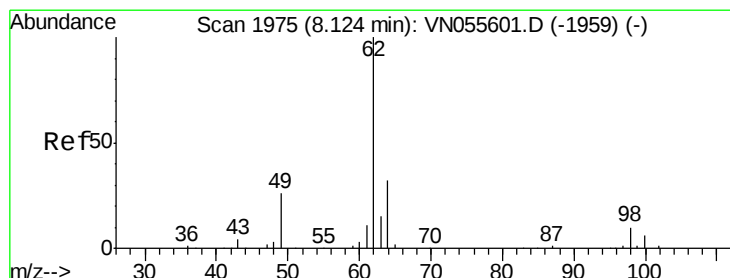
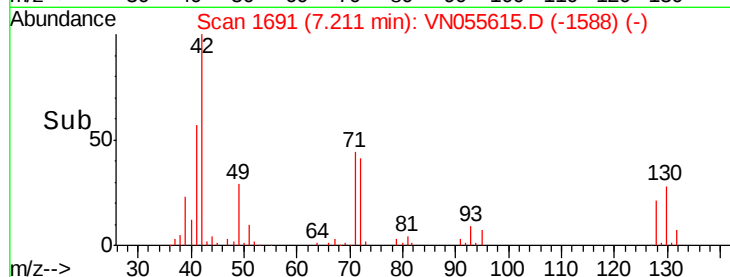
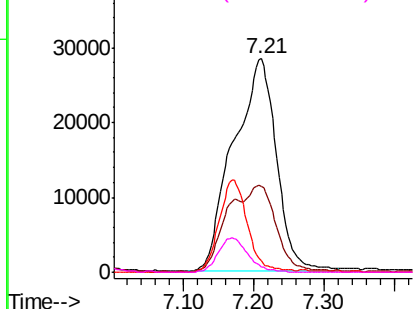
#41
Methacrylonitrile
Concen: 70.603 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.03 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	119967
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

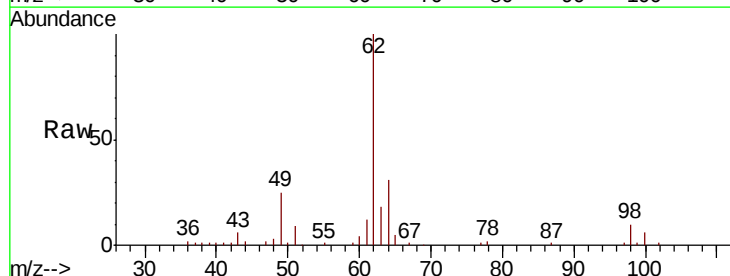


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

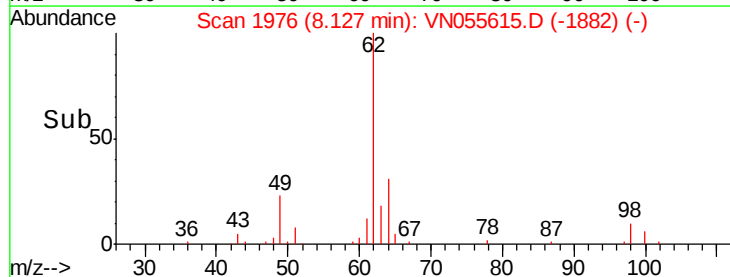
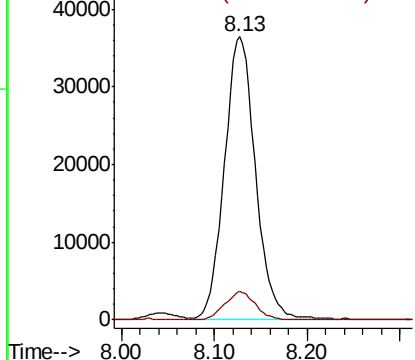


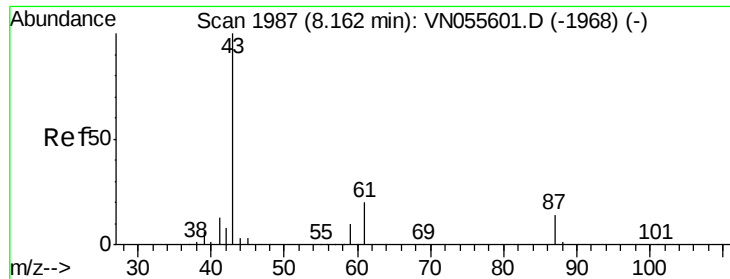
#42
1,2-Dichloroethane
Concen: 20.235 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion:	62	Resp:	84884
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.2



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



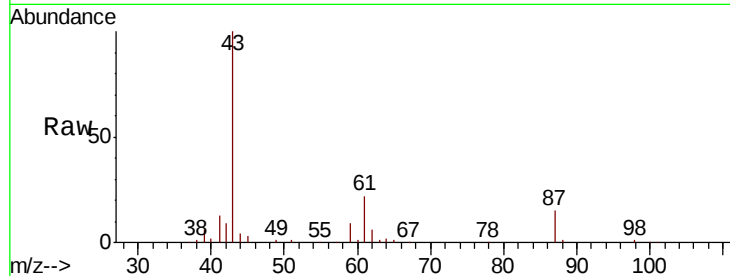


#43

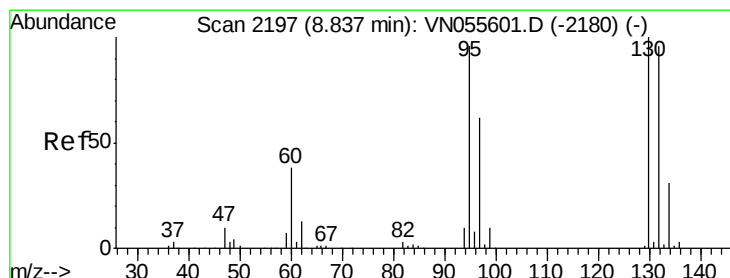
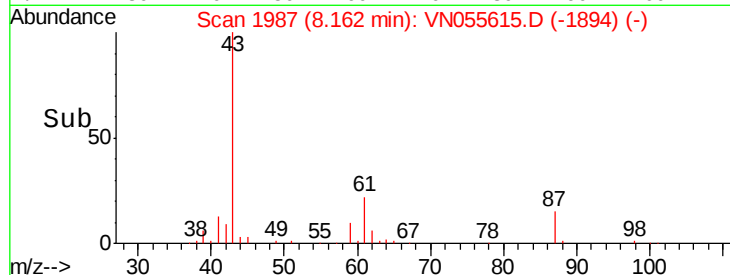
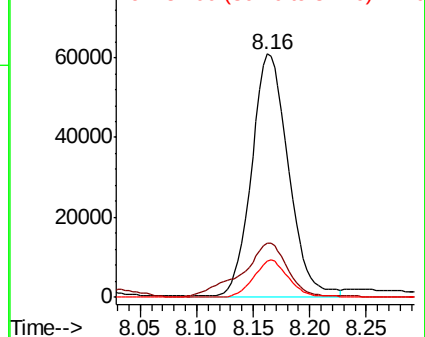
Isopropyl Acetate
 Concen: 19.794 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	43	61	87
Resp	136843		
Ratio	100	28.5	14.7
Lower		22.1	11.8
Upper		33.1	17.6



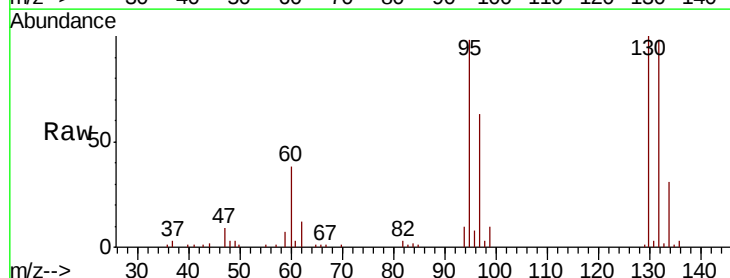
Abundance Ion 43.00 (42.70 to 43.70): VN055615.D (-1894) (-)
 Ion 61.00 (60.70 to 61.70): VN055615.D (-1894) (-)
 Ion 87.00 (86.70 to 87.70): VN055615.D (-1894) (-)



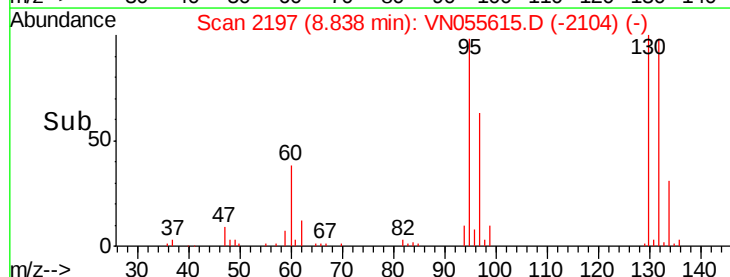
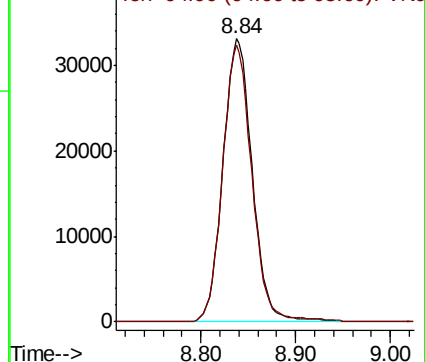
#44

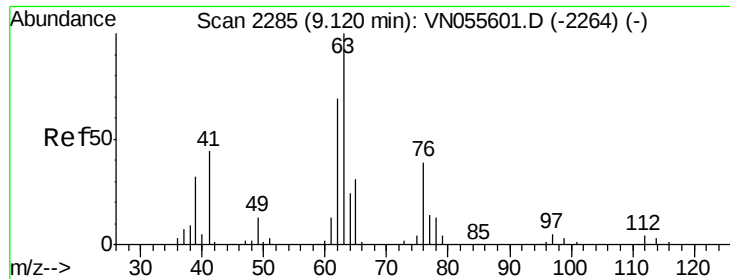
Trichloroethene
 Concen: 19.537 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Tgt Ion	130	95
Resp	71416	
Ratio	100	97.7
Lower		0.0
Upper		191.0



Abundance Ion 129.80 (129.50 to 130.50): VN055615.D (-2104) (-)
 Ion 94.90 (94.60 to 95.60): VN055615.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 19.129 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

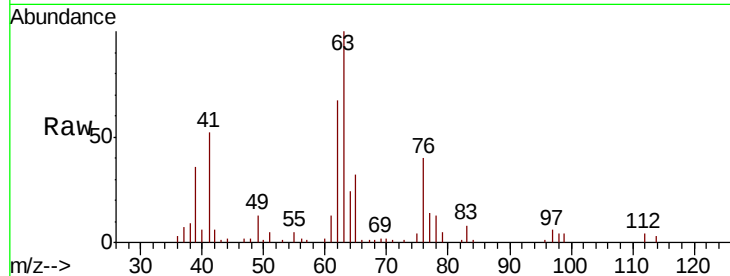
ClientSampleId :

Tot Ion: 63 Resp: 65283

Ion Ratio Lower Upper

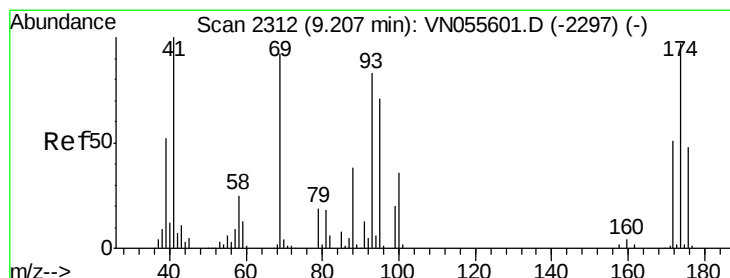
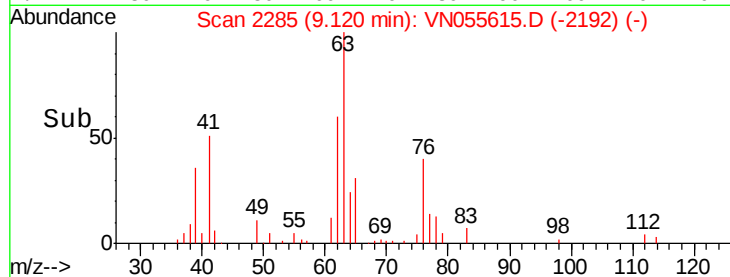
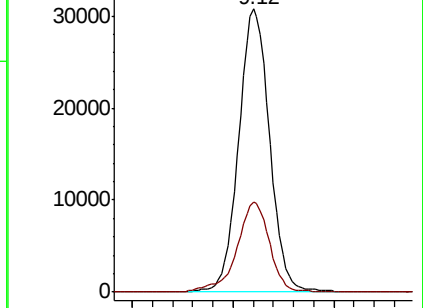
63 100

65 31.8 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VN055615.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN055615.D (-2192) (-)



#46

Dibromomethane

Concen: 19.644 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

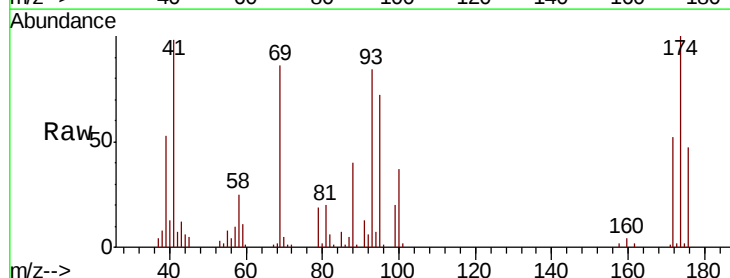
Tgt Ion: 93 Resp: 43878

Ion Ratio Lower Upper

93 100

95 83.6 67.9 101.9

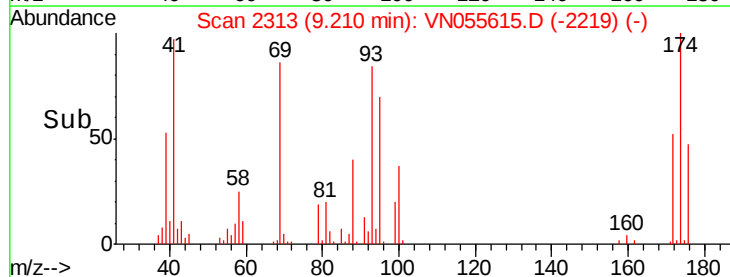
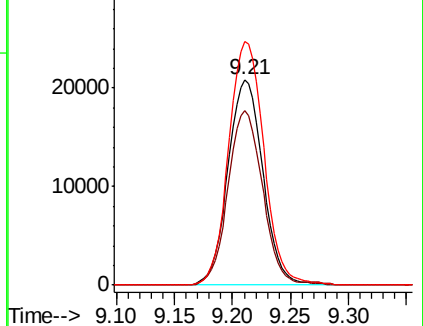
174 119.2 93.8 140.6

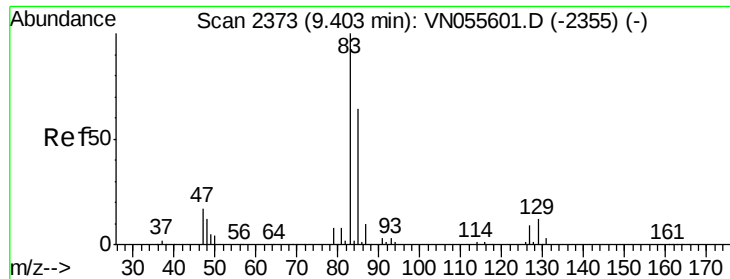


Abundance Ion 92.80 (92.50 to 93.50): VN055615.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN055615.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN055615.D (-2219) (-)





#47

Bromodichloromethane

Concen: 18.802 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

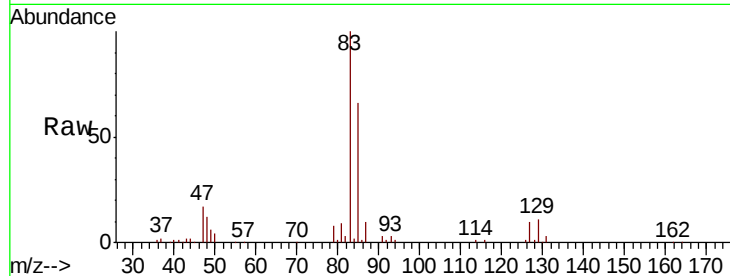
Tot Ion: 83 Resp: 88016

Ion Ratio Lower Upper

83 100

85 65.6 51.4 77.0

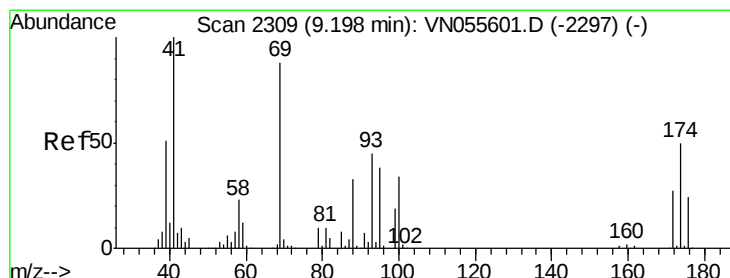
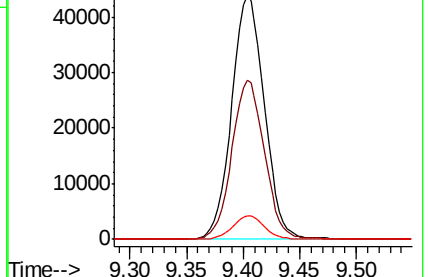
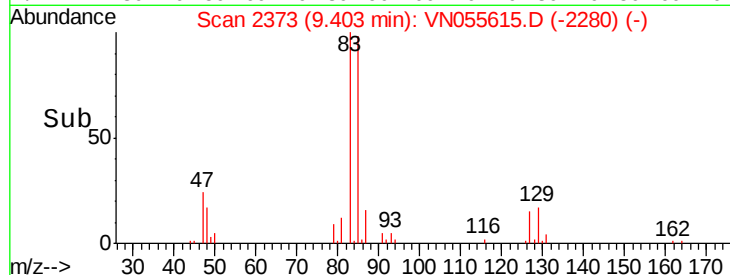
127 9.8 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN055615.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055615.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055615.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.938 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

