

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055250.D
 Acq On : 25 Apr 2019 17:59
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 26 04:37:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 04:33:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	70086	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	365806	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	311453	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	164560	30.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.60%
60) 4-Bromofluorobenzene	12.40	95	130844	27.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.23%
63) Toluene-d8	10.09	98	463208	31.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	21935	5.453 ug/l	97
3) Chloromethane	2.06	50	30781	5.593 ug/l	98
4) Vinyl Chloride	2.19	62	23895	5.059 ug/l	99
5) Bromomethane	2.56	94	14544	5.335 ug/l	88
6) Chloroethane	2.70	64	13906	5.267 ug/l	97
7) Trichlorofluoromethane	3.01	101	35778	5.805 ug/l	91
8) Diethyl Ether	3.41	74	13693	6.584 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	22188	6.363 ug/l	86
10) 1,1-Dichloroethene	3.74	96	20456	6.324 ug/l	95
11) Methyl Iodide	3.95	142	29974	6.059 ug/l	96
12) Methyl Acetate	4.33	43	28174	6.717 ug/l	91
13) Acrolein	3.61	56	7857	24.875 ug/l	86
14) Acrylonitrile	5.00	53	47463	28.460 ug/l	98
15) Acetone	3.82	58	12332	30.999 ug/l	87
16) Carbon Disulfide	4.06	76	55198	5.294 ug/l	96
17) Allyl chloride	4.33	41	41442	5.382 ug/l	98
18) Methylene Chloride	4.55	84	26584	5.724 ug/l	95
20) Diisopropyl ether	5.96	45	83602	5.268 ug/l	91
21) 1,1-Dichloroethane	5.85	63	45953	5.480 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	26112	5.546 ug/l	94
23) tert-Butyl Alcohol	4.79	59	6794	24.324 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	63698	5.868 ug/l #	80
25) Chloroform	7.37	83	42420	5.308 ug/l	94
26) Cyclohexane	7.65	56	40076	5.248 ug/l #	99
29) 1,1-Dichloropropene	7.79	75	30935	5.387 ug/l	98
30) 2-Butanone	6.84	43	59383	29.698 ug/l #	94
31) 2,2-Dichloropropane	6.83	77	29414	5.495 ug/l #	86
32) 1,1,1-Trichloroethane	7.57	97	34969	5.676 ug/l	100
33) Carbon Tetrachloride	7.77	117	29133	5.517 ug/l	97
34) Benzene	8.04	78	94645	5.531 ug/l #	68
35) Methacrylonitrile	7.17	41	11986	4.975 ug/l	96
36) 1,2-Dichloroethane	8.12	62	34862	5.906 ug/l	98
37) Trichloroethene	8.84	130	24799	5.719 ug/l	96
38) Methylcyclohexane	9.08	83	33635	5.144 ug/l	97
39) 1,2-Dichloropropane	9.12	63	26770	5.607 ug/l	96
40) Dibromomethane	9.21	93	16300	6.007 ug/l	98
41) Bromodichloromethane	9.40	83	31693	5.695 ug/l	93

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 26 04:37:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 04:33:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.90	43	288956	28.844	ug/l	100
43) Ethyl Acetate	6.94	43	23238	5.552	ug/l #	82
44) Isopropyl Acetate	8.17	43	47693	6.625	ug/l	97
45) 1,4-Dioxane	9.20	88	4472	114.973	ug/l #	83
46) Methyl methacrylate	9.20	41	19519	5.367	ug/l	98
47) n-amyl Acetate	12.07	43	26814	5.197	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	26990	5.160	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	33159	5.230	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	21085	5.706	ug/l	98
51) Ethyl methacrylate	10.43	69	27413	6.053	ug/l	94
52) 1,3-Dichloropropane	10.71	76	37683	5.833	ug/l	97
53) Dibromochloromethane	10.90	129	20213	5.311	ug/l	100
54) 1,2-Dibromoethane	11.00	107	19630	5.614	ug/l	94
55) 2-Chloroethyl vinyl ether	9.69	63	31658	18.116	ug/l	97
56) Bromoform	12.13	173	12072	4.954	ug/l #	95
58) 4-Methyl-2-Pentanone	9.99	43	125669	32.190	ug/l	99
59) 2-Hexanone	10.75	43	80756	32.779	ug/l	96
61) Tetrachloroethene	10.63	164	23184	5.670	ug/l	94
62) Toluene	10.16	91	98905	5.701	ug/l	98
64) Chlorobenzene	11.43	112	54500	5.234	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	20988	5.589	ug/l	96
66) Ethyl Benzene	11.51	91	100618	5.428	ug/l	98
67) m/p-Xylenes	11.62	106	69930	10.169	ug/l	97
68) o-Xylene	11.95	106	34743	5.075	ug/l	94
69) Styrene	11.96	104	51510	4.883	ug/l	99
70) Isopropylbenzene	12.25	105	91236	5.020	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	27004	6.245	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	31052	8.708	ug/l	60
73) Bromobenzene	12.53	156	21298	4.965	ug/l	96
74) n-propylbenzene	12.59	91	96473	4.765	ug/l	100
75) 2-Chlorotoluene	12.67	91	61474	5.009	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	74384	5.076	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	5238	5.689	ug/l	95
78) 4-Chlorotoluene	12.77	91	51987	4.441	ug/l	99
79) tert-butylbenzene	12.99	119	64535	5.077	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	65251	4.514	ug/l	99
81) sec-Butylbenzene	13.17	105	83133	4.918	ug/l	95
82) p-Isopropyltoluene	13.29	119	65683	4.631	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	29803	4.192	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	25170	3.724	ug/l	97
85) n-Butylbenzene	13.61	91	38799	3.474	ug/l	98
86) Hexachloroethane	13.87	117	11098	4.813	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	31158	4.450	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.26	75	3480	5.985	ug/l #	81
89) 1,2,4-Trichlorobenzene	14.91	180	7515	2.458	ug/l	98
90) Hexachlorobutadiene	15.01	225	11683	5.148	ug/l	91
91) Naphthalene	15.13	128	18176	2.786	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	8679	2.820	ug/l	96

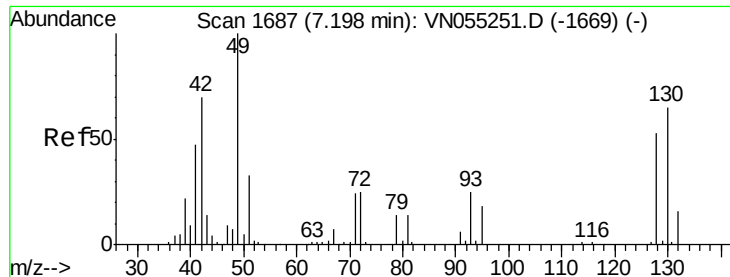
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
Data File : VN055250.D
Acq On : 25 Apr 2019 17:59
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Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 26 04:33:00 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

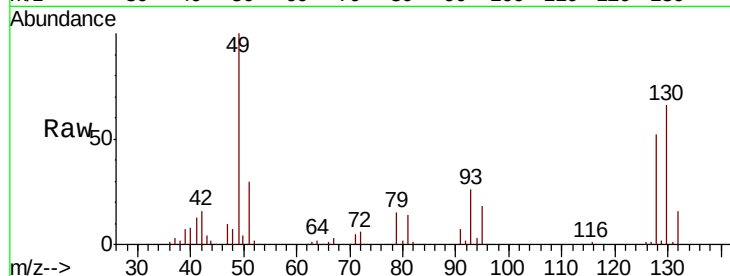
Tot Ion:128 Resp: 70086

Ion Ratio Lower Upper

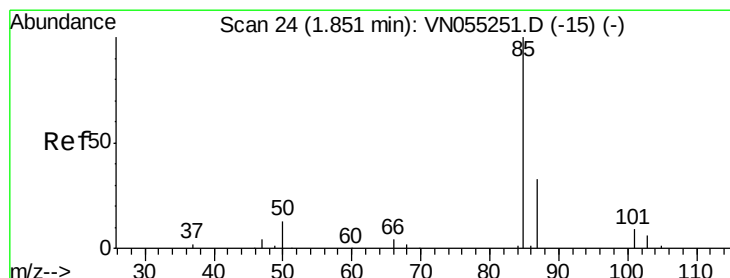
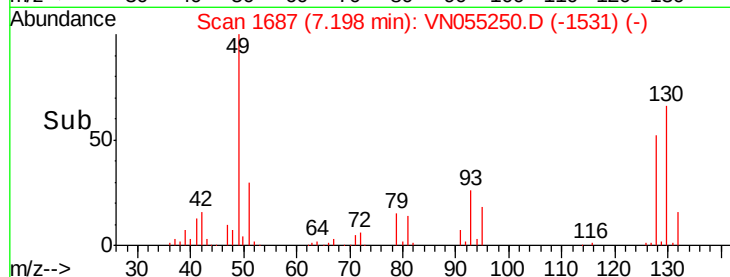
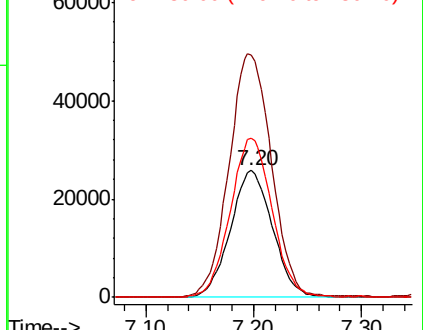
128 100

49 193.6 0.0 485.0

130 124.7 0.0 324.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 5.453 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055250.D