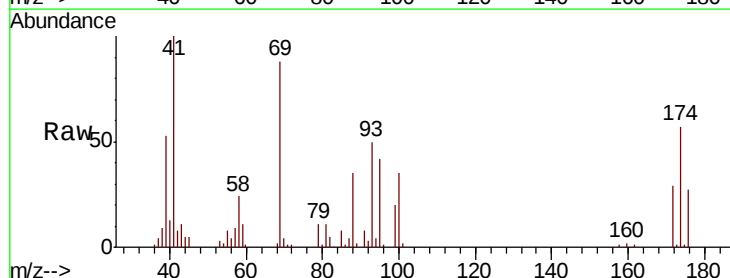
Tgt Ion: 41 Resp: 61609

Ion Ratio Lower Upper

41 100

69 95.9 74.2 111.2

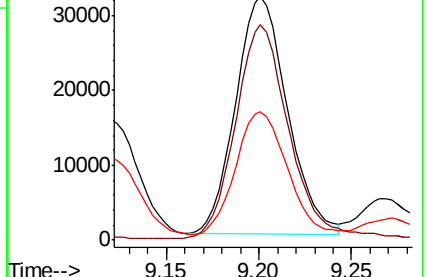
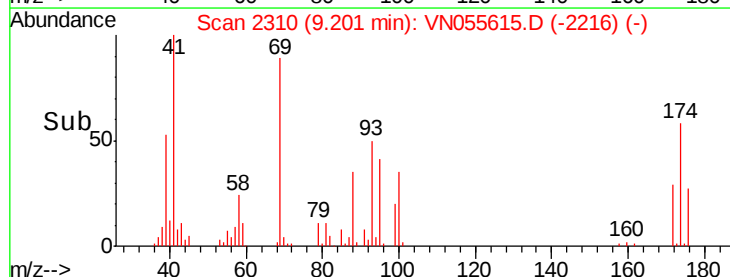
39 56.0 43.8 65.8

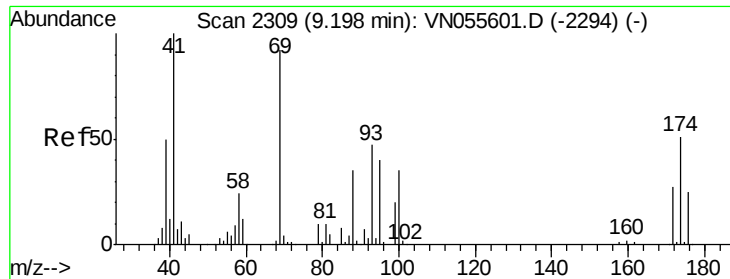


Abundance Ion 41.00 (40.70 to 41.70): VN055615.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN055615.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN055615.D (-2216) (-)

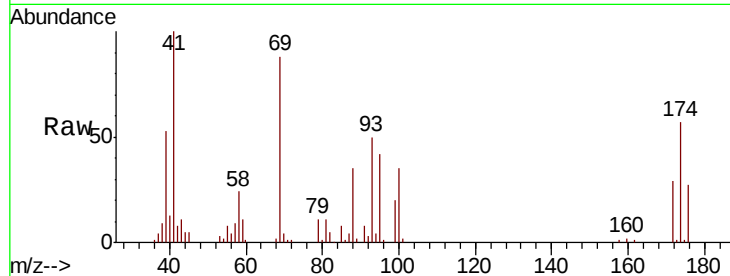




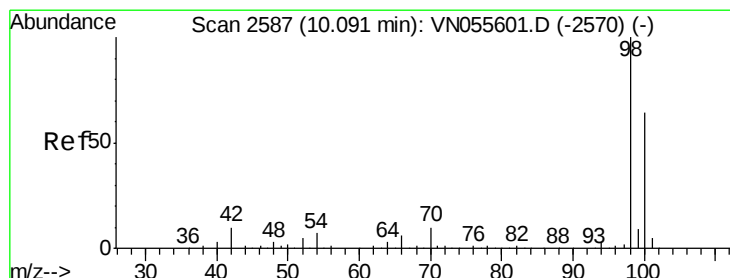
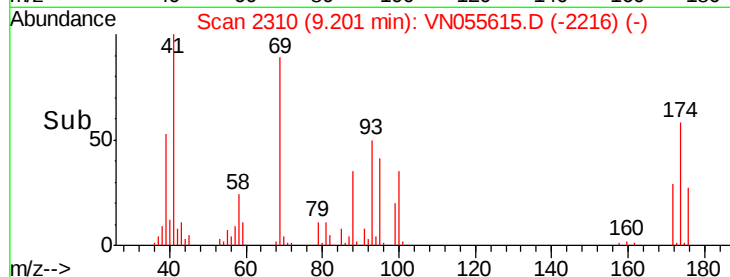
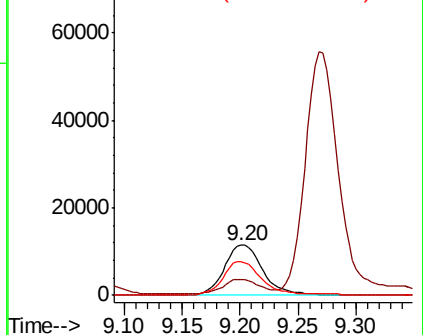
#49
1,4-Dioxane
Concen: 432.729 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 26570
Ion Ratio Lower Upper
88 100
43 27.8 22.4 33.6
58 66.8 53.4 80.2

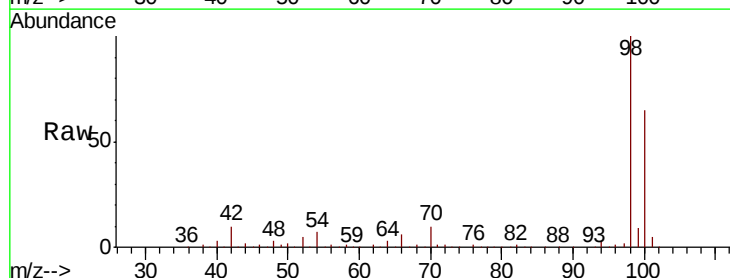


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

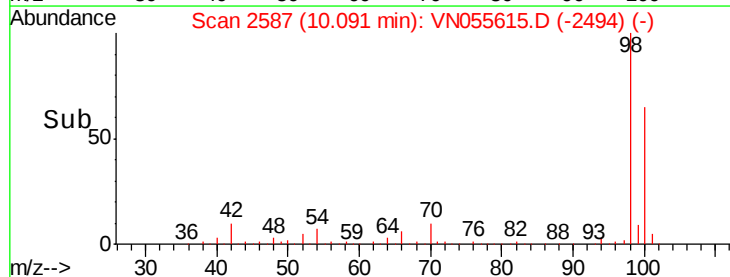
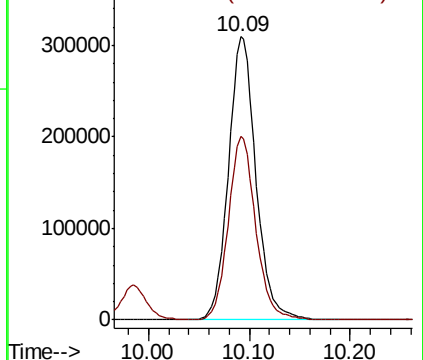


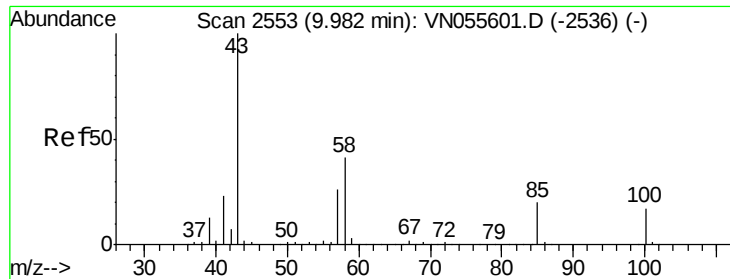
#50
Toluene-d8
Concen: 49.452 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 98 Resp: 586771
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 99.393 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

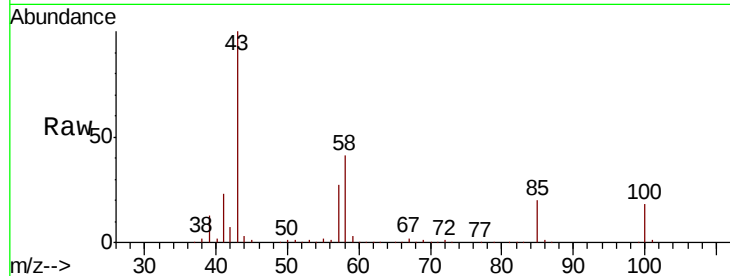
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 403062

Ion Ratio Lower Upper

43 100

58 41.5 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN055601.D (-2536) (-)

9.99

250000

200000

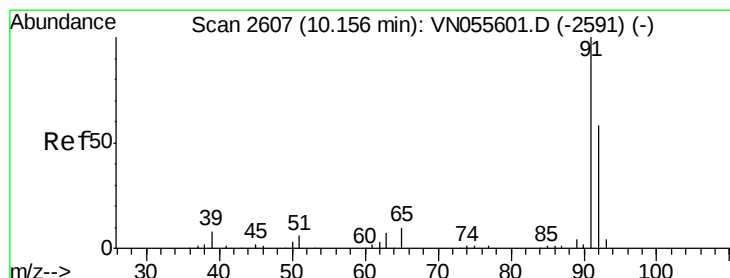
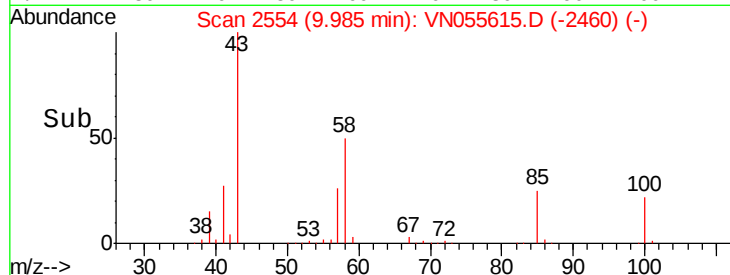
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.983 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055615.D

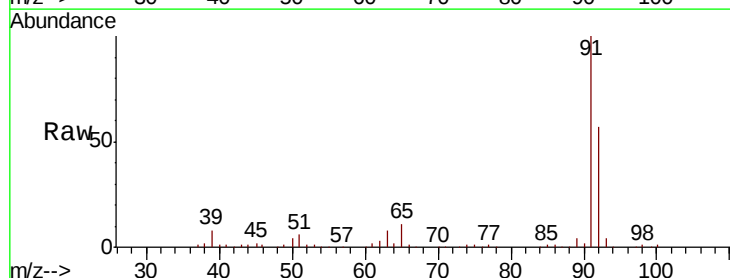
Acq: 17 May 2019 17:09

Tgt Ion: 92 Resp: 154244

Ion Ratio Lower Upper

92 100

91 174.2 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN055601.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055601.D (-2591) (-)

10.16

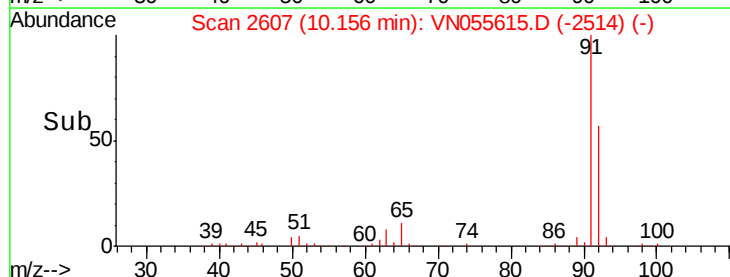
150000

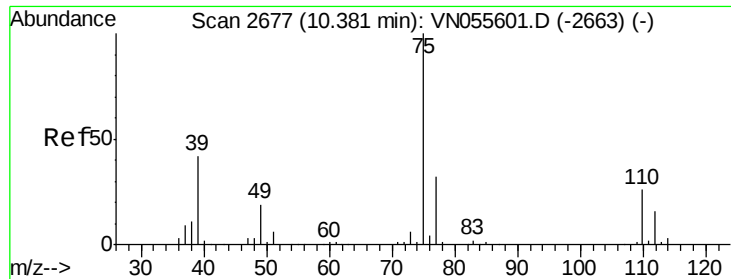
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.859 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

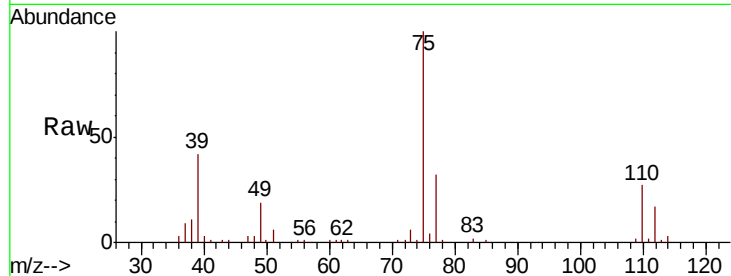
ClientSampled :

Tot Ion: 75 Resp: 95018

Ion Ratio Lower Upper

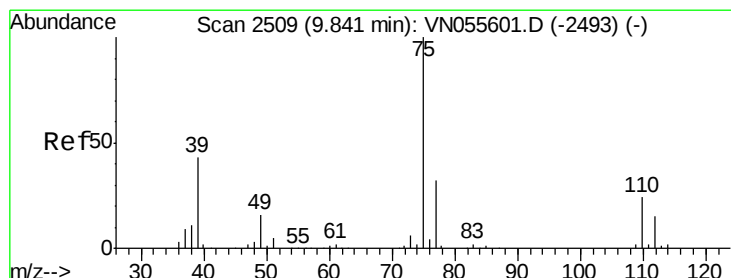
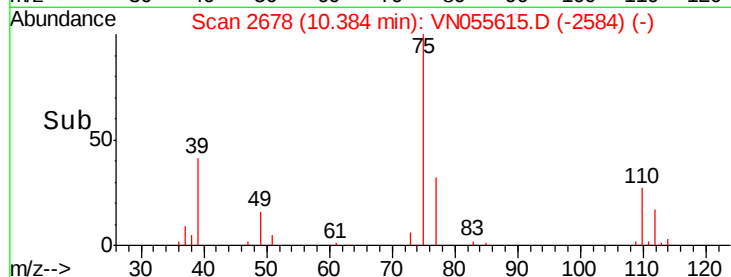
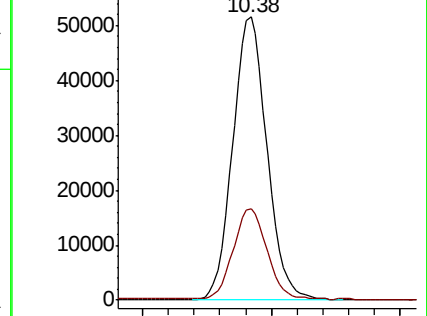
75 100

77 31.9 25.4 38.2



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: 19.074 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

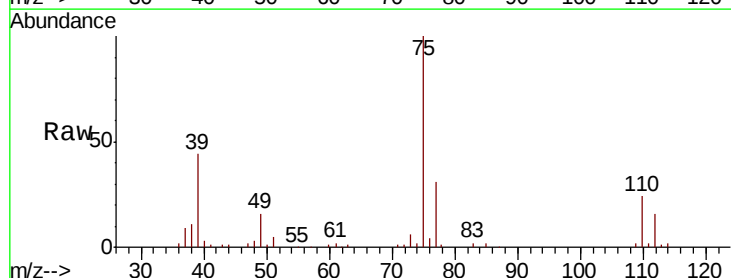
Tgt Ion: 75 Resp: 105280

Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5

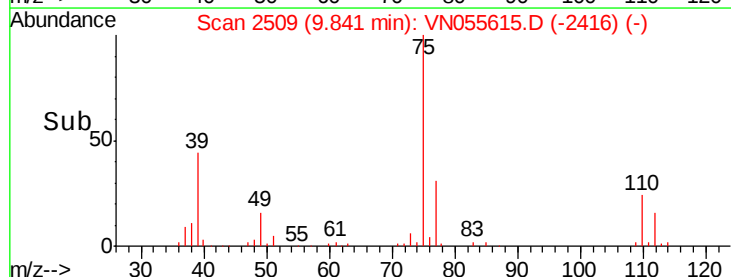
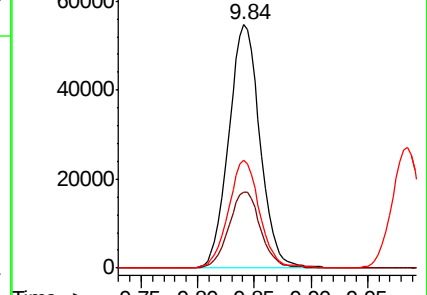
39 44.4 34.7 52.1

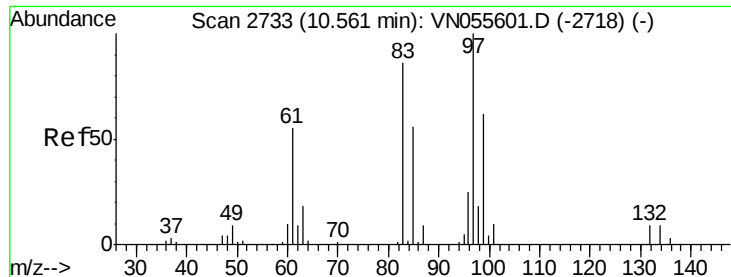


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.306 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 64577