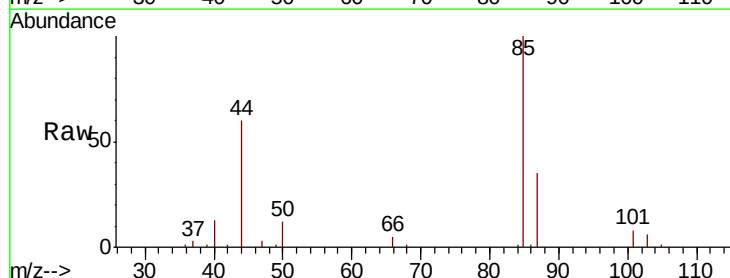
Acq: 25 Apr 2019 17:59

Tgt Ion: 85 Resp: 21935

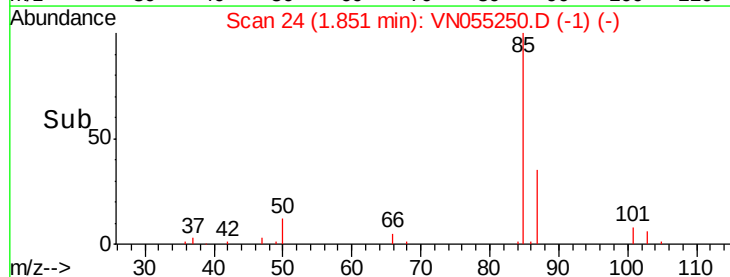
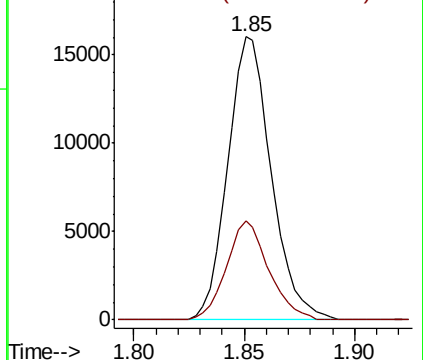
Ion Ratio Lower Upper

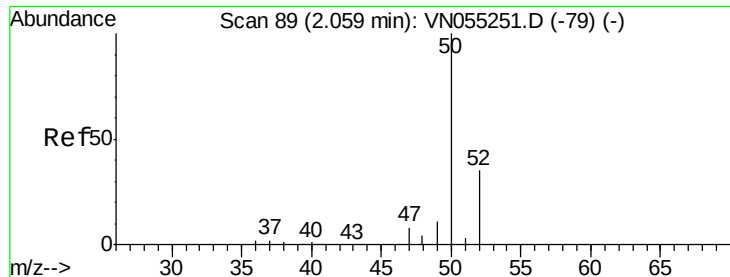
85 100

87 35.0 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 5.593 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

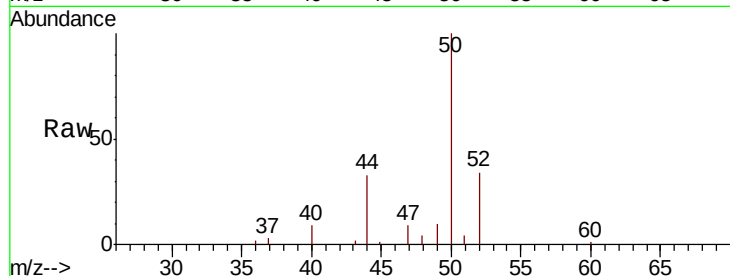
VSTDIC005

Tot Ion: 50 Resp: 30781

Ion Ratio Lower Upper

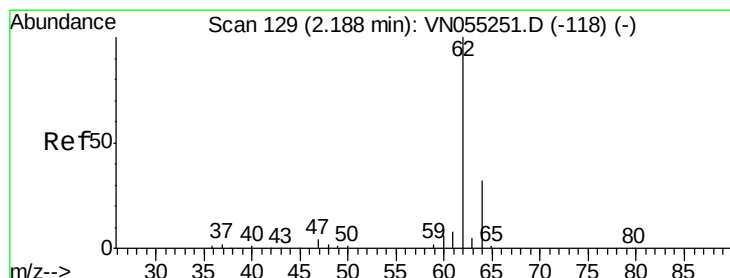
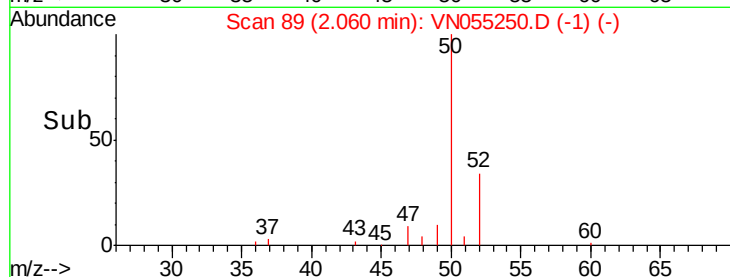
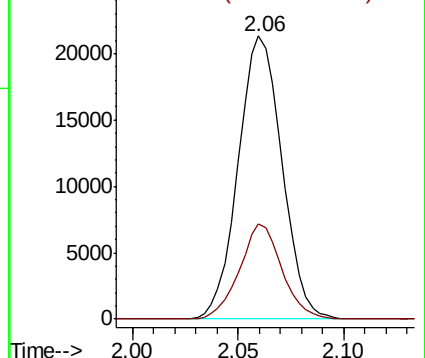
50 100

52 33.8 27.9 41.9



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 5.059 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055250.D

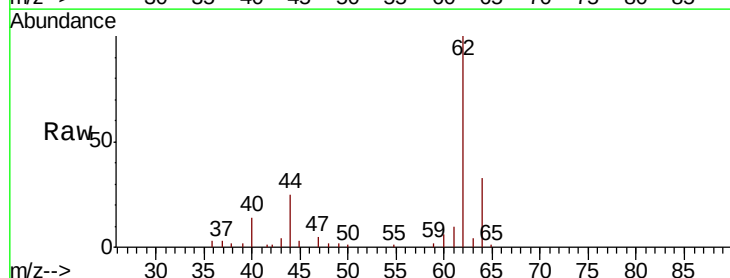
Acq: 25 Apr 2019 17:59

Tgt Ion: 62 Resp: 23895

Ion Ratio Lower Upper

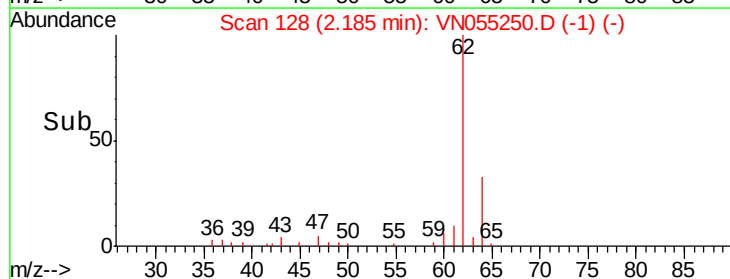
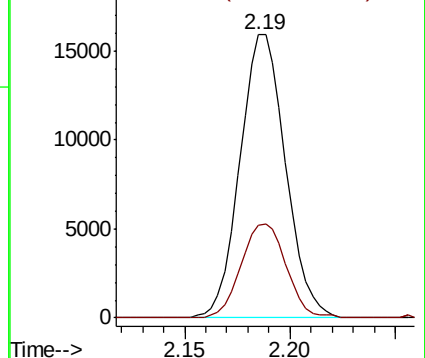
62 100

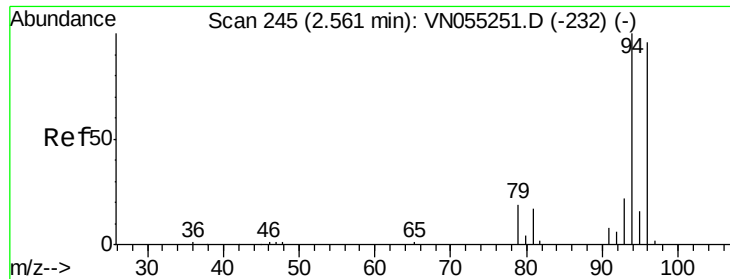
64 32.6 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 5.335 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

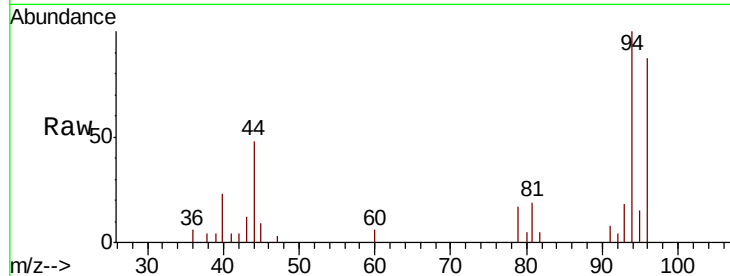
VSTDIC005

Tot Ion: 94 Resp: 14544

Ion Ratio Lower Upper

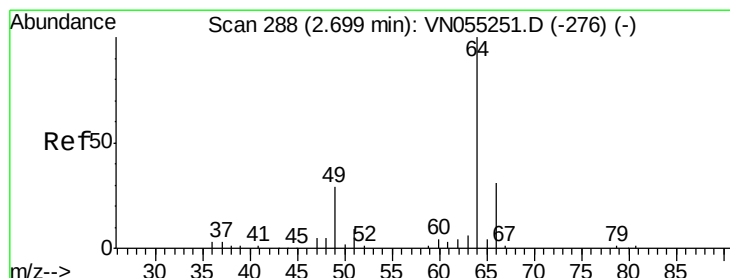
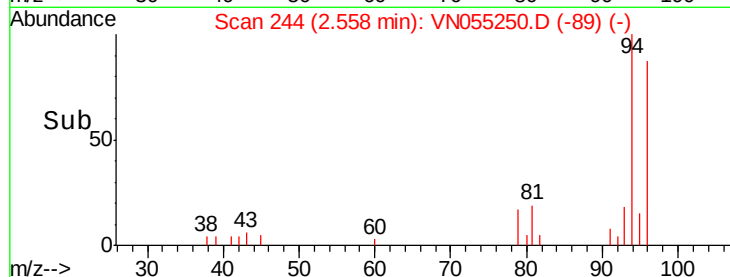
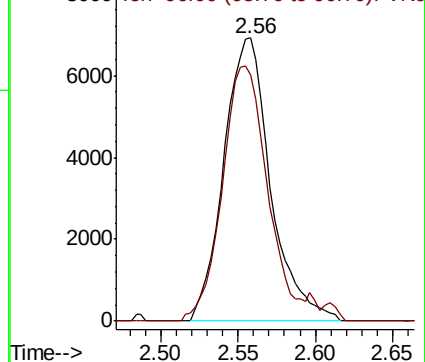
94 100

96 84.5 77.0 115.6



Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 5.267 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055250.D

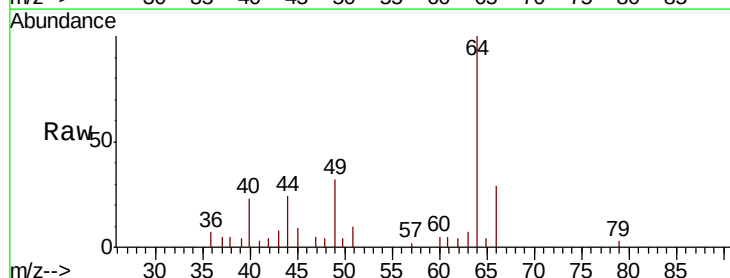
Acq: 25 Apr 2019 17:59

Tgt Ion: 64 Resp: 13906

Ion Ratio Lower Upper

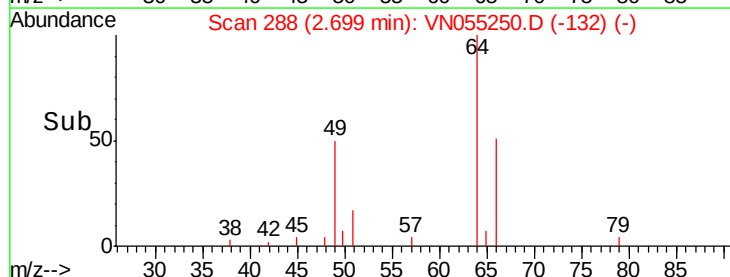
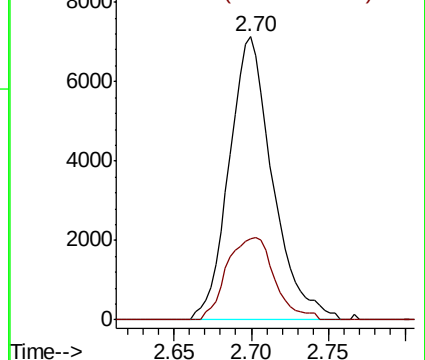
64 100

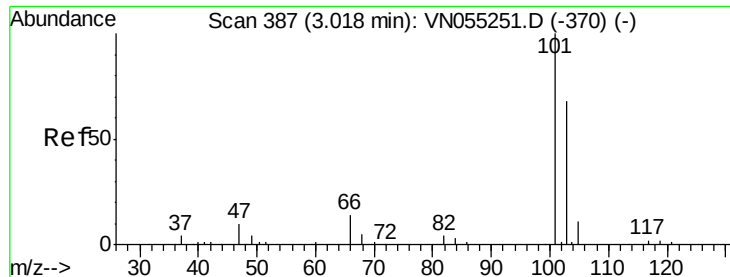
66 28.9 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO



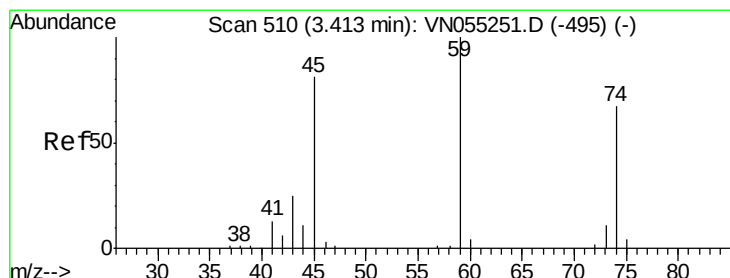
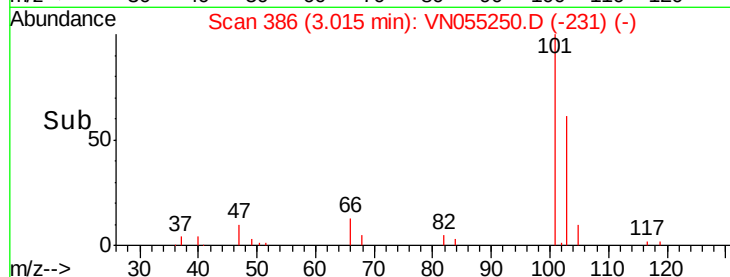
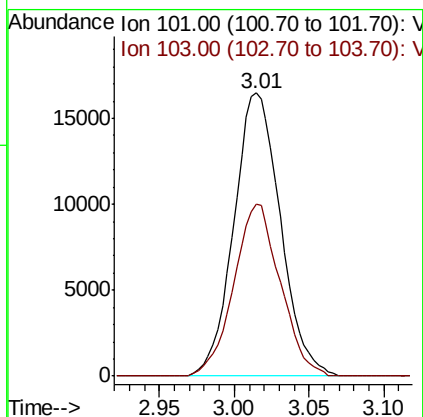
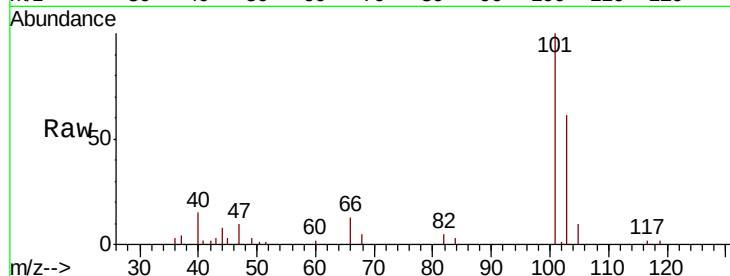


#7

Trichlorofluoromethane
 Concen: 5.805 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

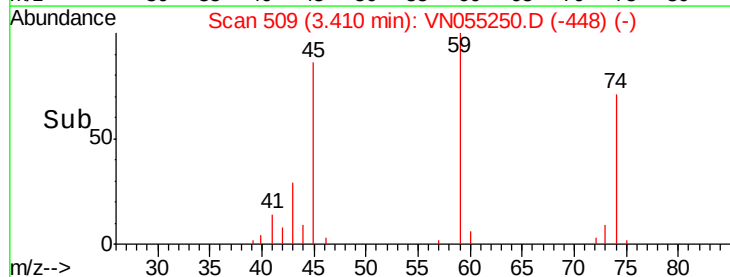
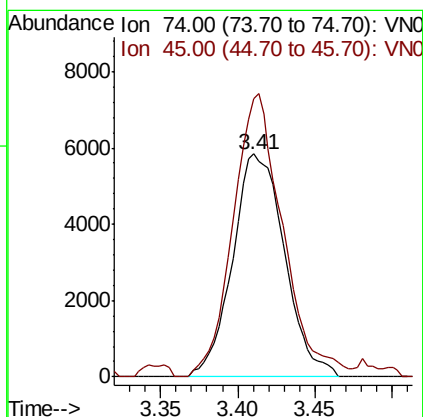
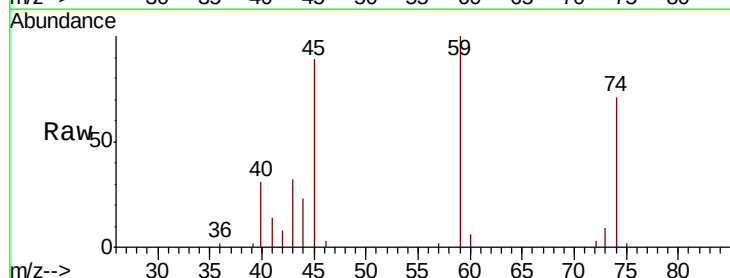
Tot Ion:101 Resp: 35778
 Ion Ratio Lower Upper
 101 100
 103 60.8 54.6 81.8

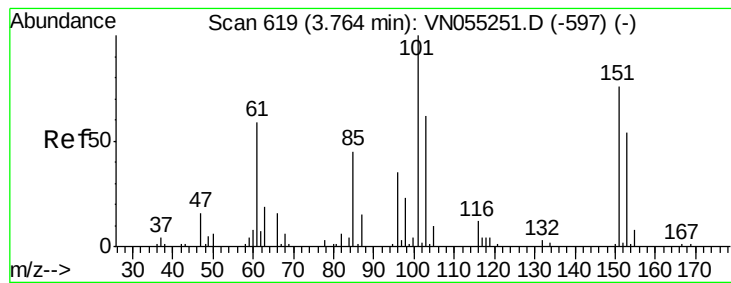


#8

Diethyl Ether
 Concen: 6.584 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion: 74 Resp: 13693
 Ion Ratio Lower Upper
 74 100
 45 121.4 25.1 225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.363 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

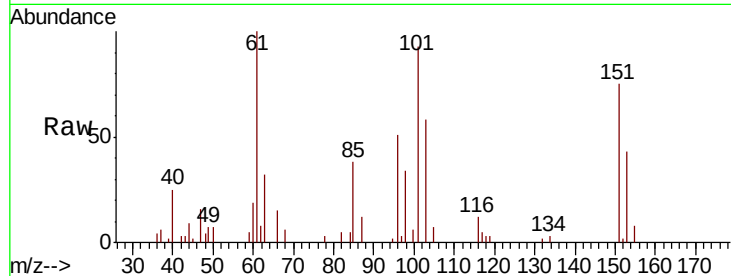
Tot Ion:101 Resp: 22188

Ion Ratio Lower Upper

101 100

85 22.2 0.0 89.0

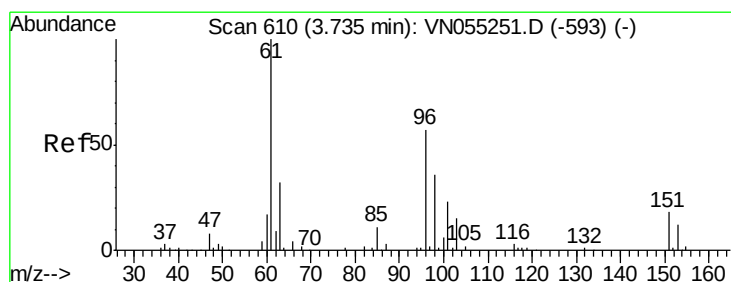
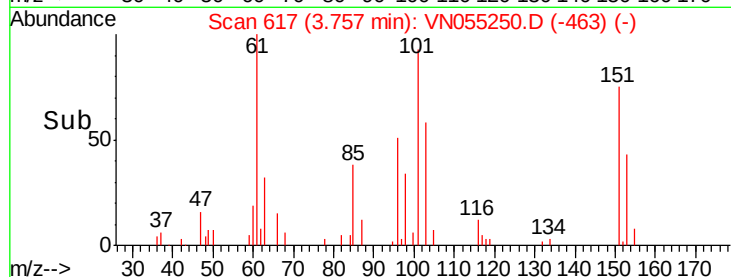
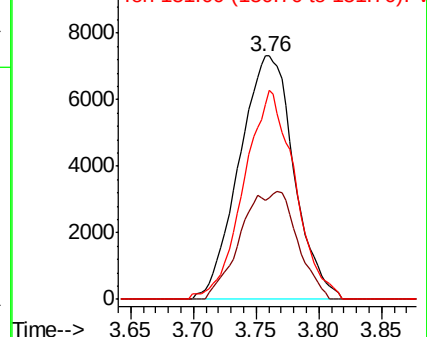
151 79.7 0.0 154.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 6.324 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