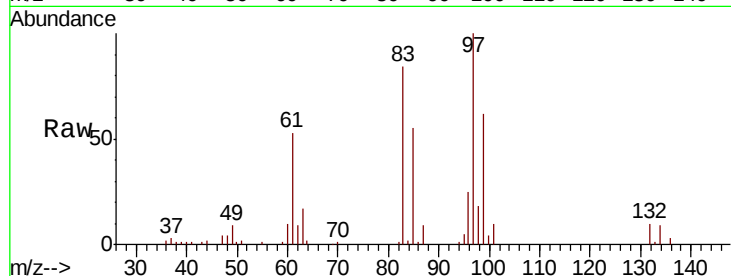
Ion Ratio Lower Upper

97 100

83 83.9 68.4 102.6

85 55.3 44.8 67.2

99 61.8 49.9 74.9

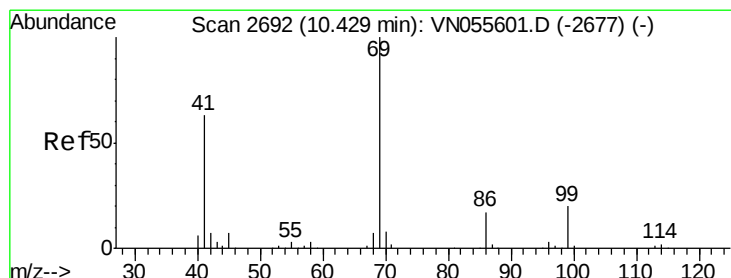
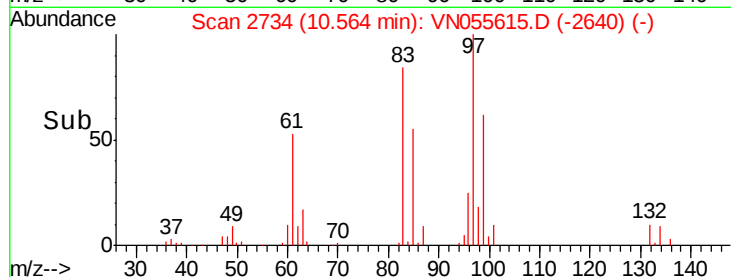
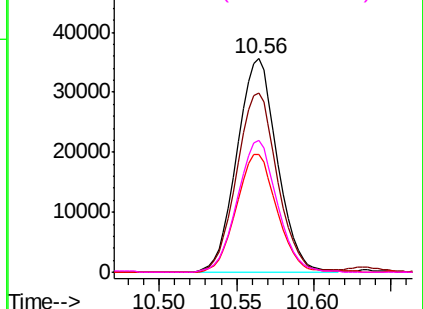


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 18.761 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

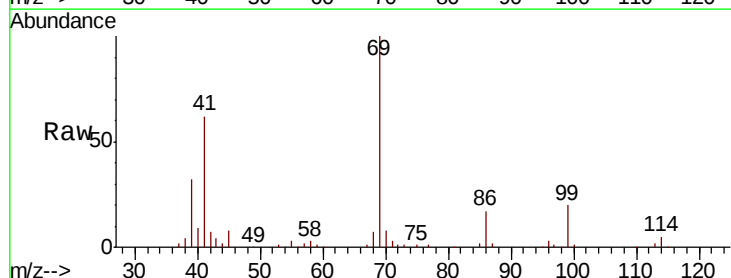
Tgt Ion: 69 Resp: 97962

Ion Ratio Lower Upper

69 100

41 61.8 50.3 75.5

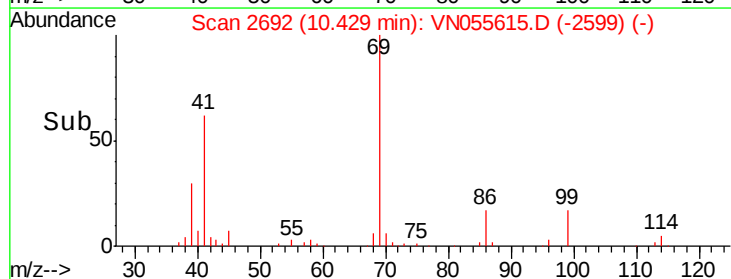
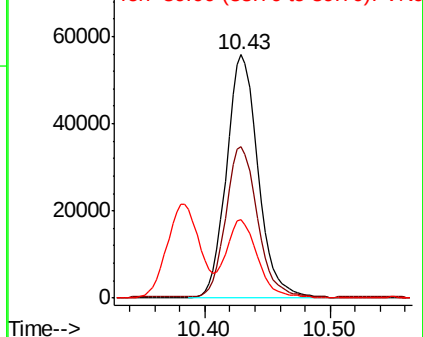
39 31.9 25.4 38.2

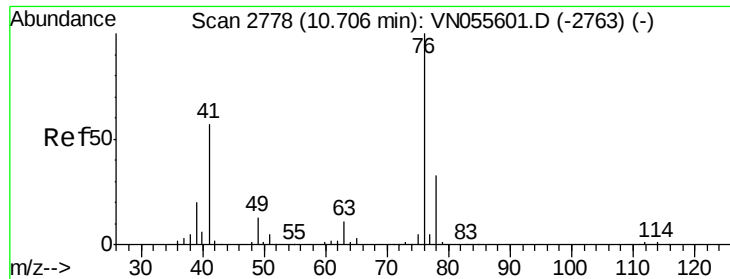


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

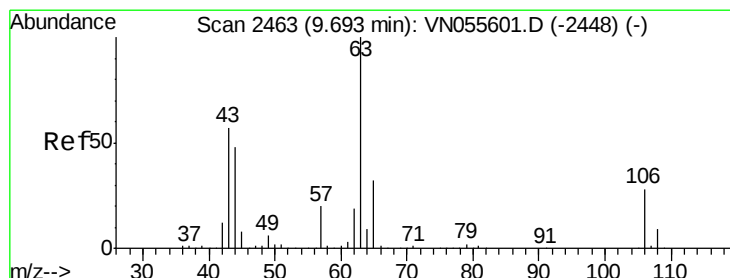
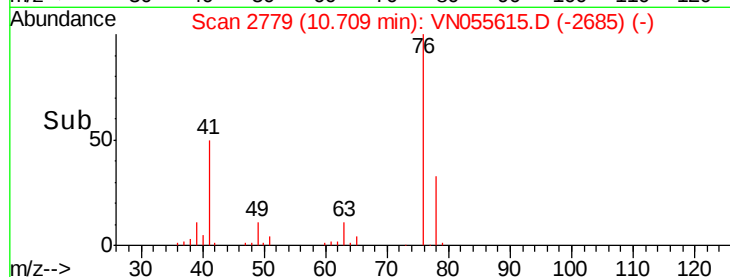
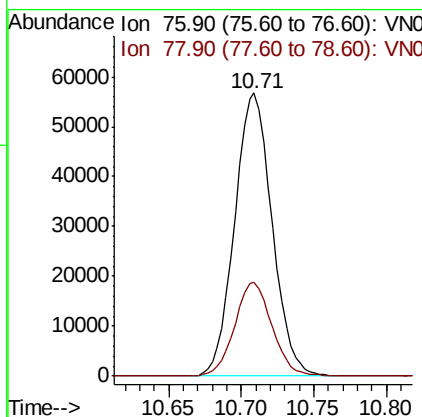
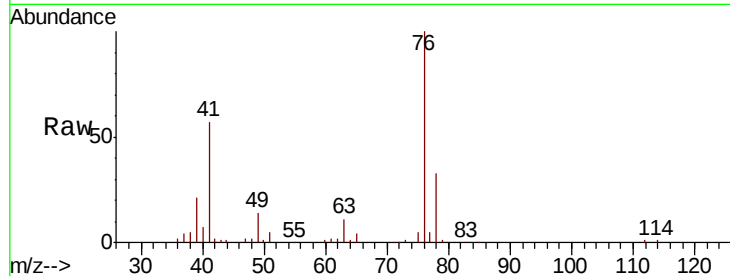




#57
 1,3-Dichloropropane
 Concen: 19.232 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

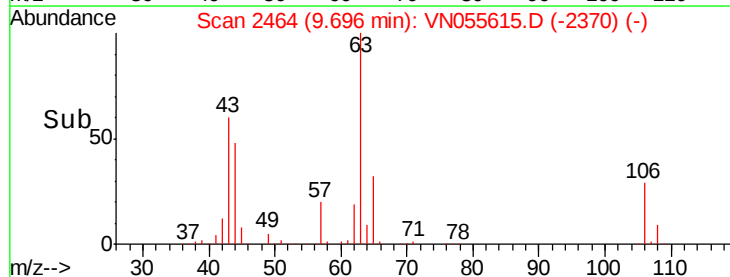
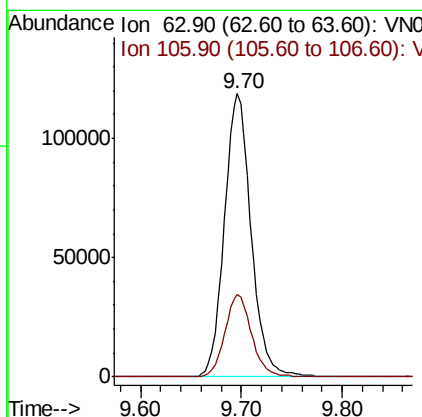
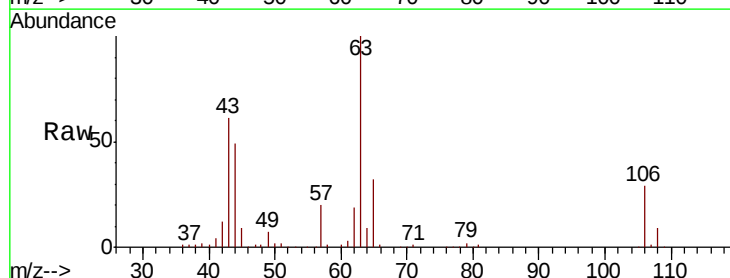
Instrument :
 MSVOA_N
 ClientSampleId :

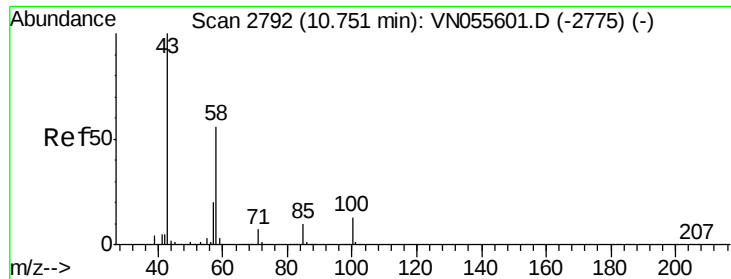
Tot Ion: 76 Resp: 101889
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.5 39.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.841 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Tgt Ion: 63 Resp: 219296
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.0 34.6

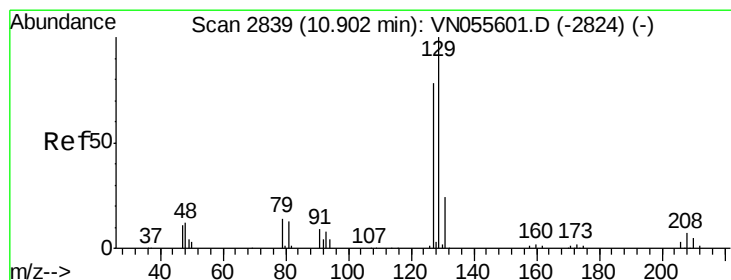
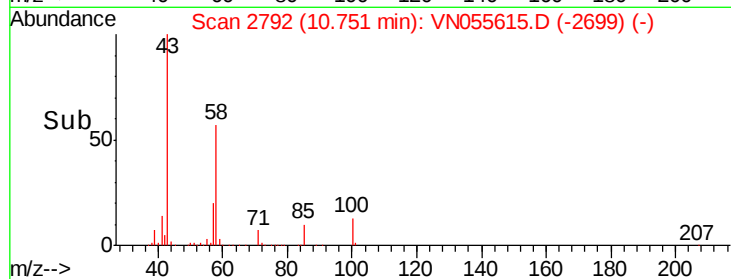
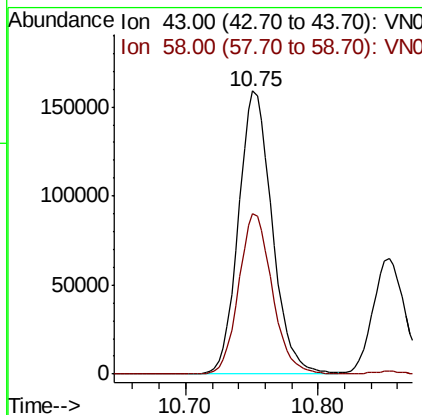
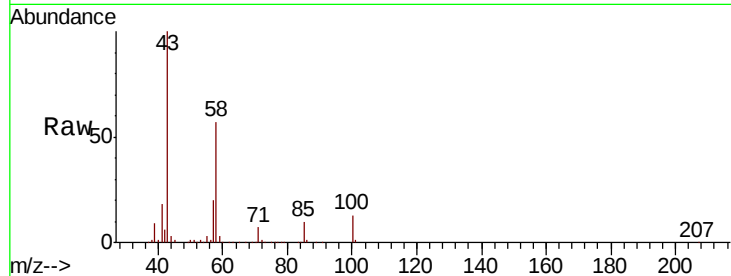




#59
2-Hexanone
Concen: 97.696 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

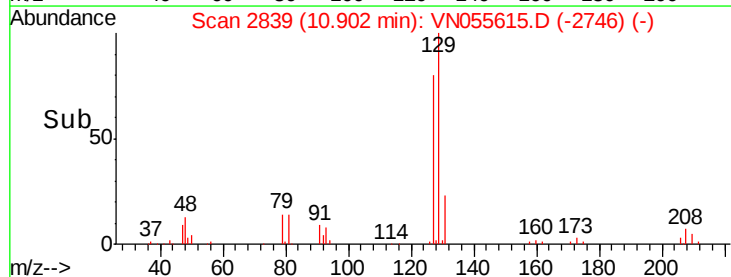
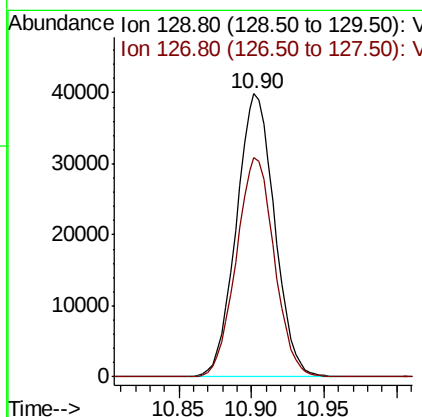
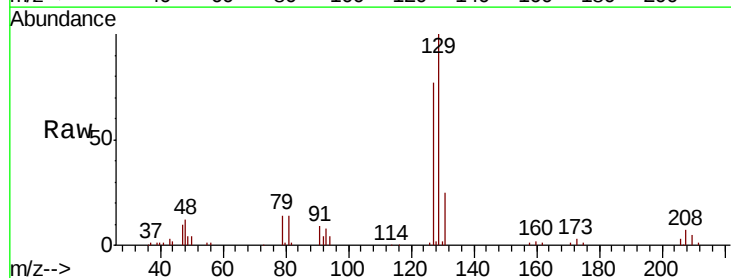
Instrument :
MSVOA_N
ClientSampleId :

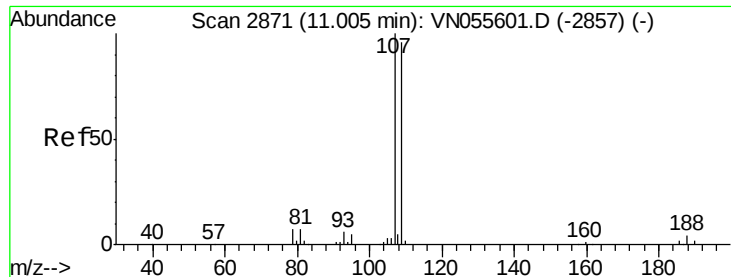
Tot Ion: 43 Resp: 278930
Ion Ratio Lower Upper
43 100
58 56.7 28.1 84.4



#60
Dibromochloromethane
Concen: 19.243 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 129 Resp: 72954
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.456 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

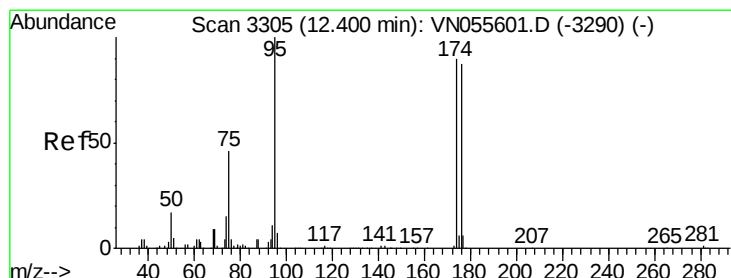
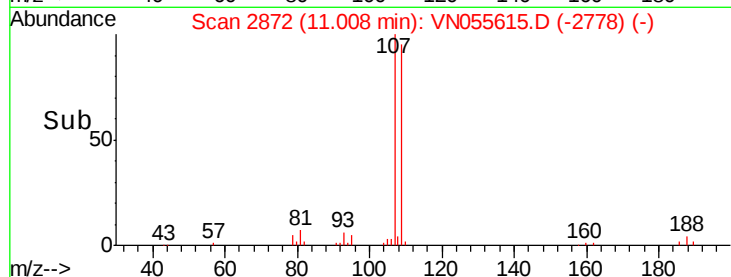
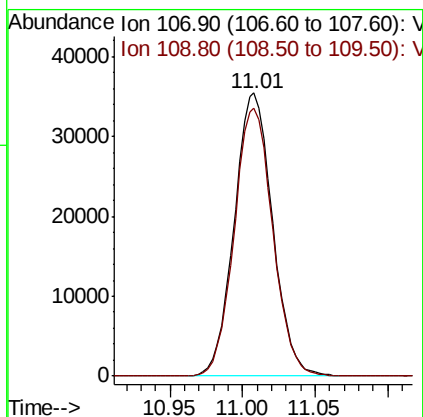
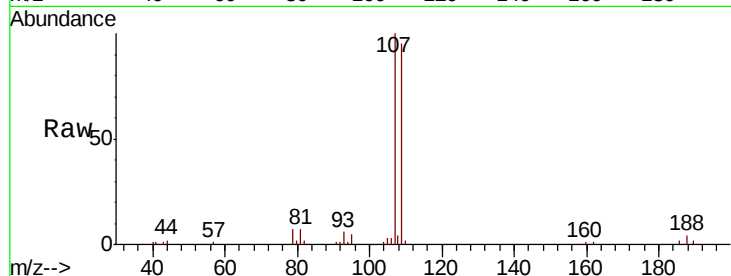
ClientSampleId :

Tot Ion:107 Resp: 65118

Ion Ratio Lower Upper

107 100

109 95.1 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 48.739 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