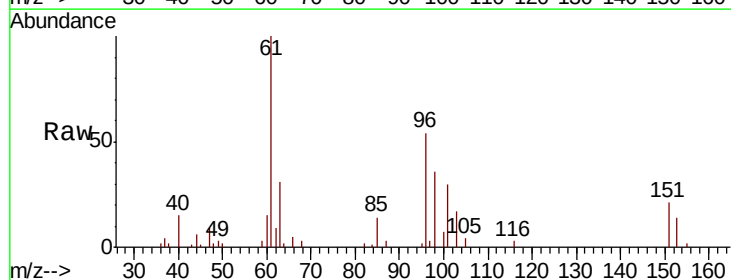
Tgt Ion: 96 Resp: 20456

Ion Ratio Lower Upper

96 100

61 181.8 139.9 209.9

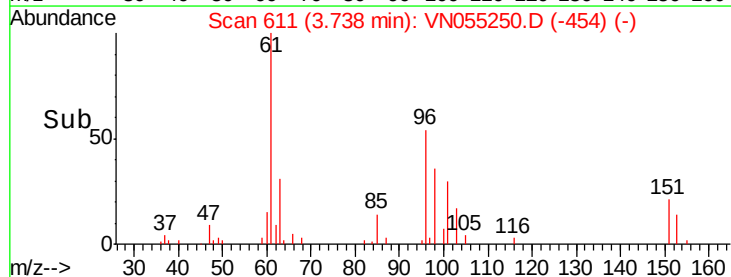
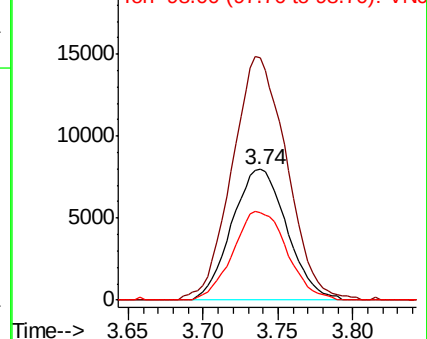
98 66.7 50.8 76.2

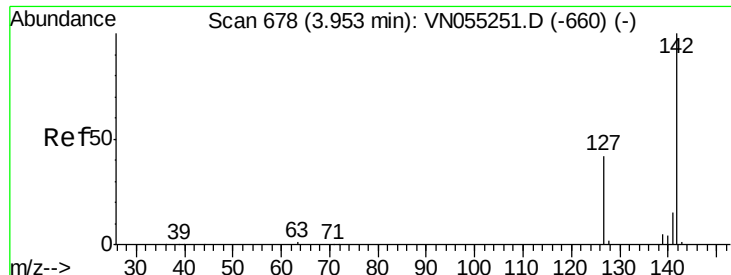


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

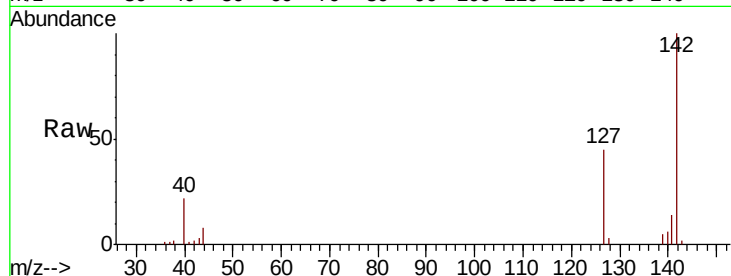




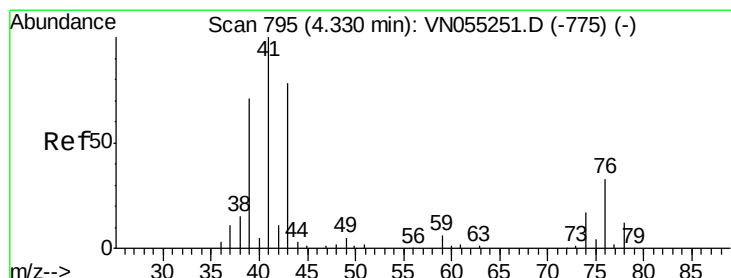
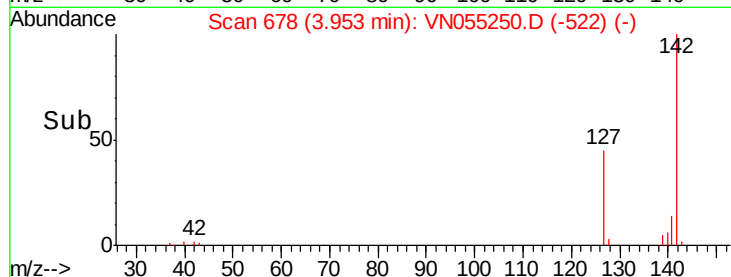
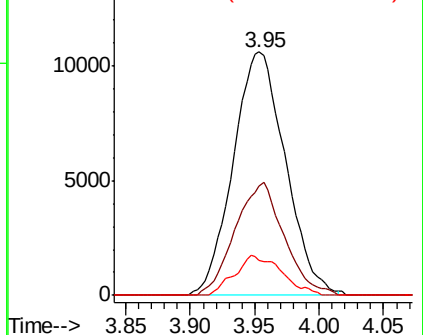
#11
Methyl Iodide
Concen: 6.059 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:142 Resp: 29974
Ion Ratio Lower Upper
142 100
127 45.2 20.9 62.7
141 14.6 7.6 22.8

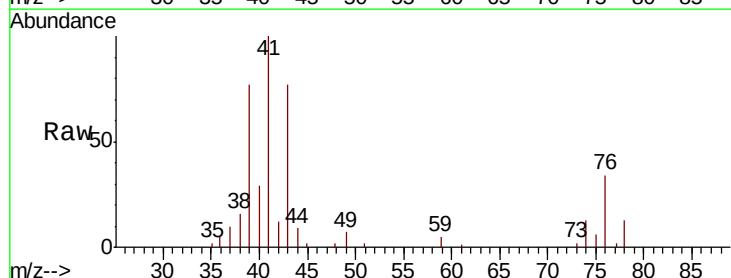


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

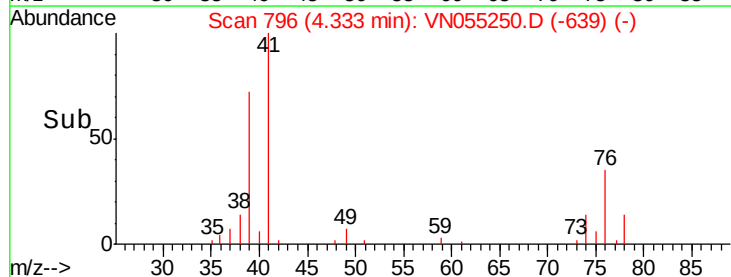
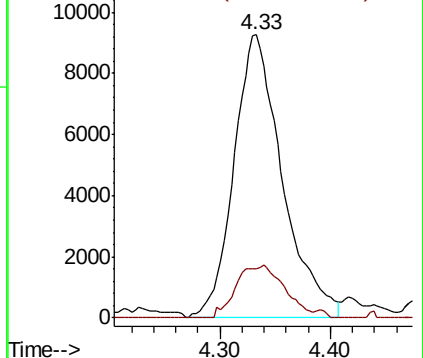


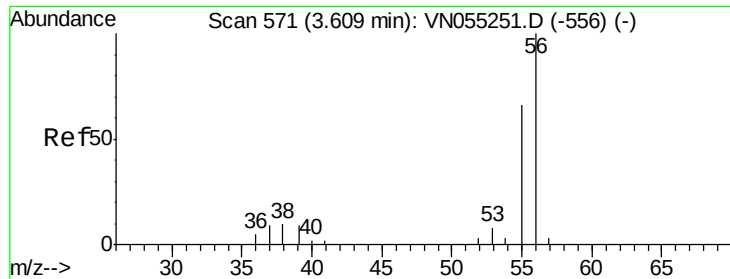
#12
Methyl Acetate
Concen: 6.717 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion: 43 Resp: 28174
Ion Ratio Lower Upper
43 100
74 17.7 17.7 26.5



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





#13

Acrolein

Concen: 24.875 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

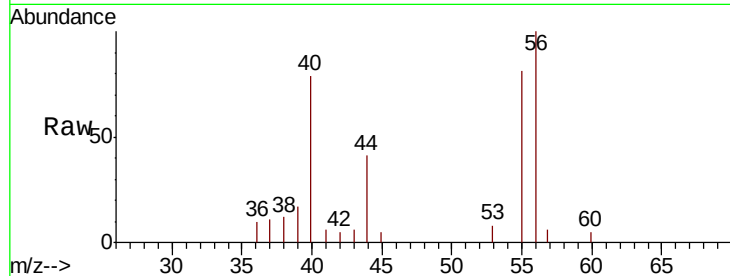
VSTDIC005

Tot Ion: 56 Resp: 7857

Ion Ratio Lower Upper

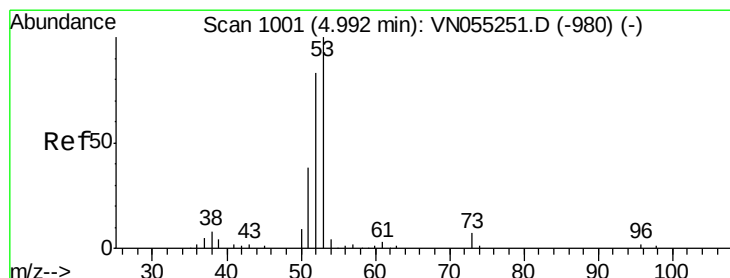
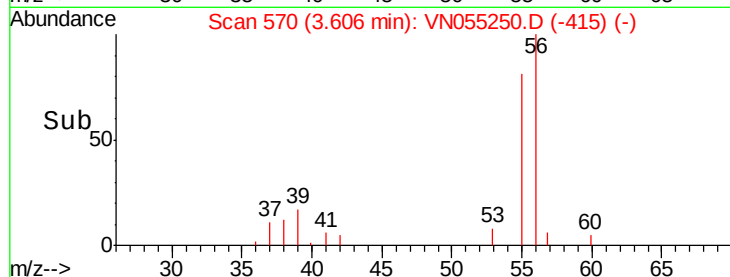
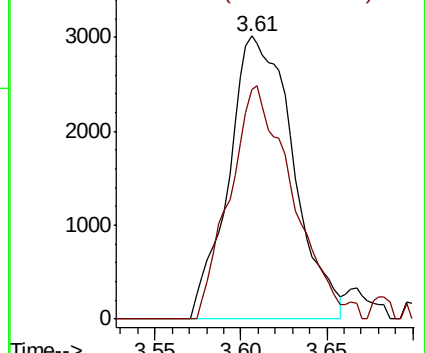
56 100