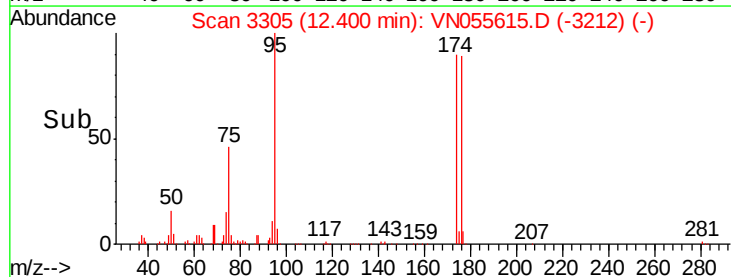
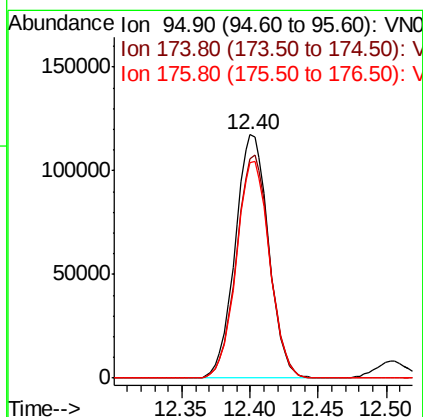
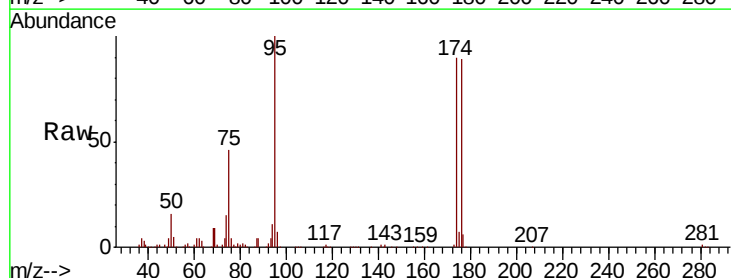
Tgt Ion: 95 Resp: 199700

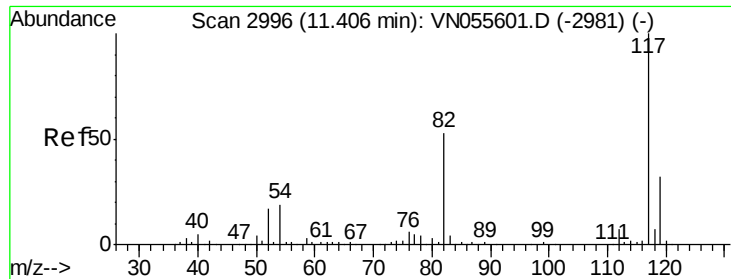
Ion Ratio Lower Upper

95 100

174 90.7 0.0 180.6

176 88.7 0.0 177.4

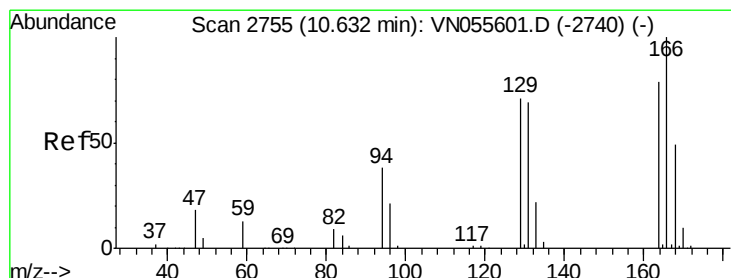
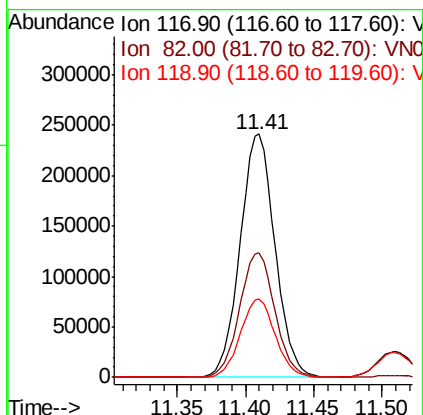
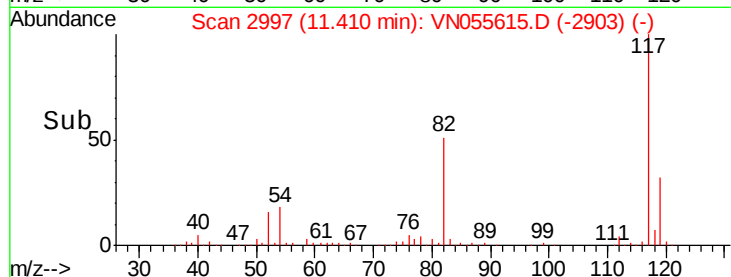
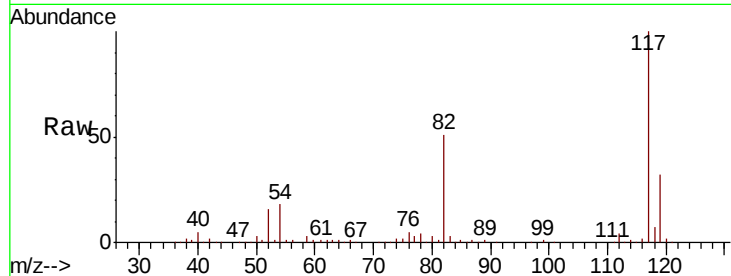




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

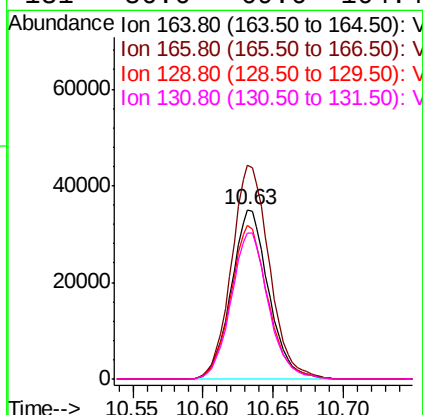
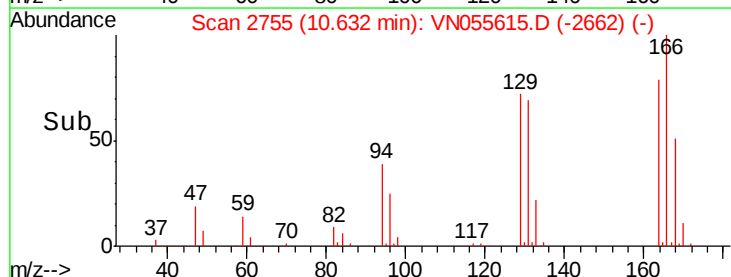
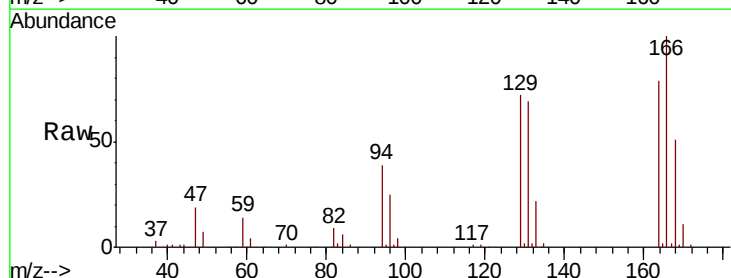
Instrument :
MSVOA_N
ClientSampleId :

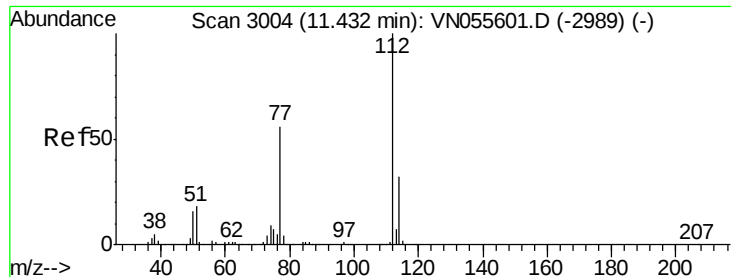
Tot Ion:117 Resp: 427699
Ion Ratio Lower Upper
117 100
82 51.1 42.3 63.5
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 19.216 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion:164 Resp: 64823
Ion Ratio Lower Upper
164 100
166 126.4 101.0 151.6
129 90.7 71.7 107.5
131 86.6 69.6 104.4

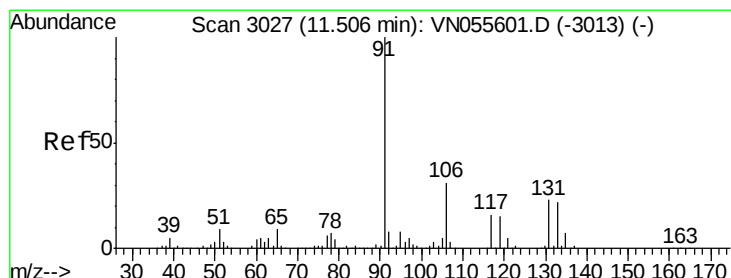
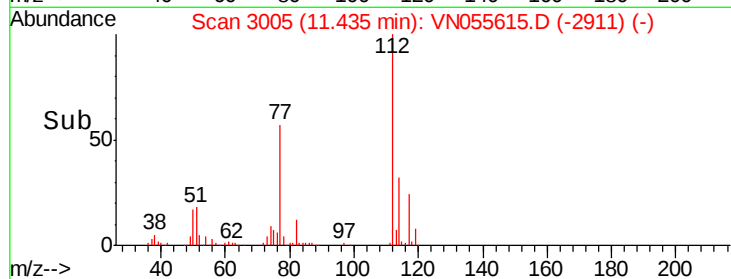
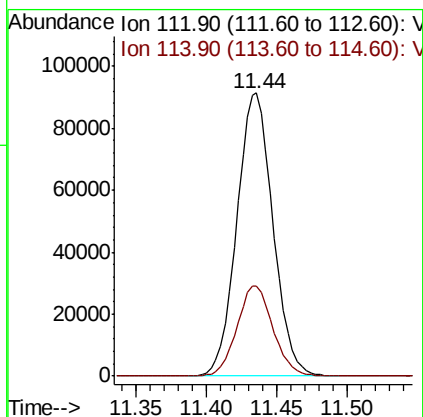
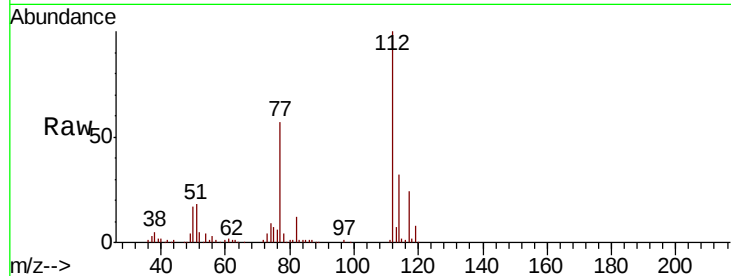




#65
Chlorobenzene
Concen: 18.904 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

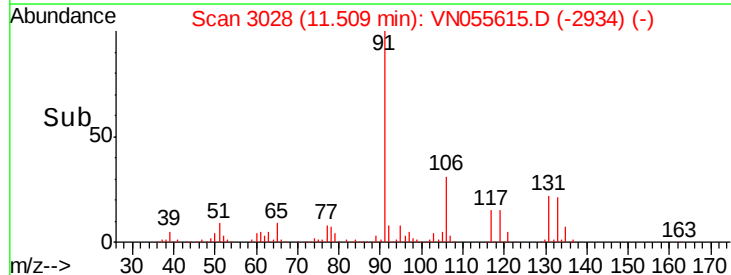
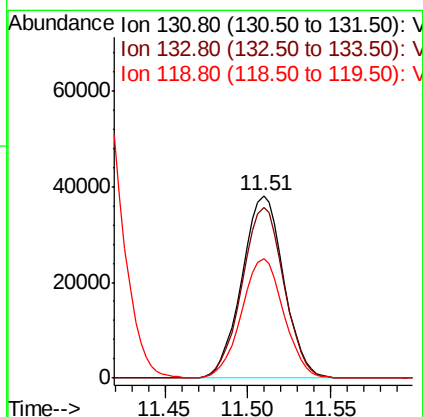
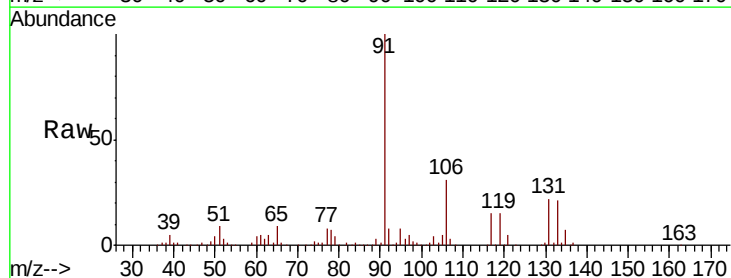
Instrument :
MSVOA_N
ClientSampleId :

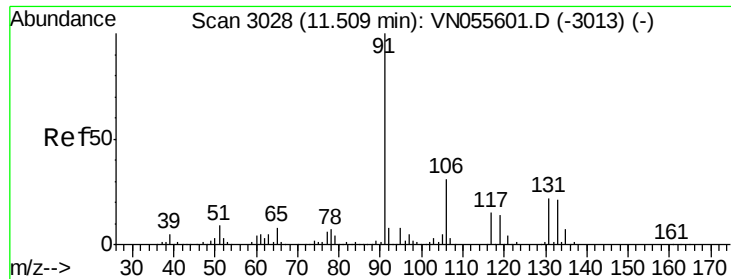
Tot Ion:112 Resp: 163532
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.243 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion:131 Resp: 66968
Ion Ratio Lower Upper
131 100
133 93.9 47.8 143.4
119 65.9 33.3 99.8

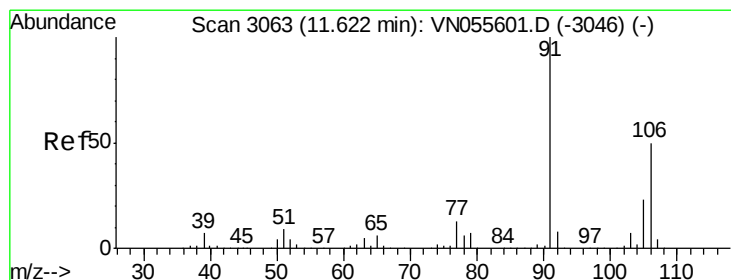
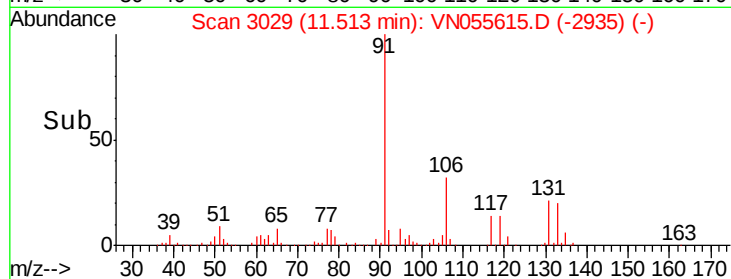
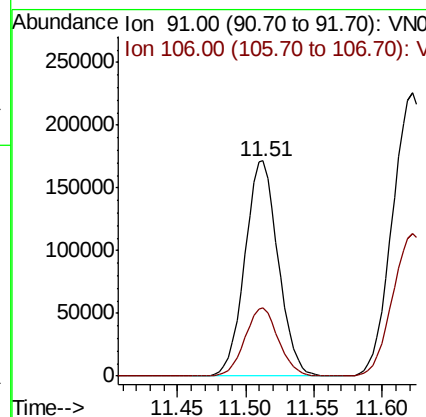
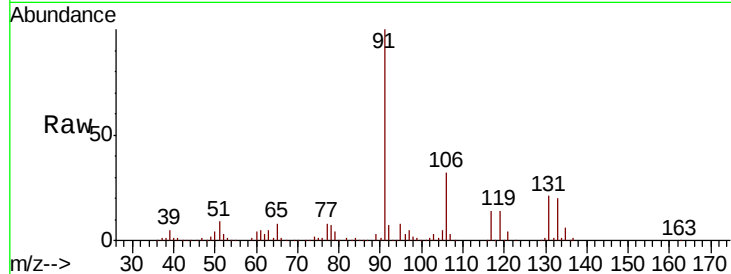




#67
Ethyl Benzene
Concen: 18.863 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

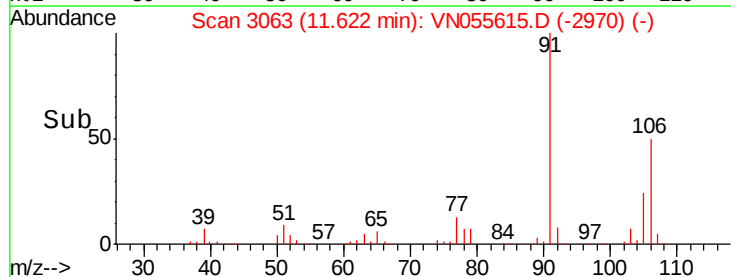
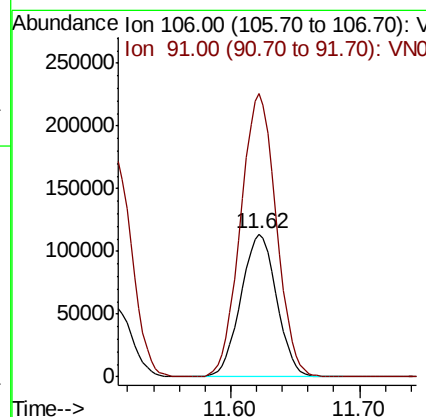
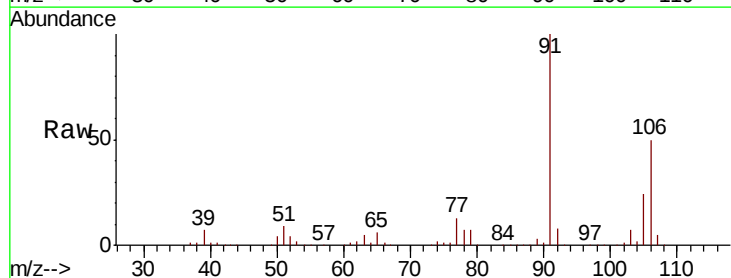
Instrument :
MSVOA_N
ClientSampled :