55 79.8 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 28.460 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

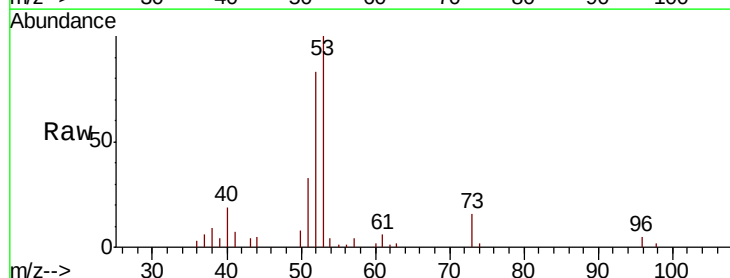
Tgt Ion: 53 Resp: 47463

Ion Ratio Lower Upper

53 100

52 85.1 41.0 123.2

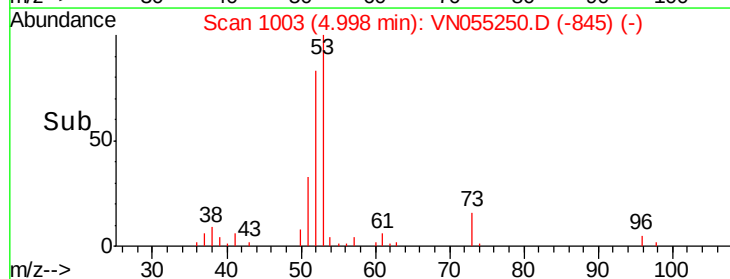
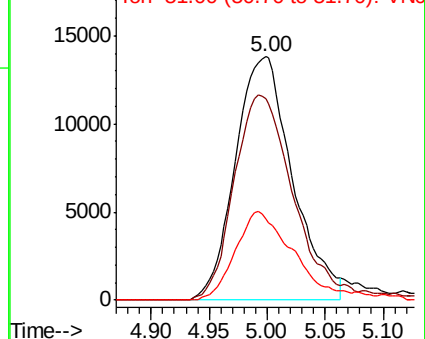
51 36.1 18.1 54.4

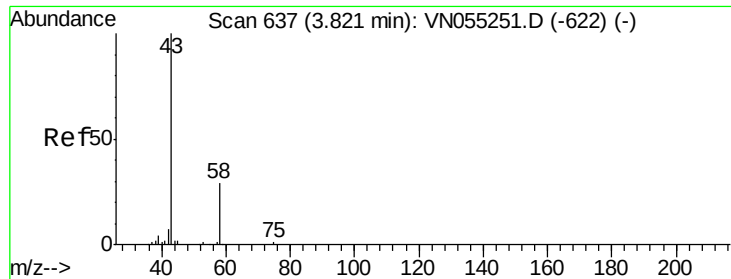


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 30.999 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

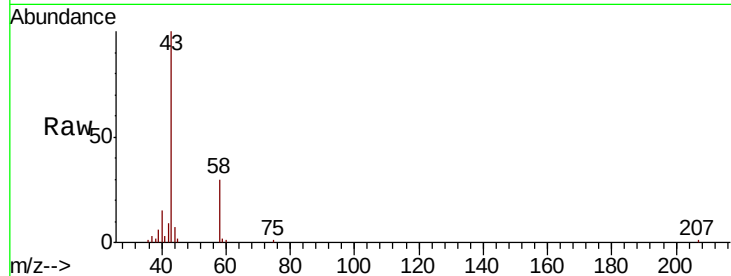
VSTDIC005

Tot Ion: 58 Resp: 12332

Ion Ratio Lower Upper

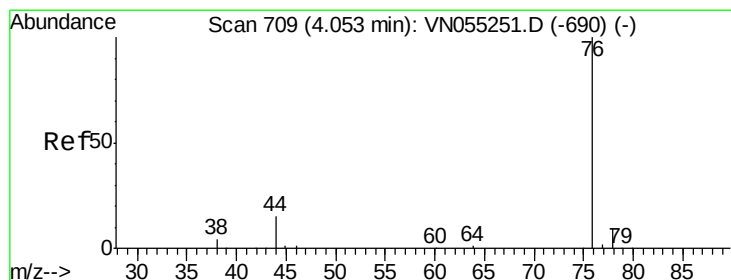
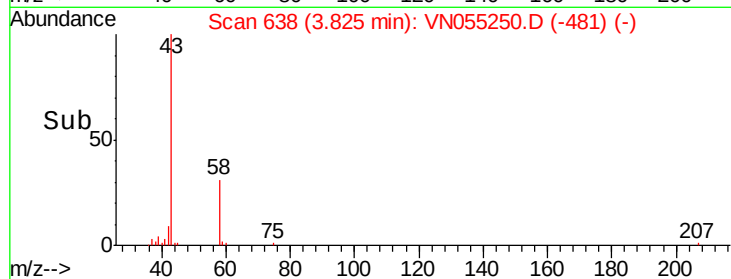
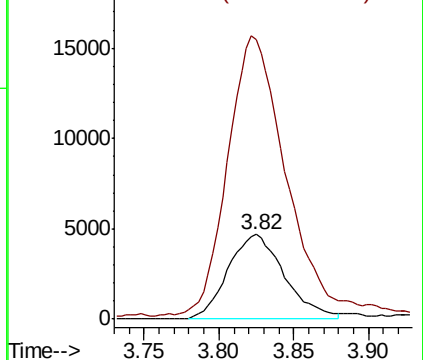
58 100

43 320.0 278.2 417.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 5.294 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055250.D

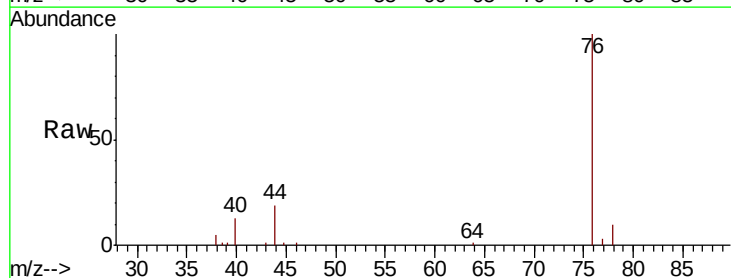
Acq: 25 Apr 2019 17:59

Tgt Ion: 76 Resp: 55198

Ion Ratio Lower Upper

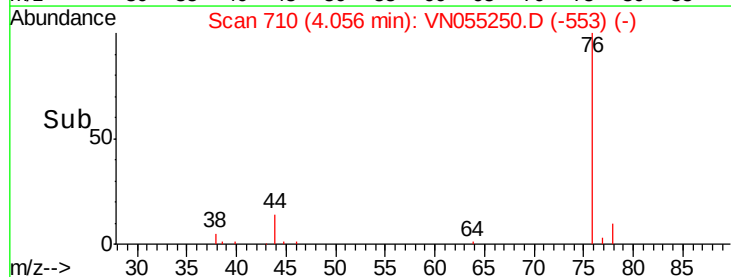
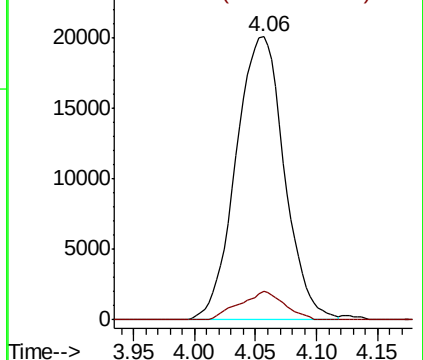
76 100

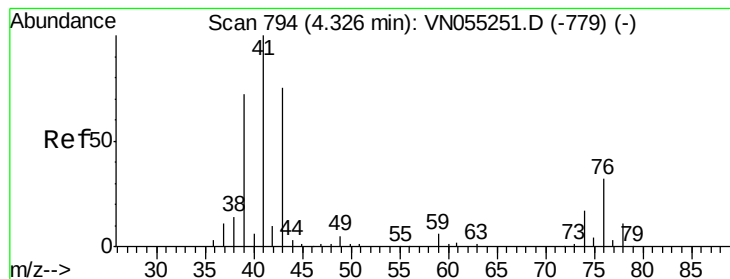
78 9.9 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