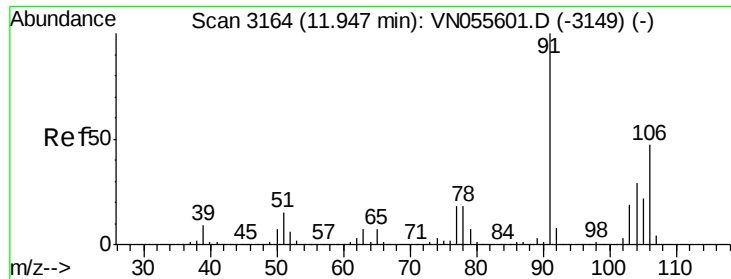
Tot Ion: 91 Resp: 290686
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8



#68
m/p-Xylenes
Concen: 37.676 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion: 106 Resp: 219258
Ion Ratio Lower Upper
106 100
91 197.6 160.5 240.7

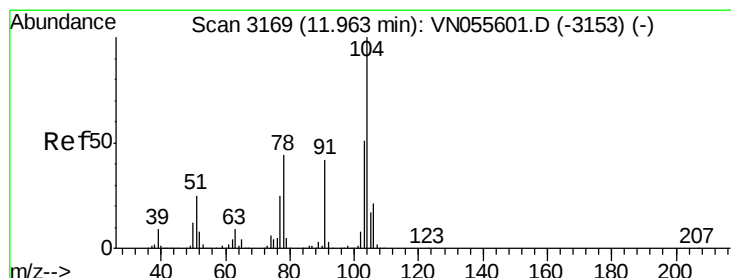
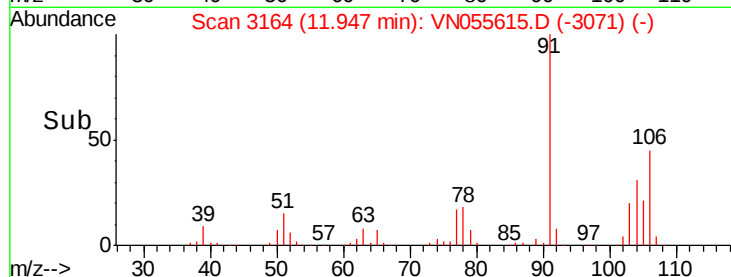
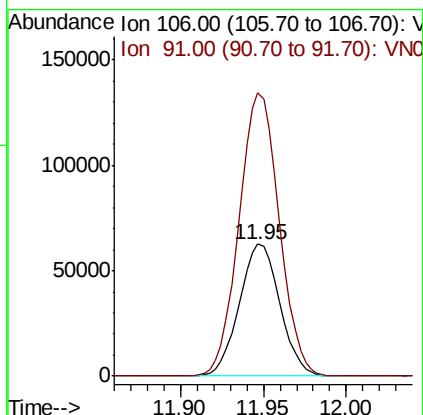
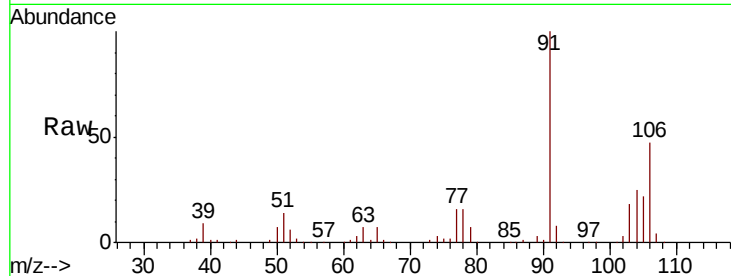




#69
o-Xylene
Concen: 18.728 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

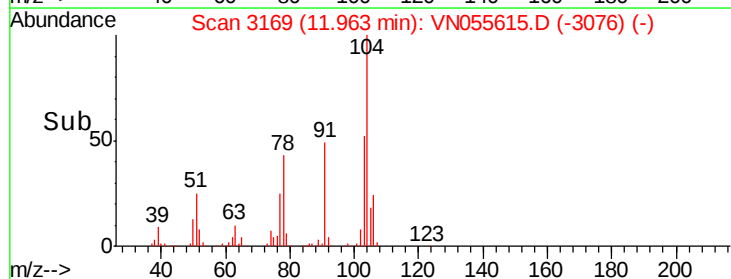
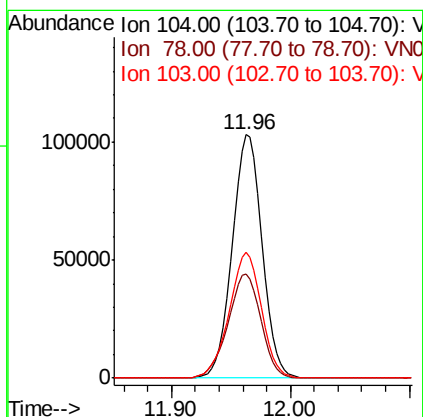
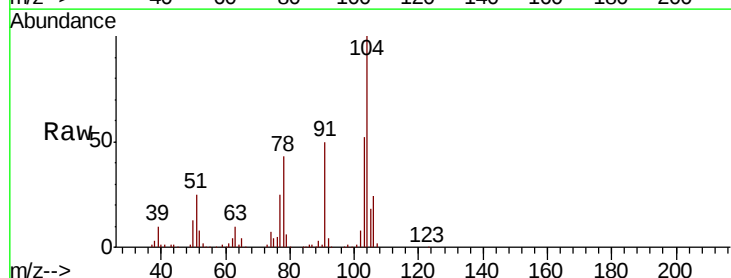
Instrument :
MSVOA_N
ClientSampled :

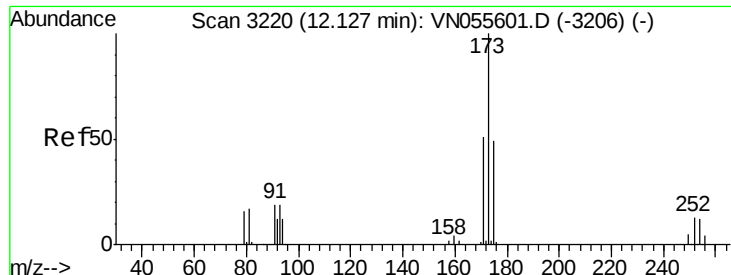
Tot Ion:106 Resp: 106602
Ion Ratio Lower Upper
106 100
91 212.6 106.7 320.2



#70
Styrene
Concen: 18.946 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055615.D
Acq: 17 May 2019 17:09

Tgt Ion:104 Resp: 179308
Ion Ratio Lower Upper
104 100
78 47.2 38.6 58.0
103 55.7 44.4 66.6





#71

Bromoform

Concen: 19.424 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

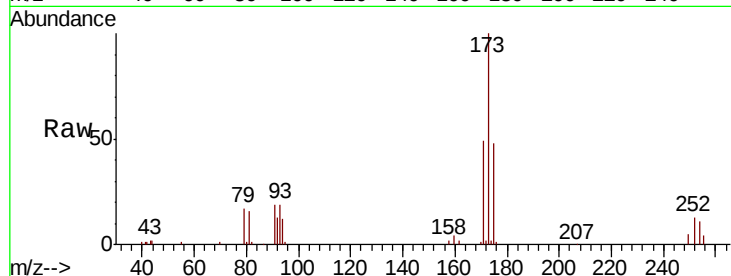
Tot Ion:173 Resp: 57285

Ion Ratio Lower Upper

173 100

175 48.8 24.3 72.9

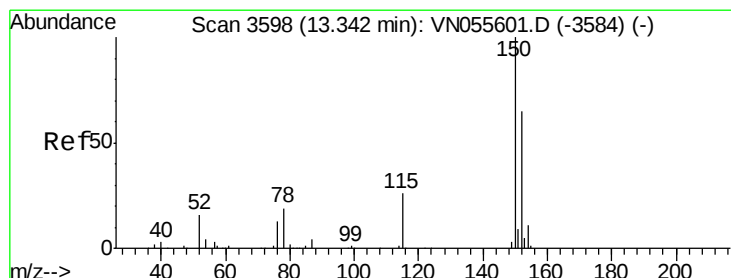
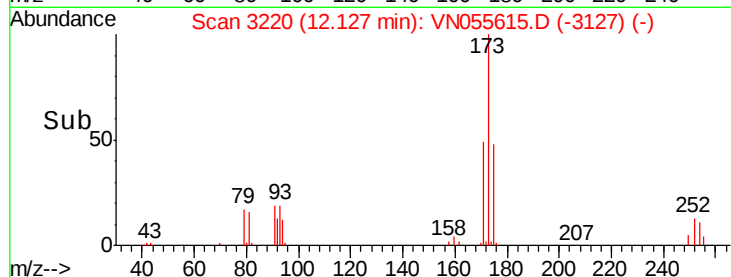
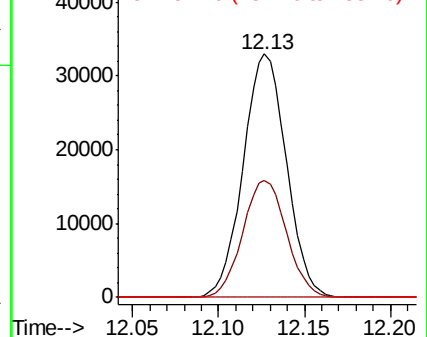
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

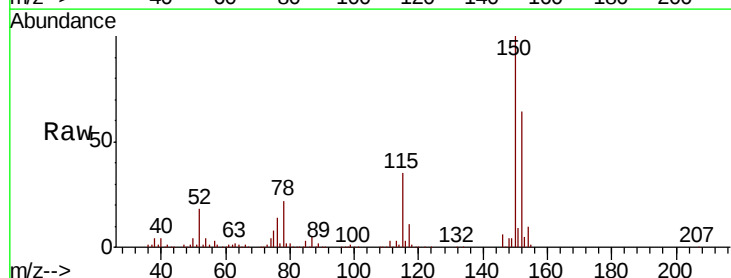
Tgt Ion:152 Resp: 187003

Ion Ratio Lower Upper

152 100

115 55.3 28.1 84.2

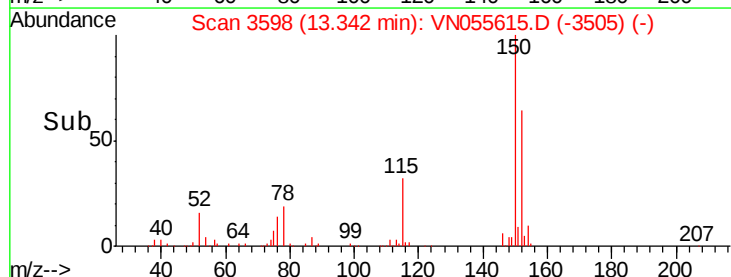
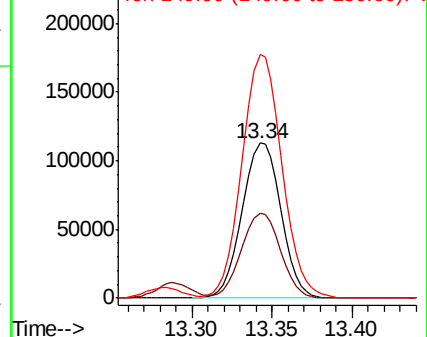
150 161.8 0.0 348.0

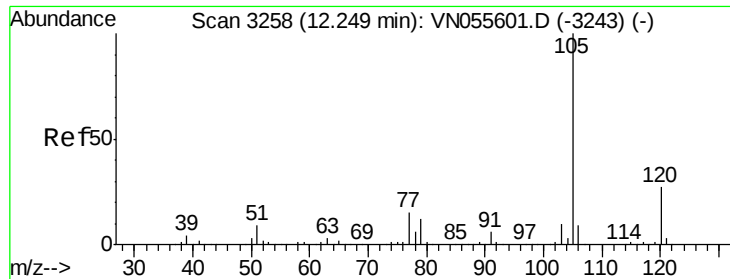


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.412 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

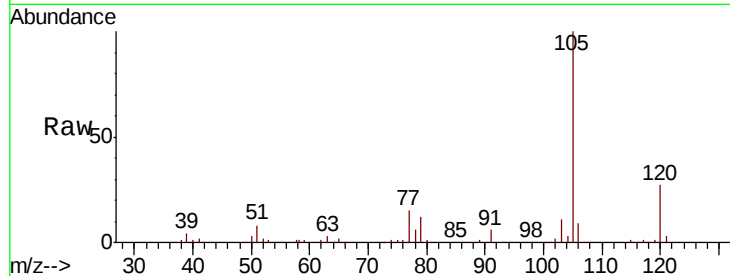
ClientSampled :

Tot Ion:105 Resp: 286577

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

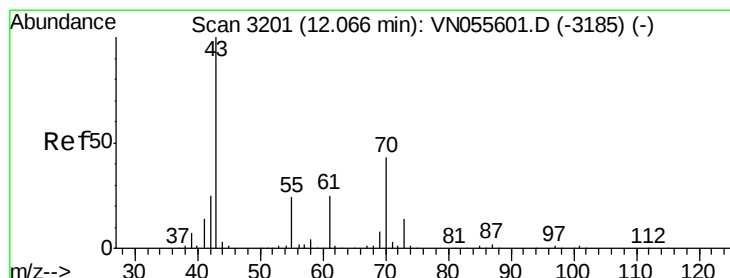
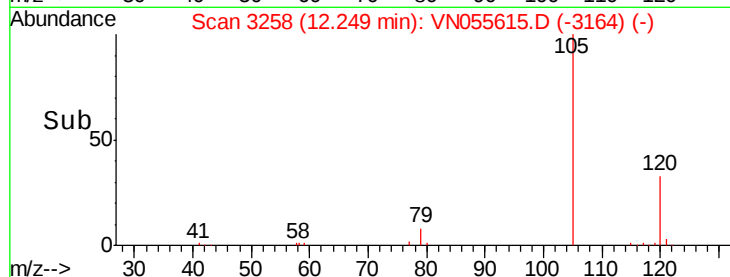
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.186 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Tgt Ion: 43 Resp: 100747

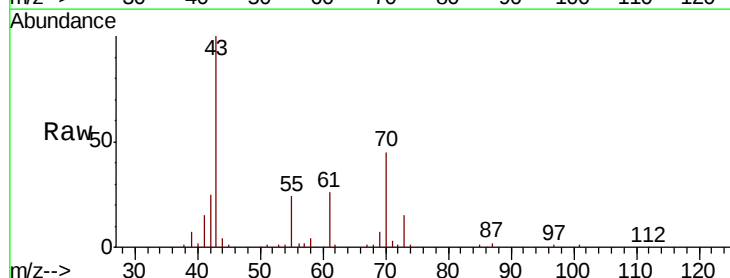
Ion Ratio Lower Upper

43 100

70 44.4 35.0 52.6

55 23.8 18.9 28.3

61 25.8 20.1 30.1



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

100000

80000

60000

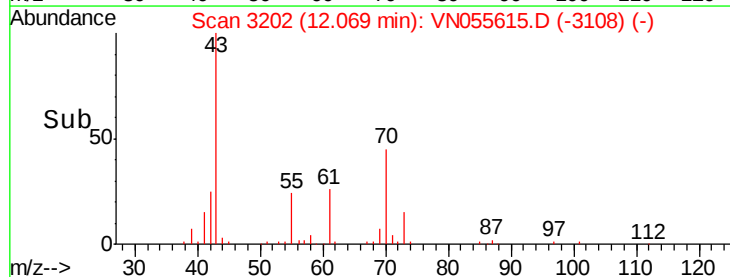
40000

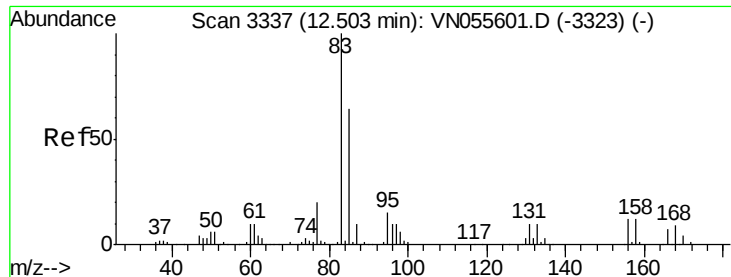
20000

0

12.00 12.07 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.590 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

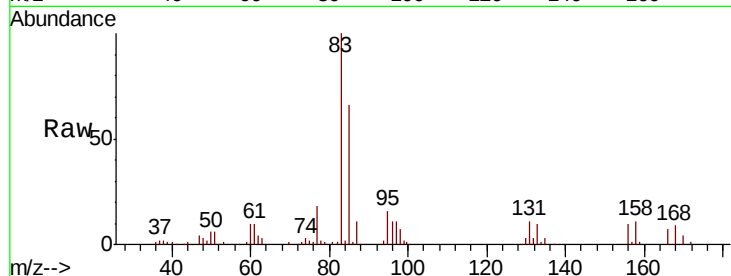
Tot Ion: 83 Resp: 89244

Ion Ratio Lower Upper

83 100

131 10.6 5.3 16.1

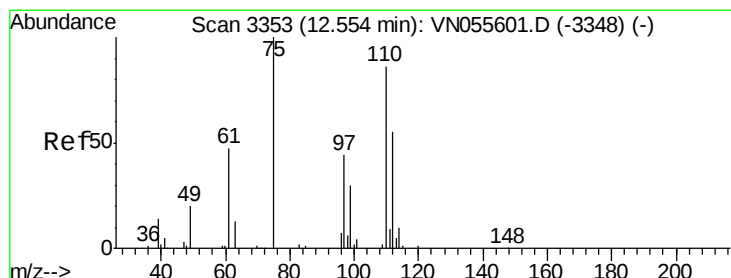
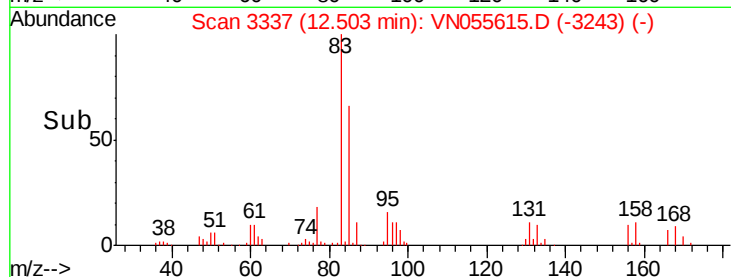
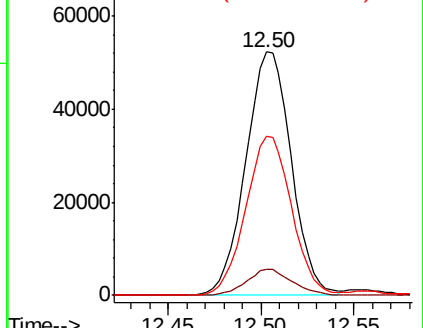
85 65.6 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VN055615.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055615.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055615.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 28.605 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055615.D

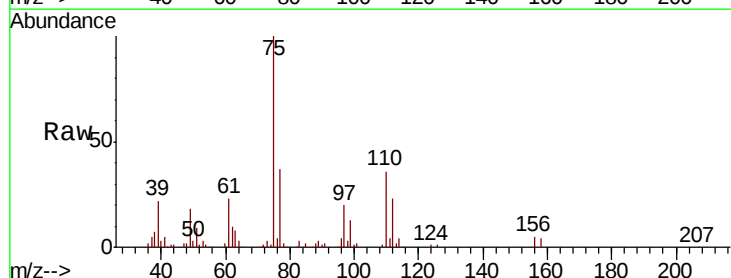
Acq: 17 May 2019 17:09

Tgt Ion: 75 Resp: 109151

Ion Ratio Lower Upper

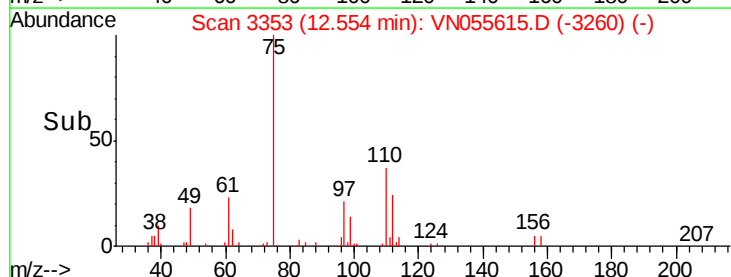
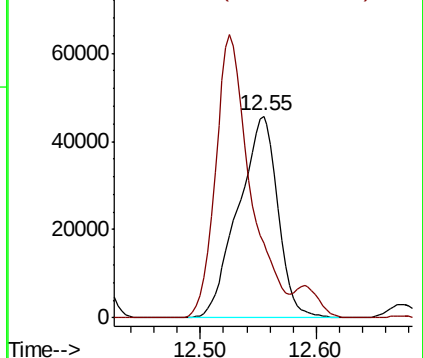
75 100

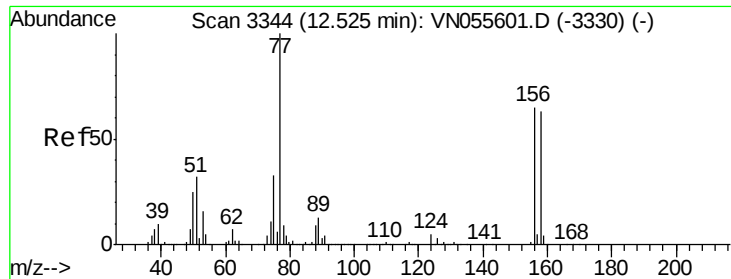
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055615.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055615.D (-3260) (-)





#77

Bromobenzene

Concen: 19.173 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

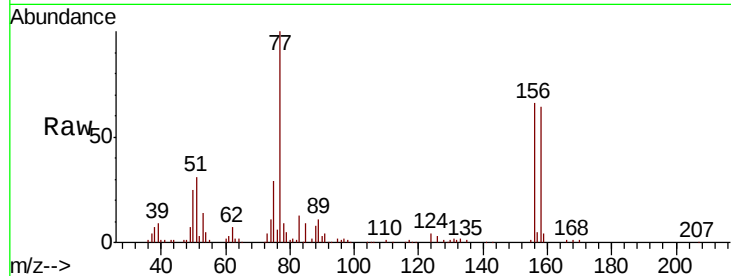
Tot Ion:156 Resp: 73636

Ion Ratio Lower Upper

156 100

77 182.2 94.5 283.5

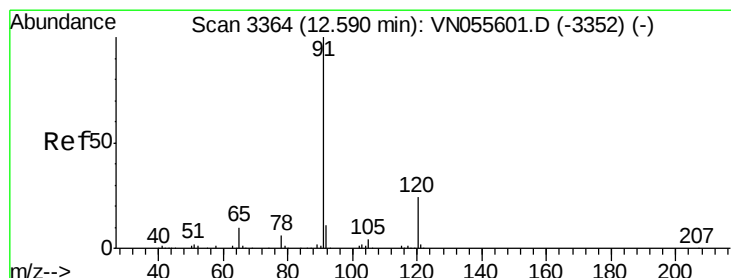
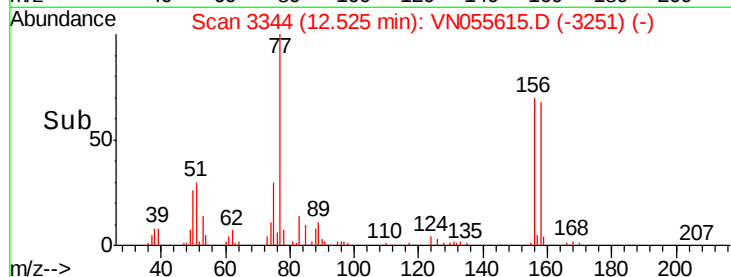
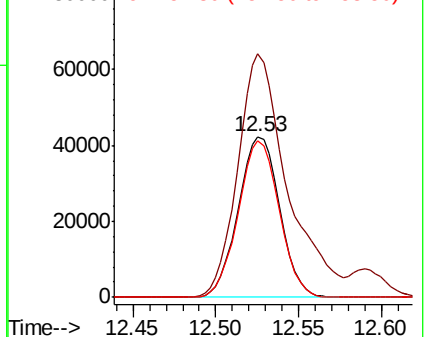
158 96.4 49.0 147.2



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: 18.380 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055615.D

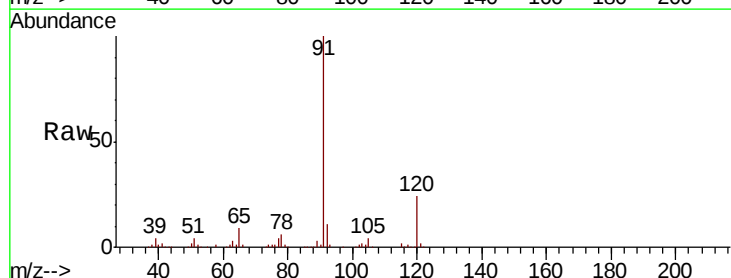
Acq: 17 May 2019 17:09

Tgt Ion: 91 Resp: 305234

Ion Ratio Lower Upper

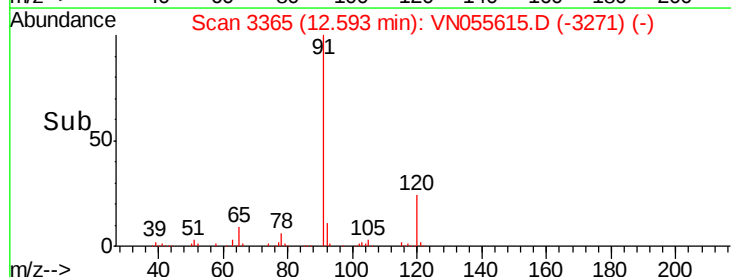
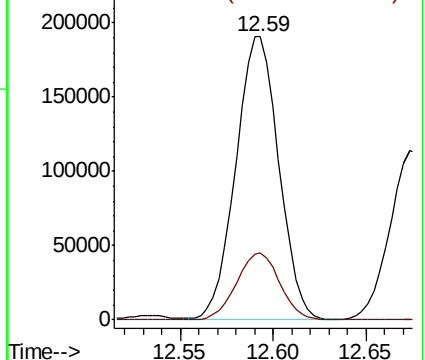
91 100

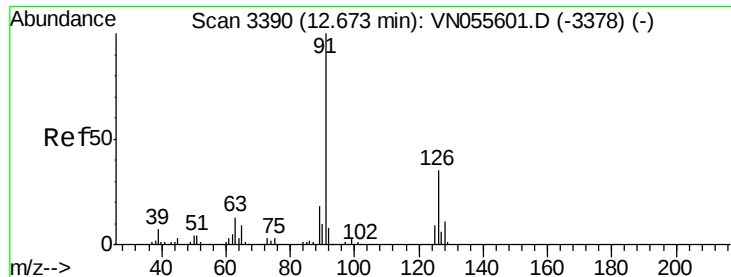
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.001 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

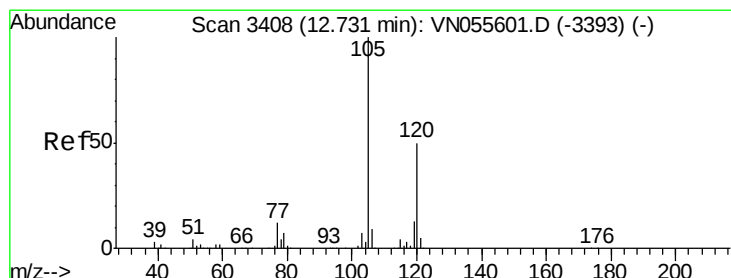
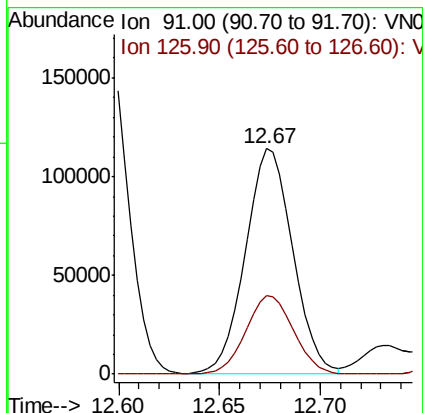
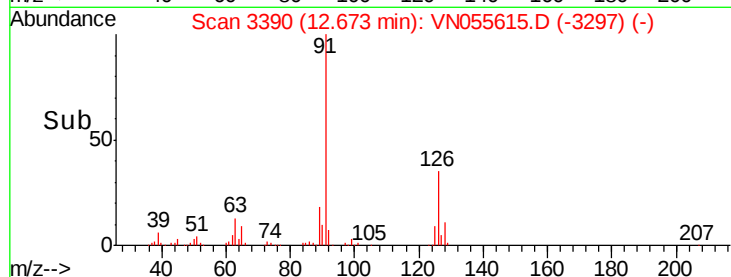
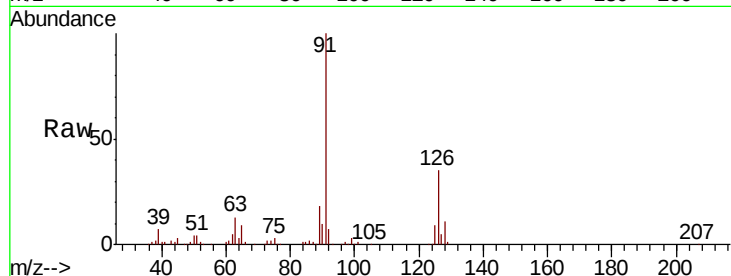
ClientSampled :

Tot Ion: 91 Resp: 186721

Ion Ratio Lower Upper

91 100

126 35.3 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 19.585 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055615.D

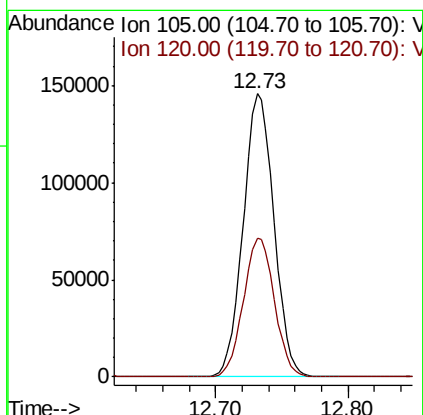
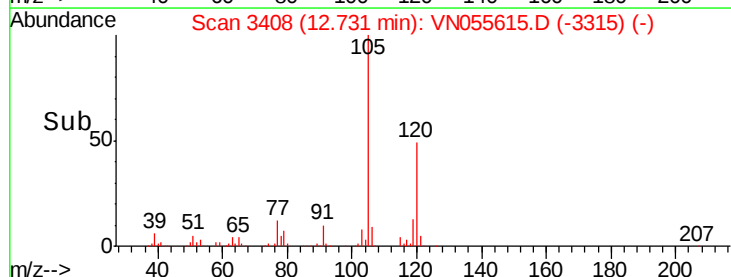
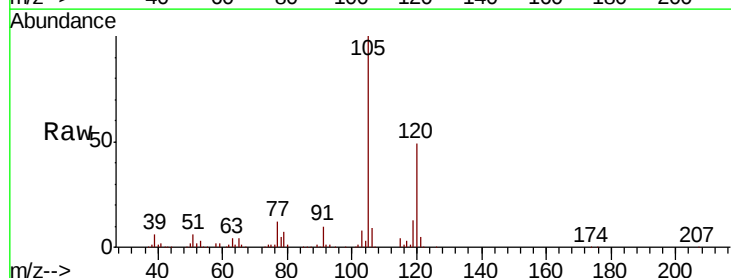
Acq: 17 May 2019 17:09

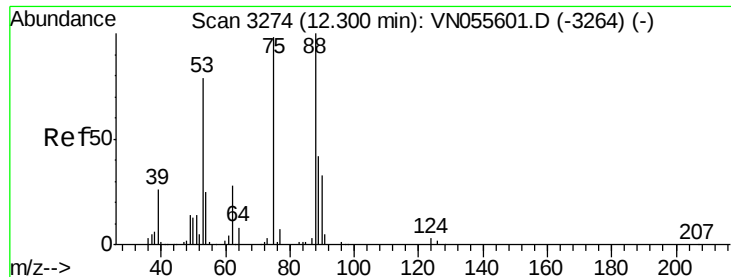
Tgt Ion:105 Resp: 233475

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.390 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

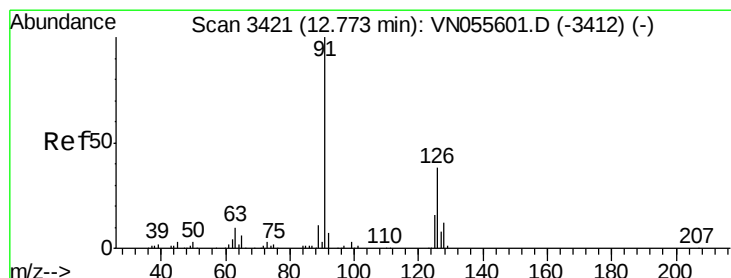
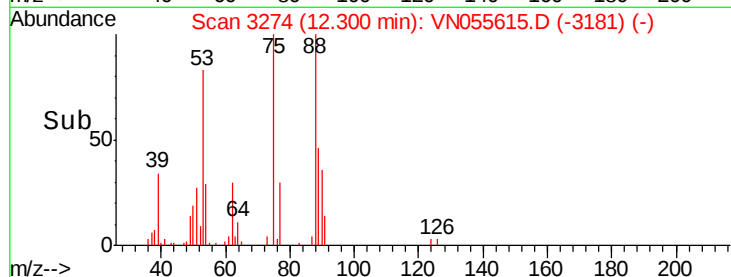
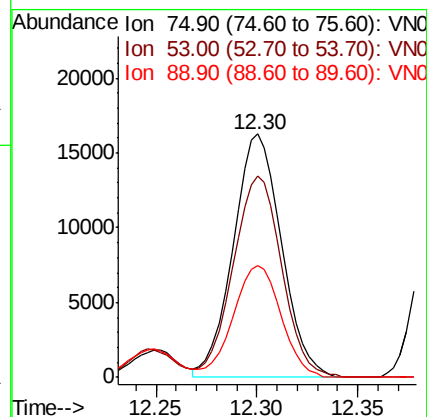
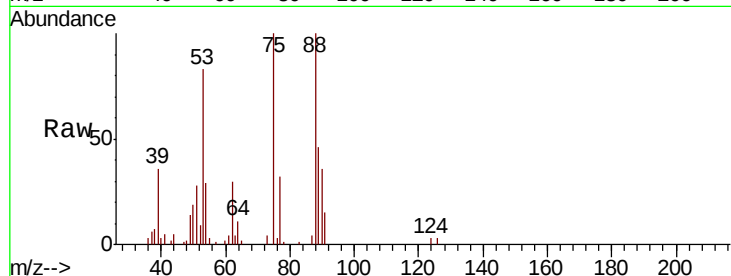
Tot Ion: 75 Resp: 27299

Ion Ratio Lower Upper

75 100

53 83.4 65.1 97.7

89 45.3 36.4 54.6



#82

4-Chlorotoluene

Concen: 18.274 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055615.D

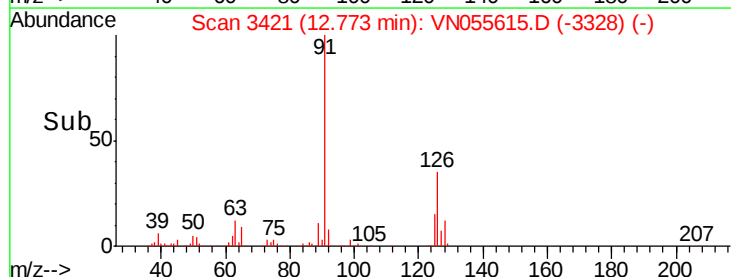
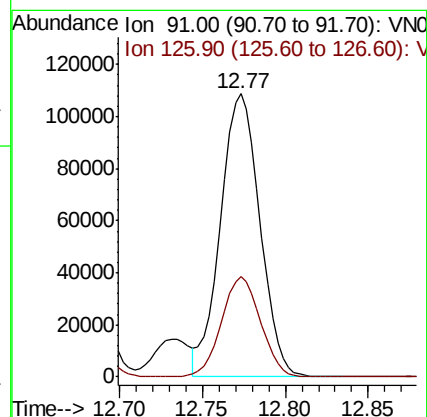
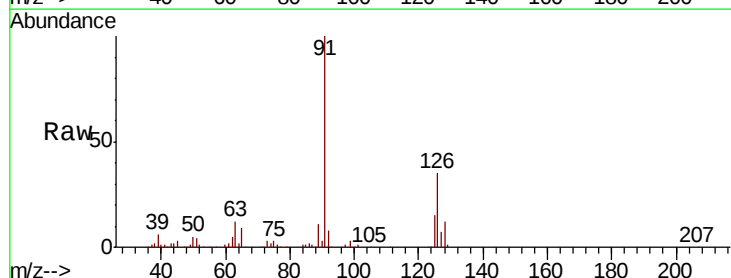
Acq: 17 May 2019 17:09