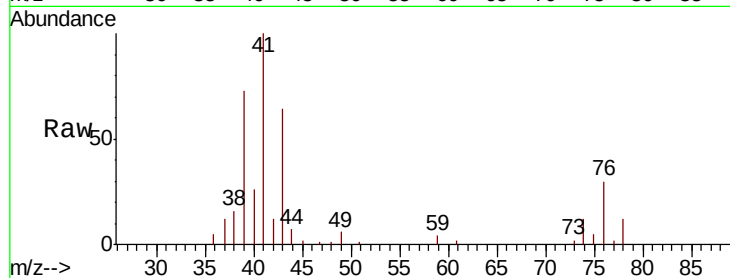




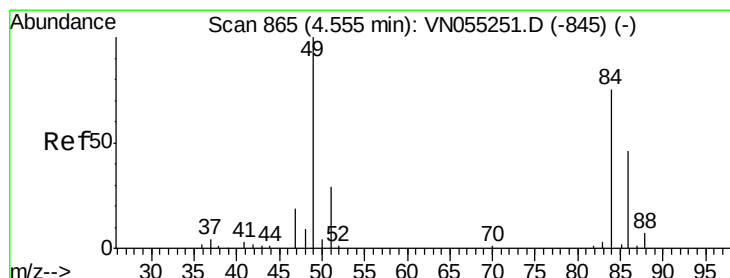
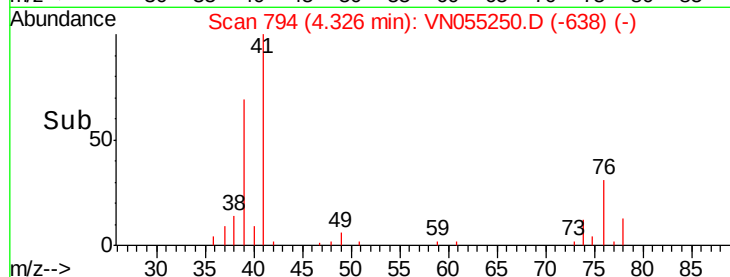
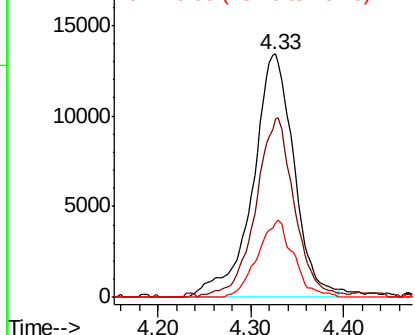
#17
Allvl chloride
Concen: 5.382 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 41 Resp: 41442
Ion Ratio Lower Upper
41 100
39 71.0 34.4 103.2
76 30.4 15.3 45.9

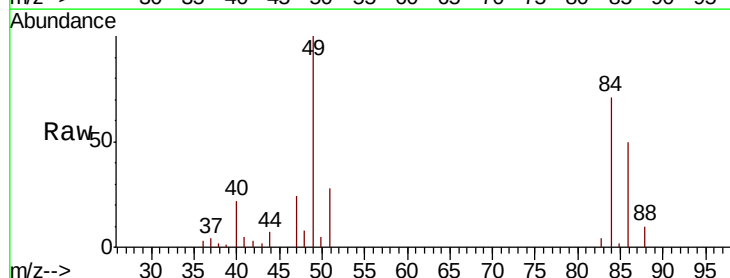


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO

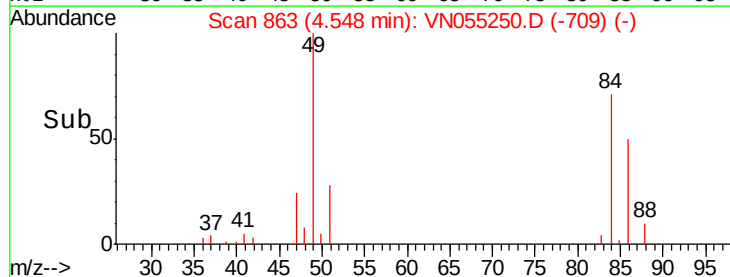
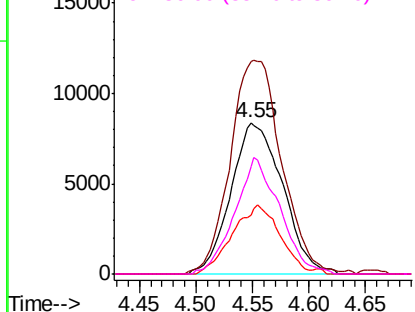


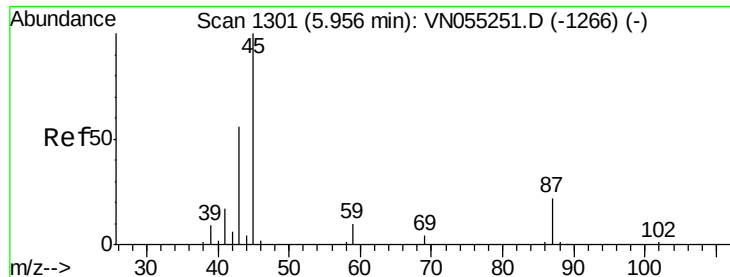
#18
Methylene Chloride
Concen: 5.724 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion: 84 Resp: 26584
Ion Ratio Lower Upper
84 100
49 138.1 107.2 160.8
51 39.2 31.4 47.2
86 70.5 49.4 74.0



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

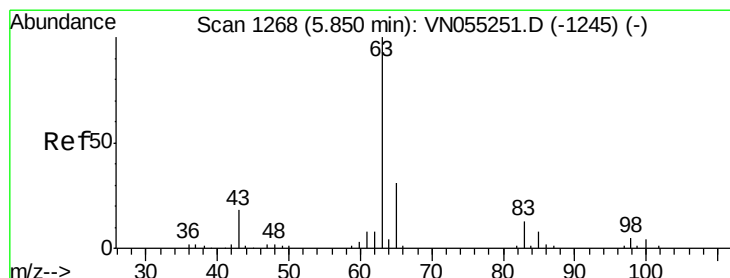
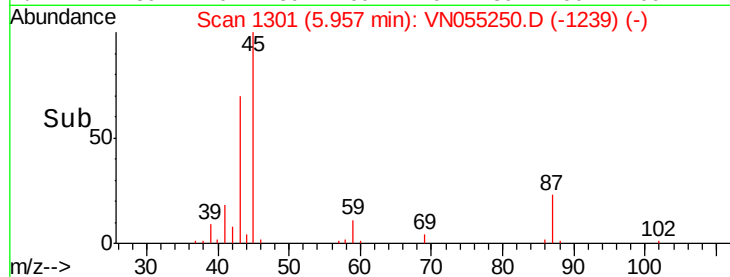
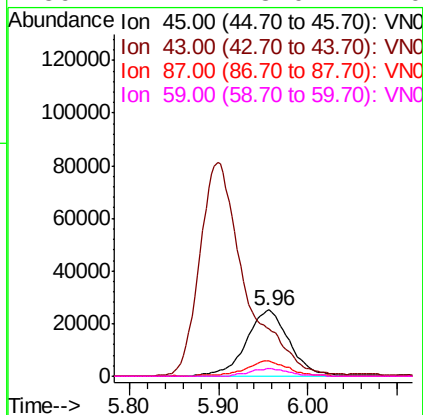
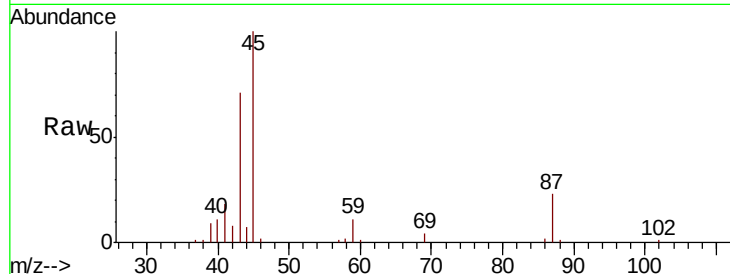




#20
Diisopropyl ether
Concen: 5.268 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

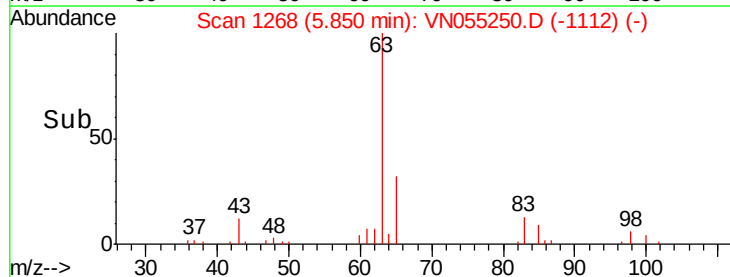
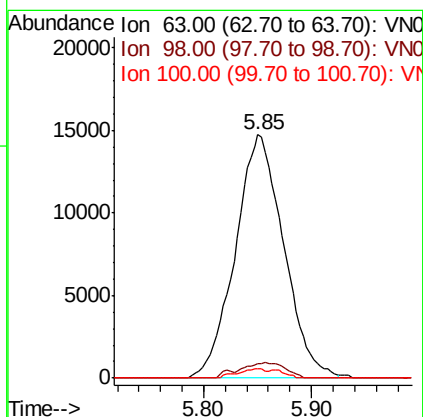
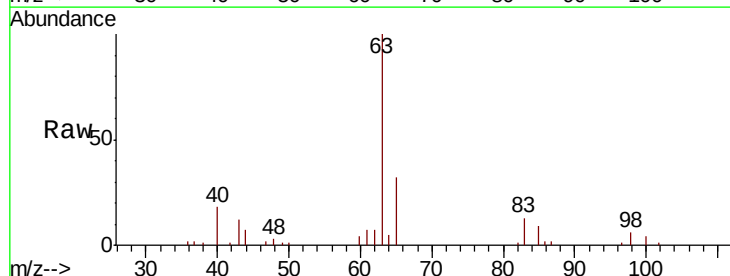
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

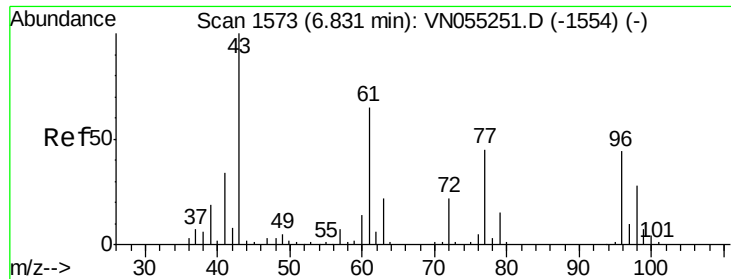
Tot Ion:	45	Resp:	83602
Ion	Ratio	Lower	Upper
45	100		
43	66.7	46.1	69.1
87	23.4	18.3	27.5
59	11.4	8.0	12.0



#21
1,1-Dichloroethane
Concen: 5.480 ug/l
RT: 5.85 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion:	63	Resp:	45953
Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.8	8.3
100	3.9	2.0	5.8