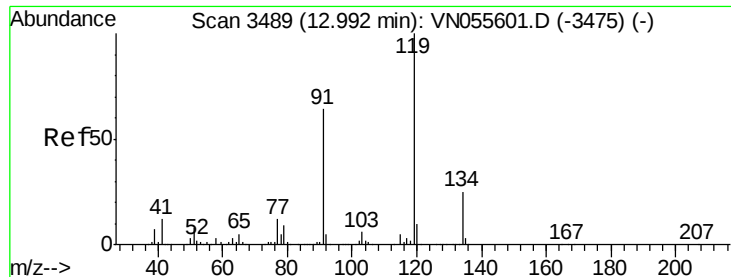
Tgt Ion: 91 Resp: 178805

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.6





#83

tert-Butylbenzene

Concen: 19.885 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

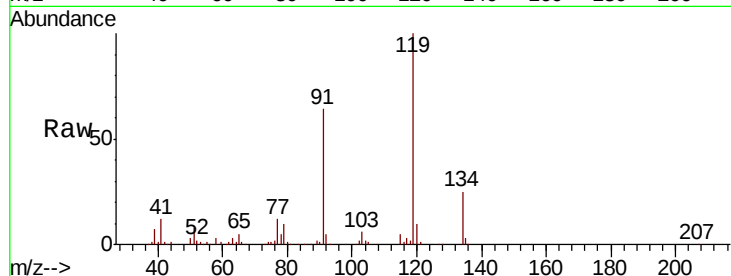
Tot Ion:119 Resp: 205065

Ion Ratio Lower Upper

119 100

91 62.2 31.3 93.8

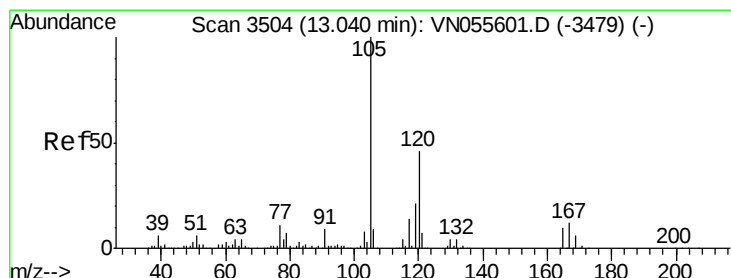
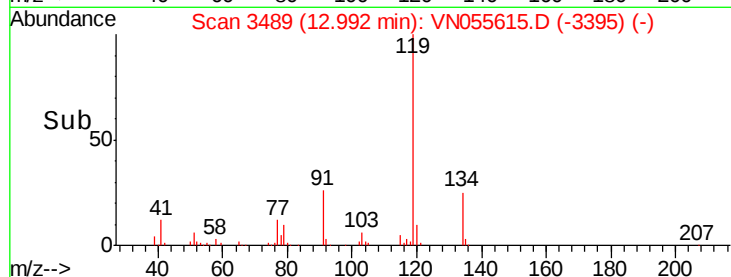
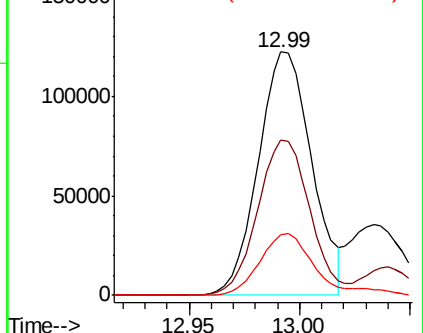
134 26.4 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.819 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055615.D

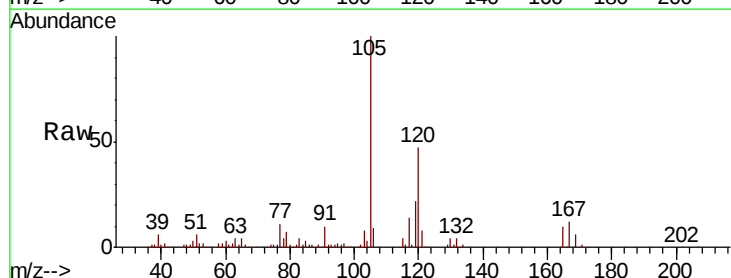
Acq: 17 May 2019 17:09

Tgt Ion:105 Resp: 233633

Ion Ratio Lower Upper

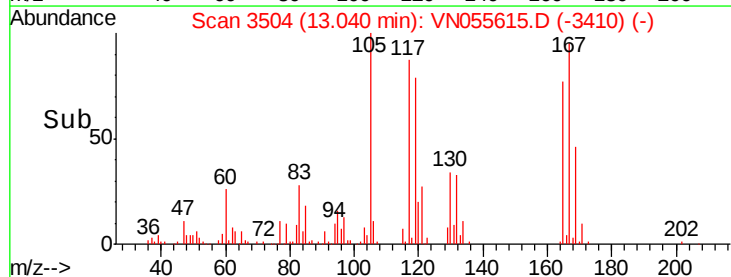
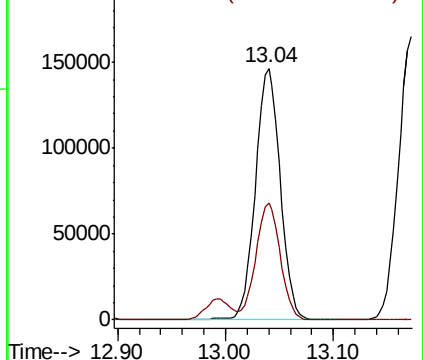
105 100

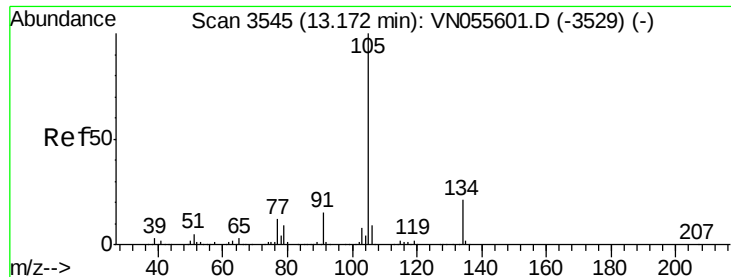
120 45.8 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.774 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

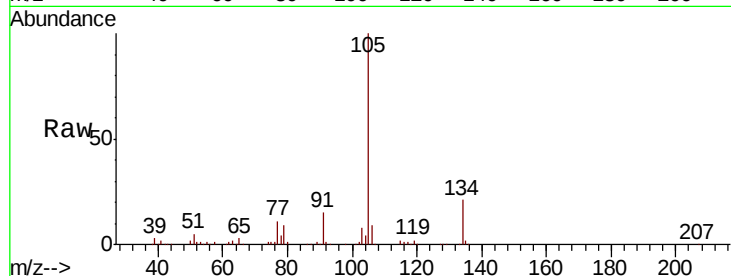
ClientSampleId :

Tot Ion:105 Resp: 263378

Ion Ratio Lower Upper

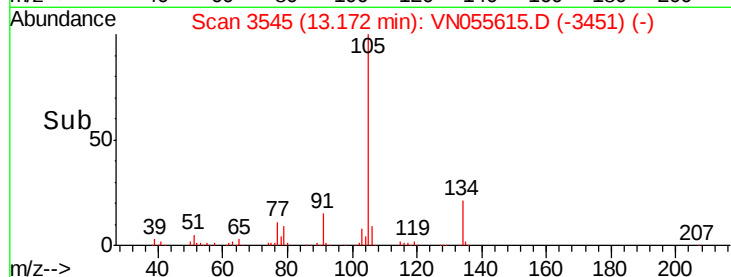
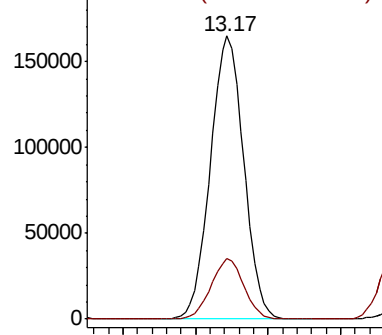
105 100

134 20.8 10.3 30.9

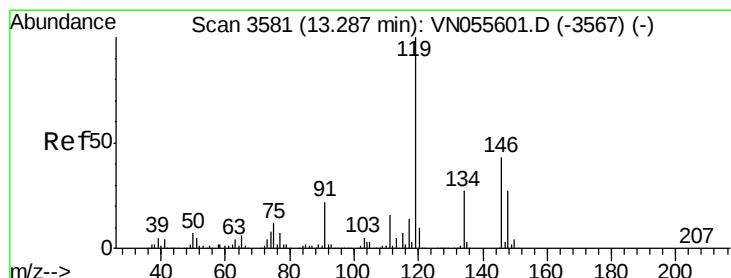


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.421 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

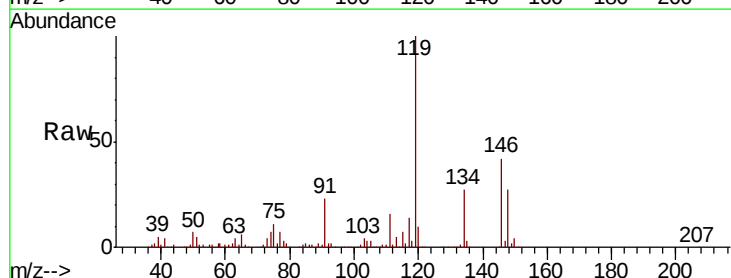
Tgt Ion:119 Resp: 238497

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

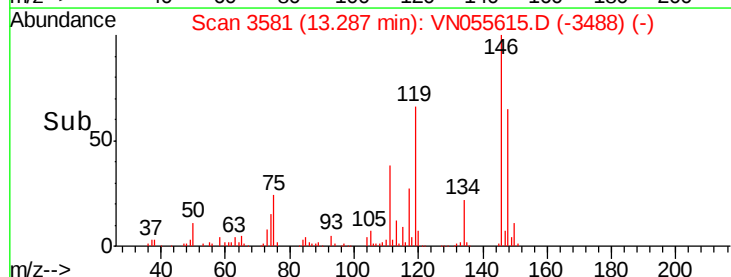
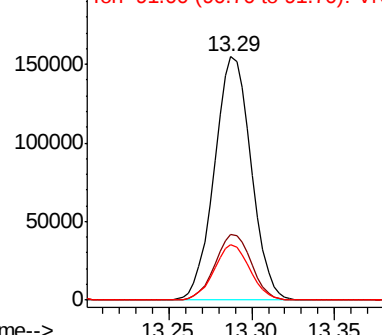
91 22.5 11.0 33.0



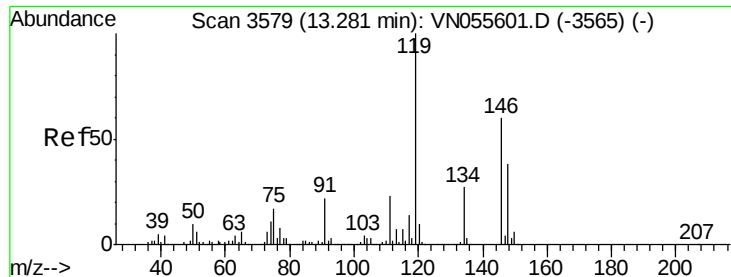
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->



#87

1,3-Dichlorobenzene

Concen: 18.622 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

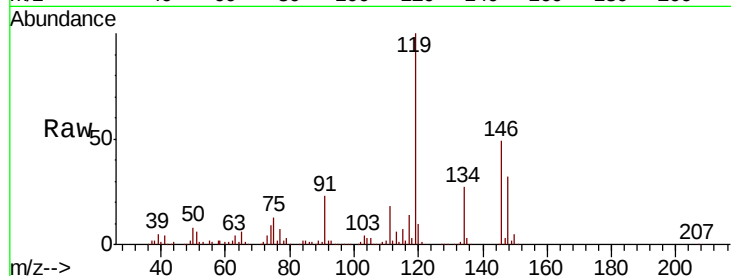
Tot Ion:146 Resp: 118252

Ion Ratio Lower Upper

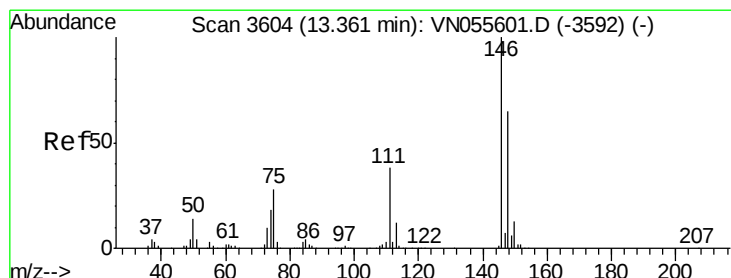
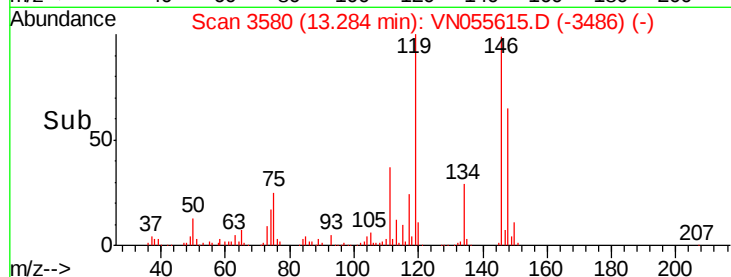
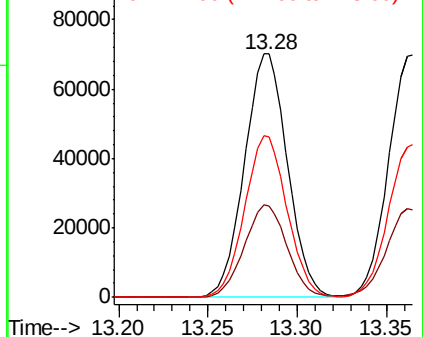
146 100

111 37.7 18.9 56.9

148 65.3 31.9 95.9



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: 18.986 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

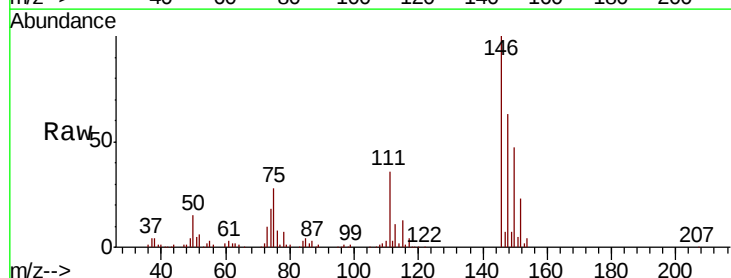
Tgt Ion:146 Resp: 115111

Ion Ratio Lower Upper

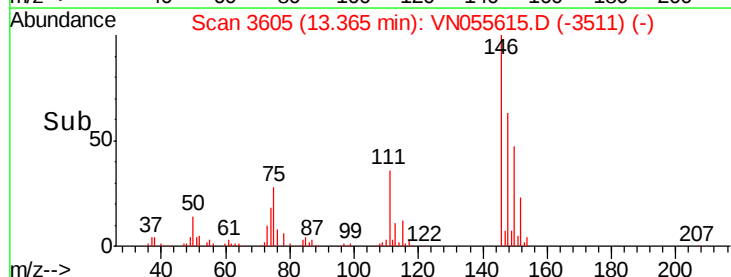
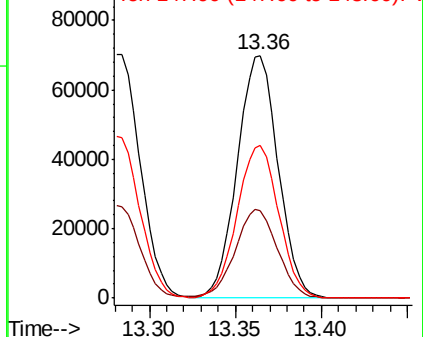
146 100

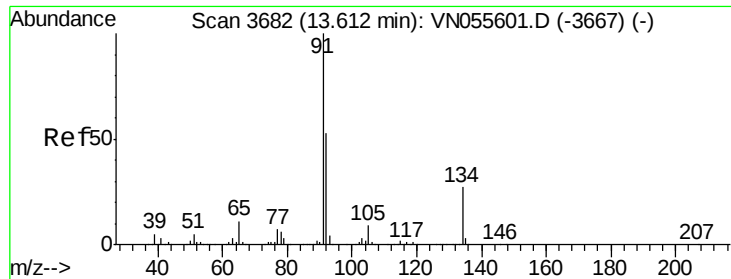
111 38.0 18.8 56.4

148 64.2 32.4 97.0



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





#89

n-Butylbenzene

Concen: 18.414 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

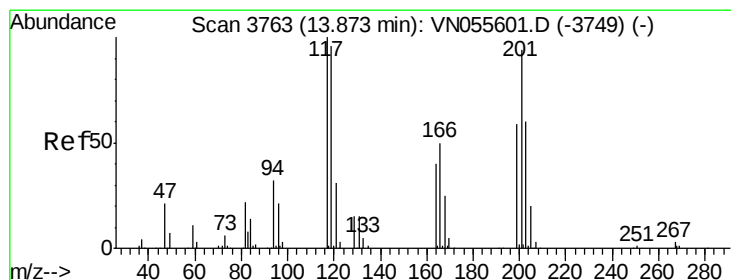
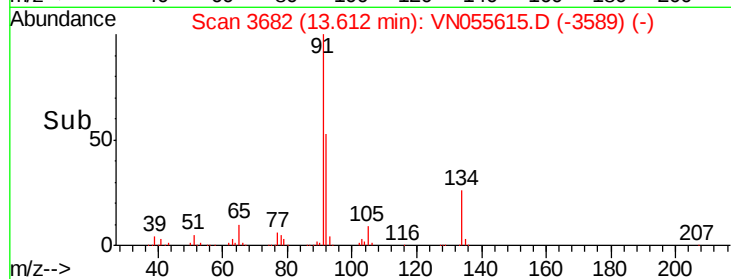
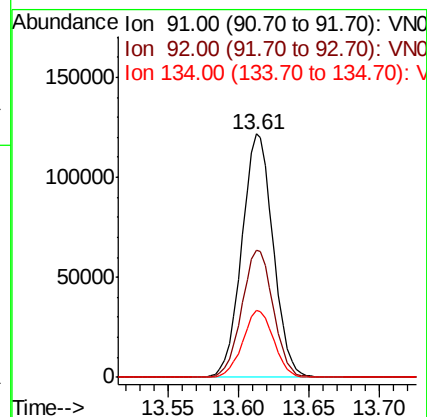
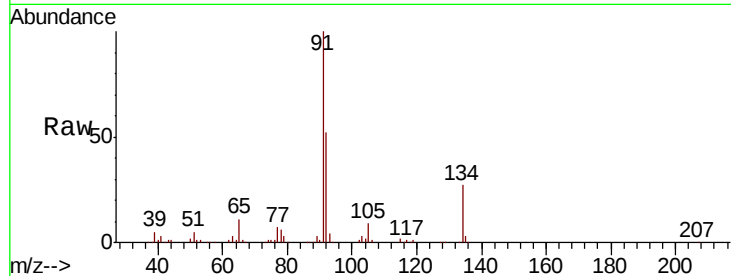
Tot Ion: 91 Resp: 188958