#22

cis-1,2-Dichloroethene

Concen: 5.546 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

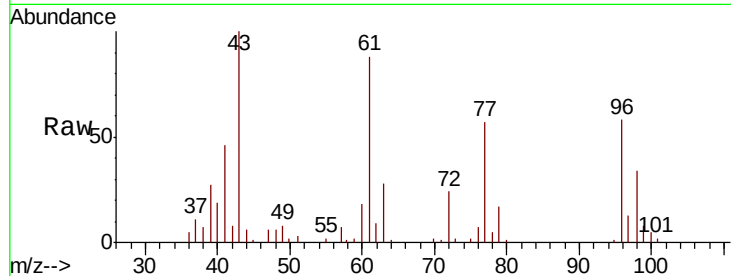
Tot Ion: 96 Resp: 26112

Ion Ratio Lower Upper

96 100

61 153.4 129.1 193.7

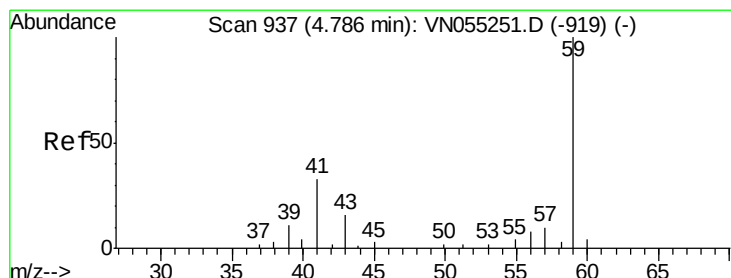
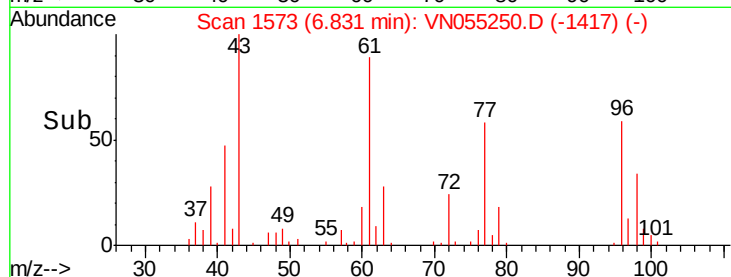
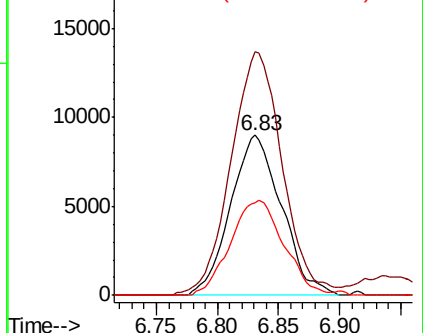
98 62.0 53.2 79.8



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#23

tert-Butyl Alcohol

Concen: 24.324 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.01 min

Lab File: VN055250.D

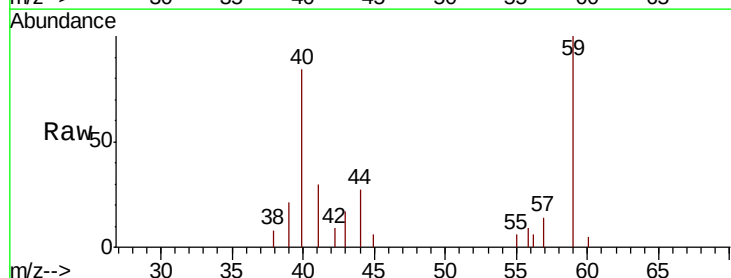
Acq: 25 Apr 2019 17:59

Tgt Ion: 59 Resp: 6794

Ion Ratio Lower Upper

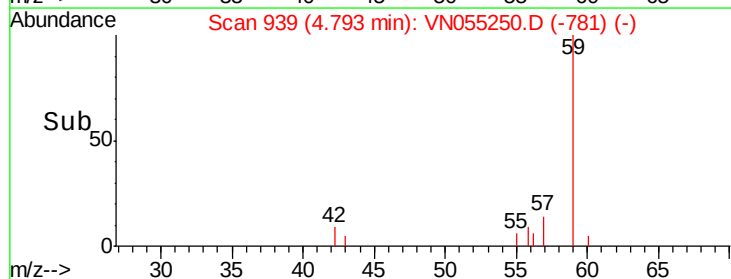
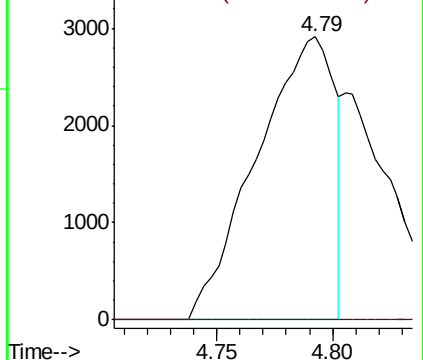
59 100

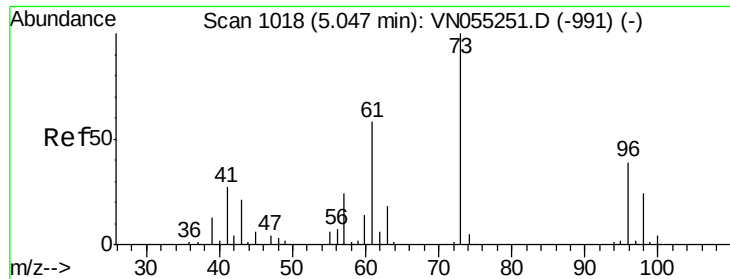
52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

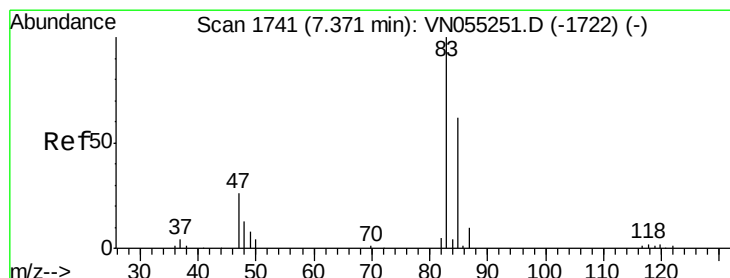
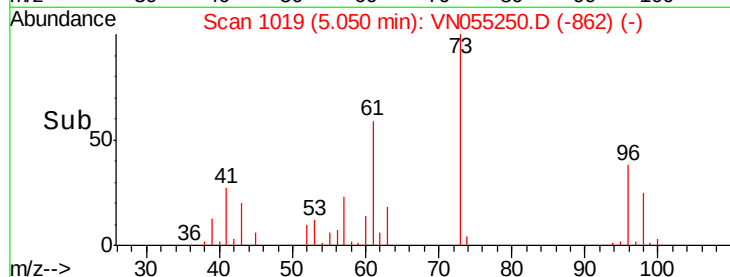
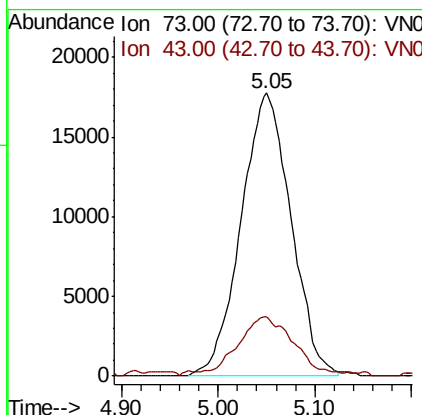
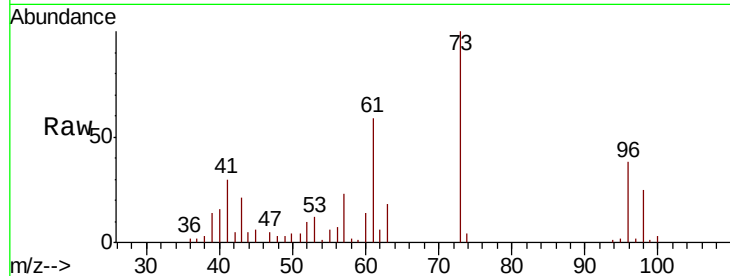




#24
Methyl tert-Butyl Ether
Concen: 5.868 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

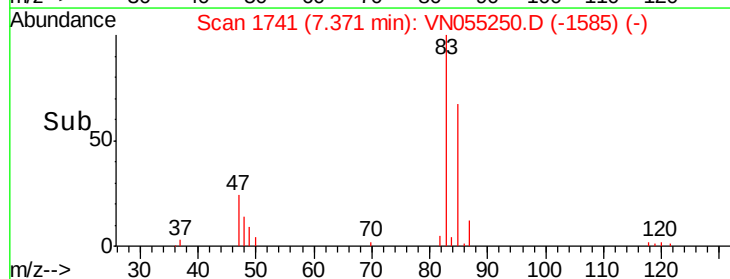
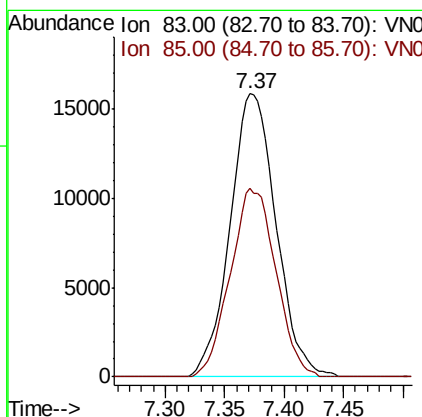
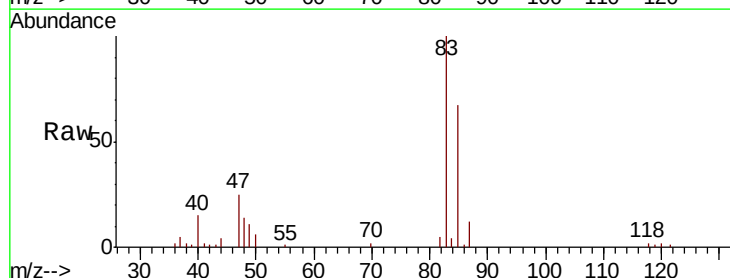
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

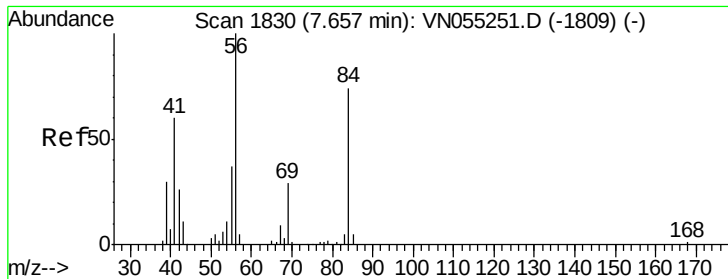
Tot Ion: 73 Resp: 63698
Ion Ratio Lower Upper
73 100
43 12.8 17.9 26.9#