Ion Ratio Lower Upper

91 100

92 52.6 26.4 79.0

134 27.3 13.7 41.1



#90

Hexachloroethane

Concen: 19.838 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055615.D

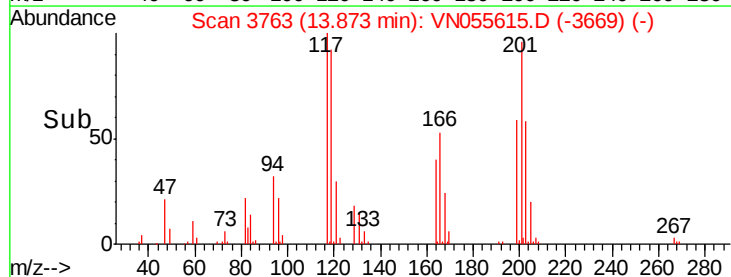
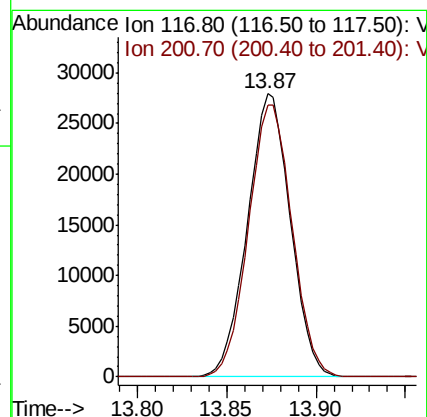
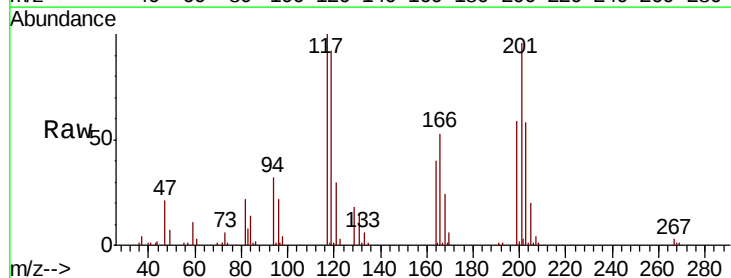
Acq: 17 May 2019 17:09

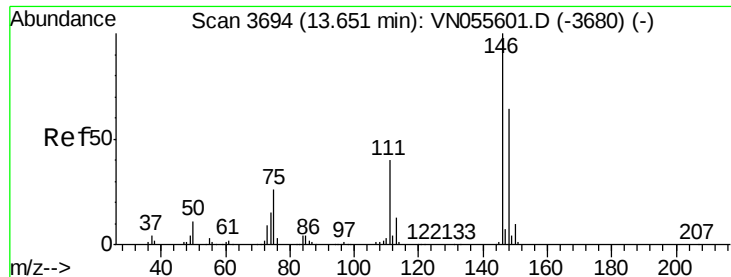
Tgt Ion: 117 Resp: 47015

Ion Ratio Lower Upper

117 100

201 97.5 47.1 141.3





#91

1,2-Dichlorobenzene

Concen: 18.697 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

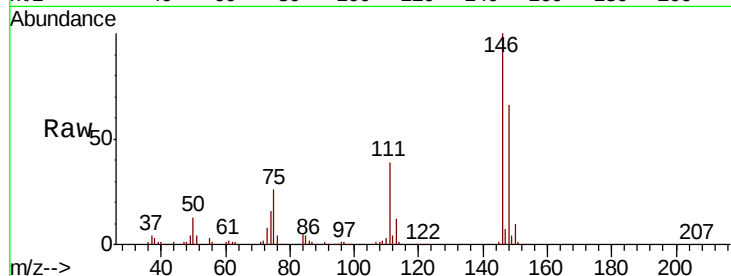
Tot Ion:146 Resp: 118354

Ion Ratio Lower Upper

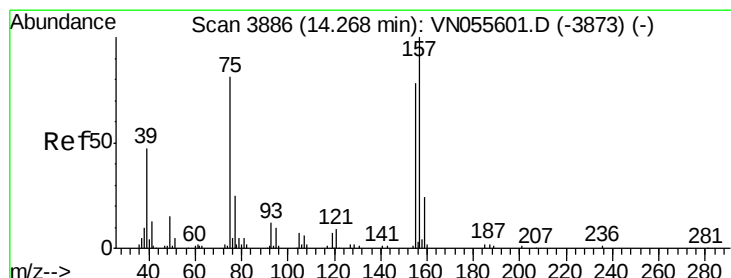
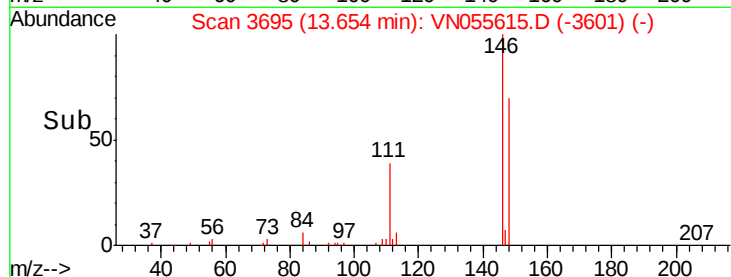
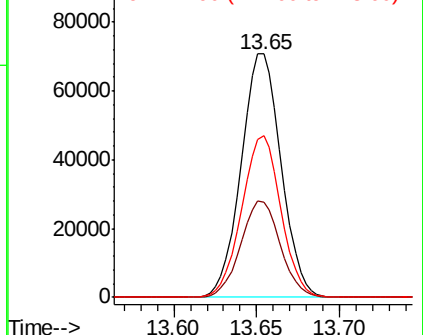
146 100

111 39.2 19.7 59.0

148 64.9 32.1 96.3



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: 20.584 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

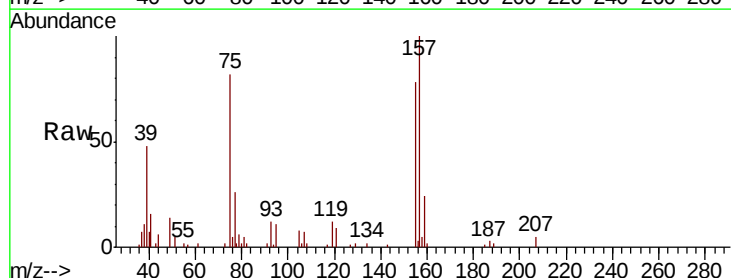
Tgt Ion: 75 Resp: 17469

Ion Ratio Lower Upper

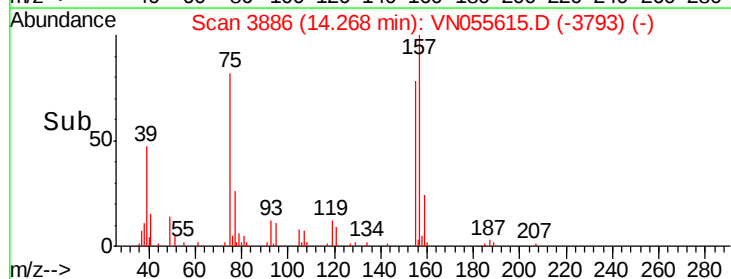
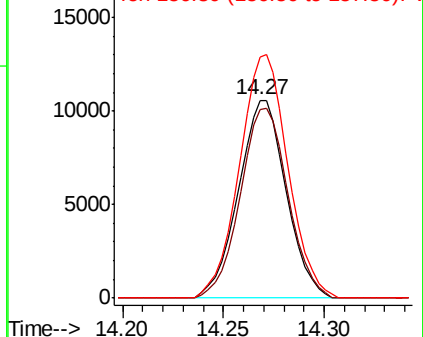
75 100

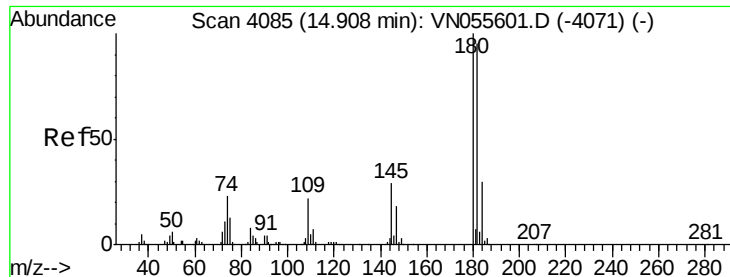
155 96.2 48.4 145.0

157 125.0 62.3 186.8



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

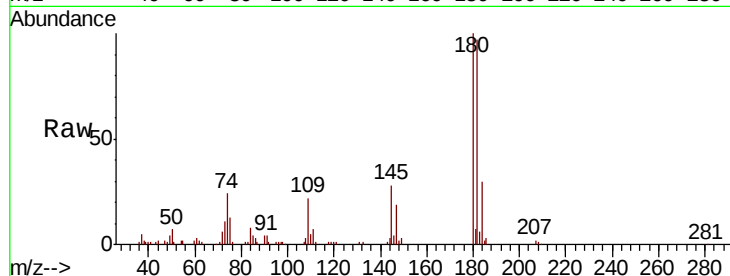




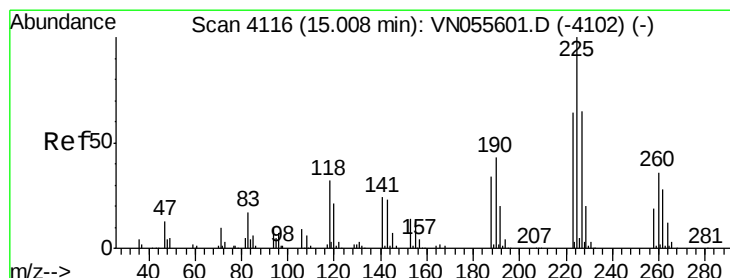
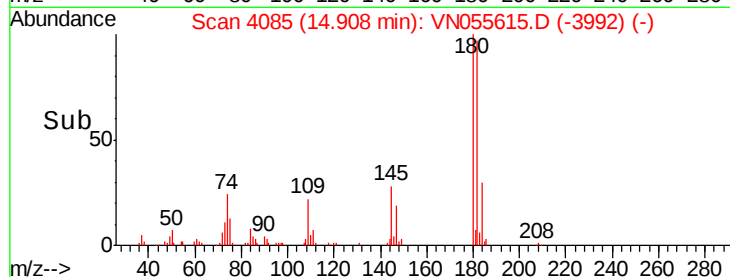
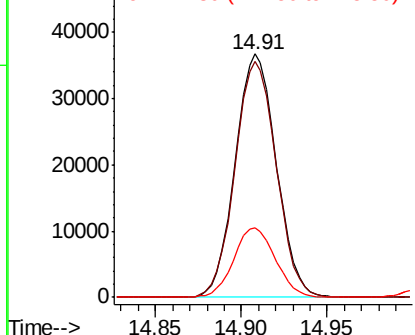
#93
 1,2,4-Trichlorobenzene
 Concen: 18.965 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.9	143.6
145	29.0	14.3	42.9

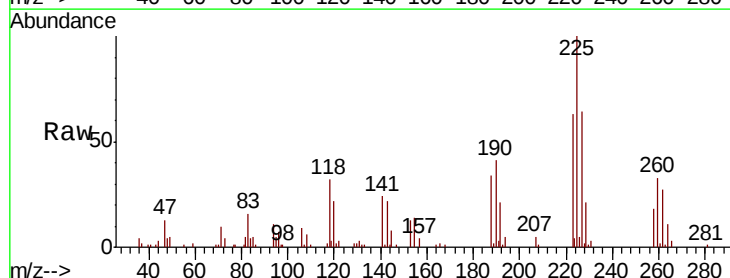


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

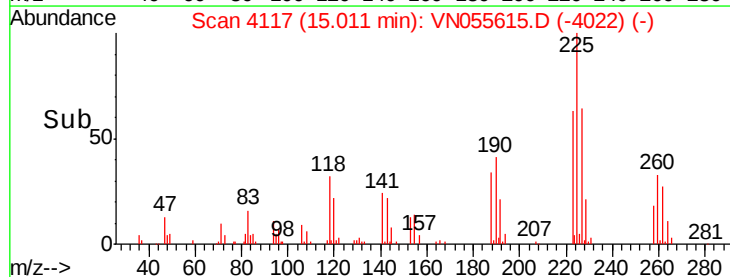
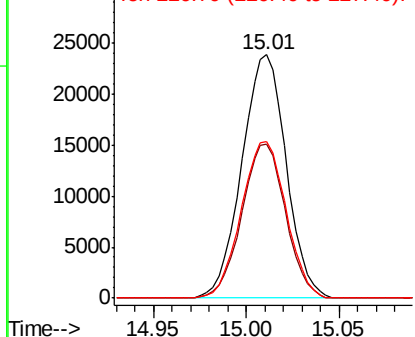


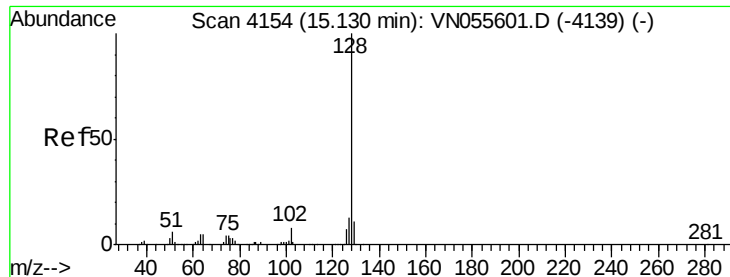
#94
 Hexachlorobutadiene
 Concen: 18.654 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055615.D
 Acq: 17 May 2019 17:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.6	94.7
227	65.0	32.4	97.0



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: 18.721 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

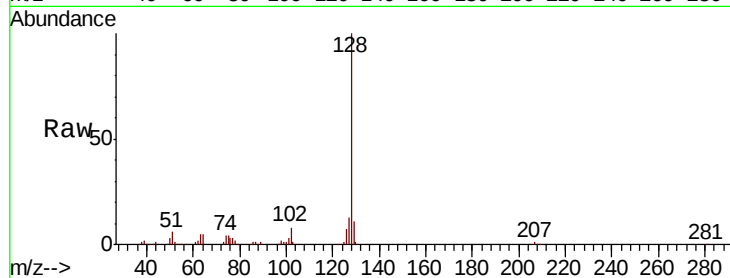
Tot Ion:128 Resp: 170923

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

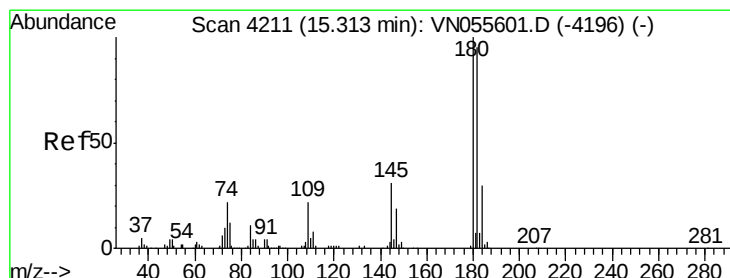
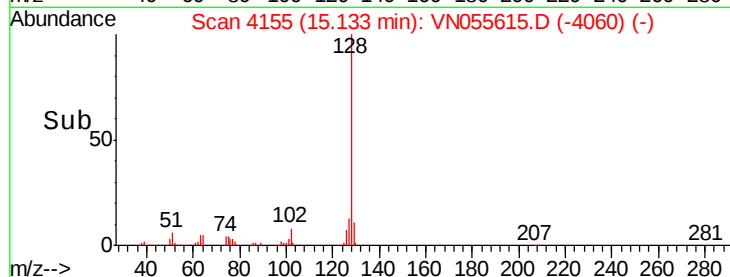
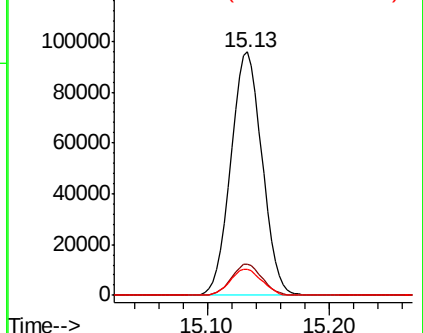
129 10.9 8.6 12.8



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: 19.369 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055615.D

Acq: 17 May 2019 17:09

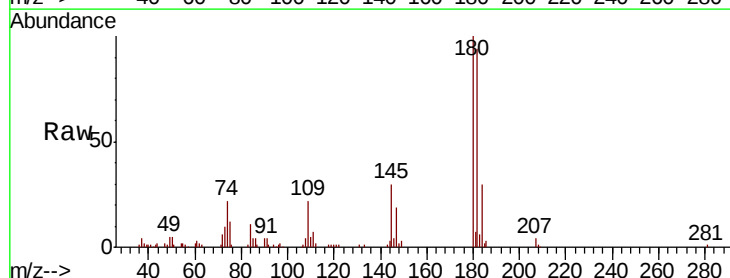
Tgt Ion:180 Resp: 65253

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.6

145 30.1 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