#25
Chloroform
Concen: 5.308 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion: 83 Resp: 42420
Ion Ratio Lower Upper
83 100
85 66.7 49.7 74.5

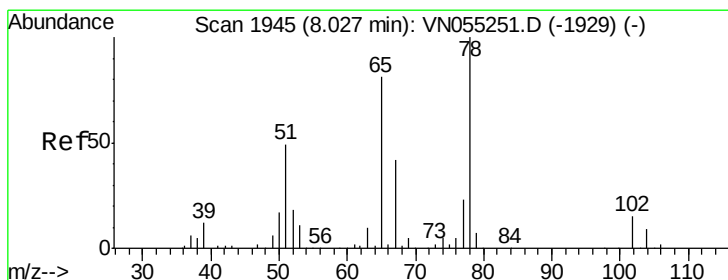
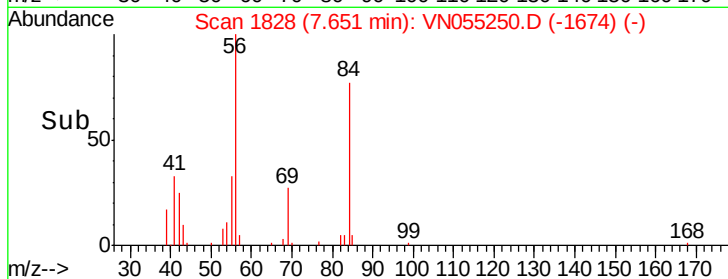
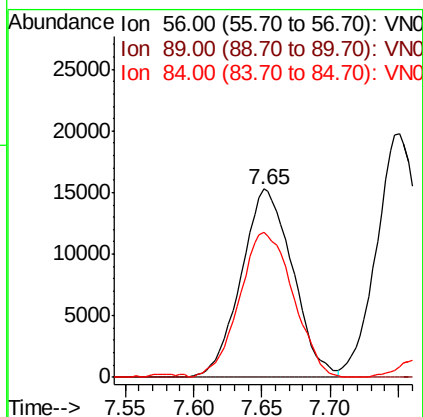
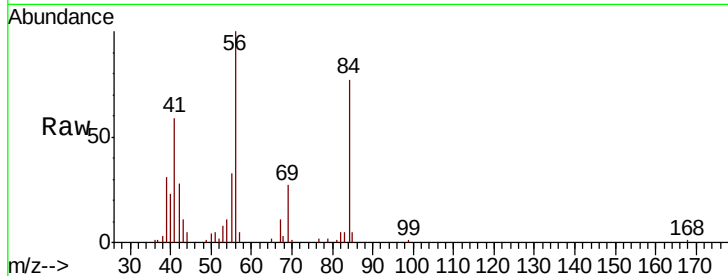




#26
Cyclohexane
Concen: 5.248 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.01 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

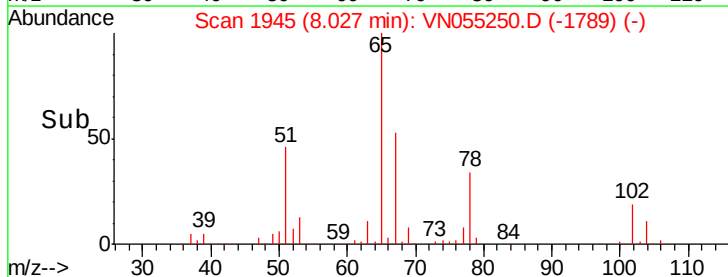
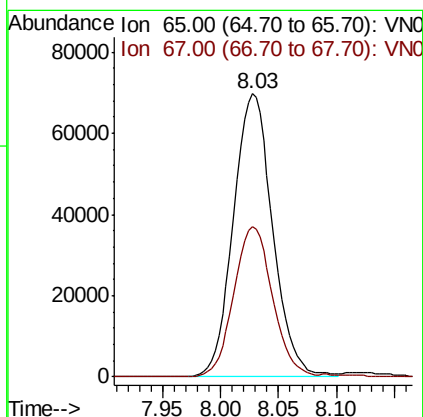
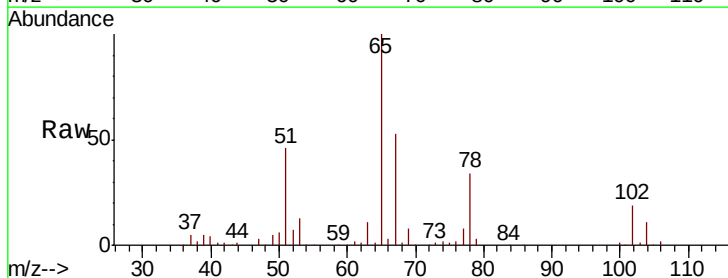
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

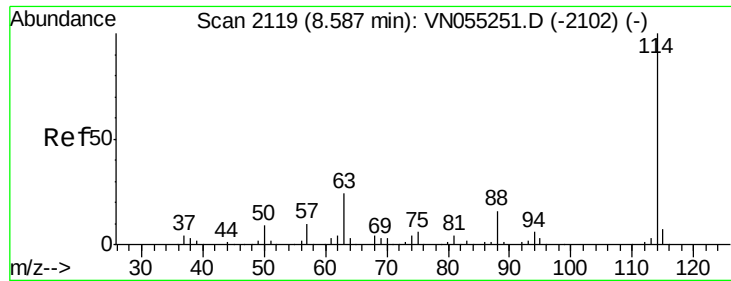
Tot Ion: 56 Resp: 40076
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 80.3 63.5 95.3



#27
1,2-Dichloroethane-d4
Concen: 5.248 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion: 65 Resp: 164560
Ion Ratio Lower Upper
65 100
67 52.4 41.9 62.9

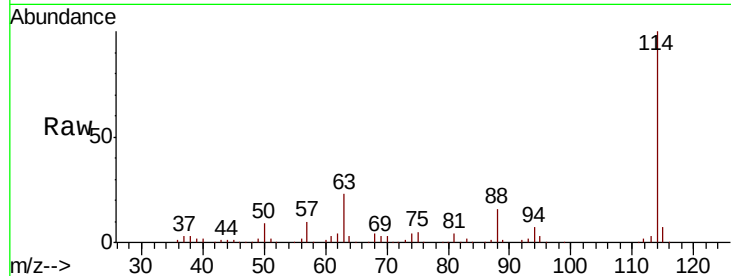




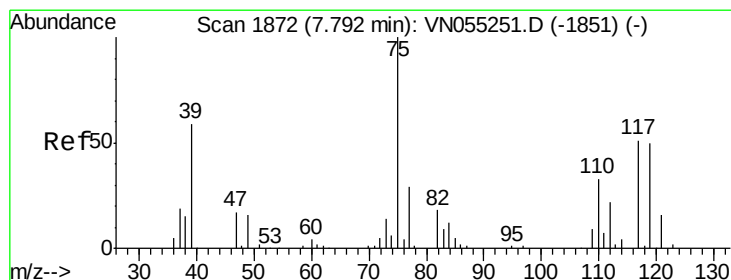
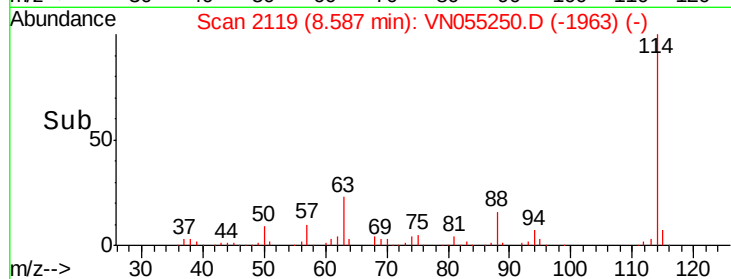
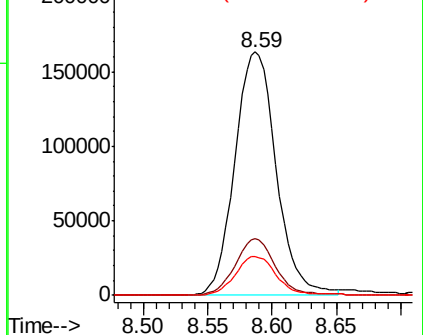
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:114 Resp: 365806
 Ion Ratio Lower Upper
 114 100
 63 22.5 18.2 27.2
 88 15.7 12.6 18.8

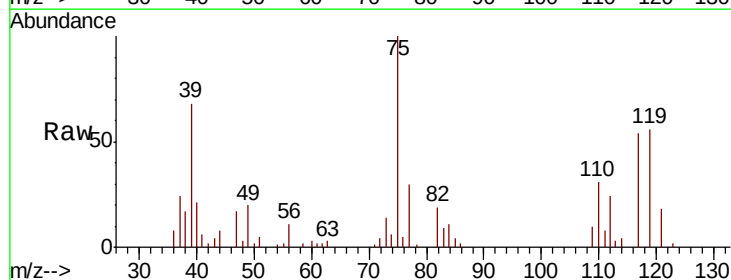


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

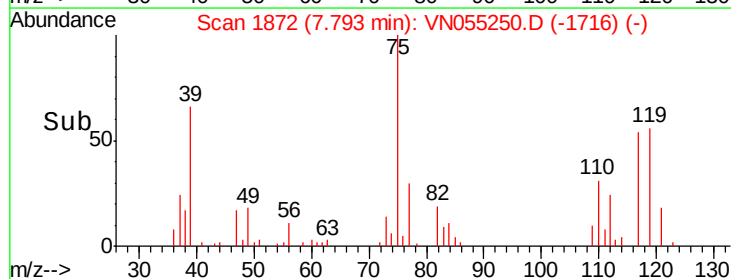
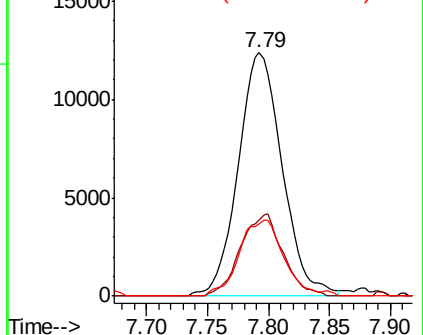


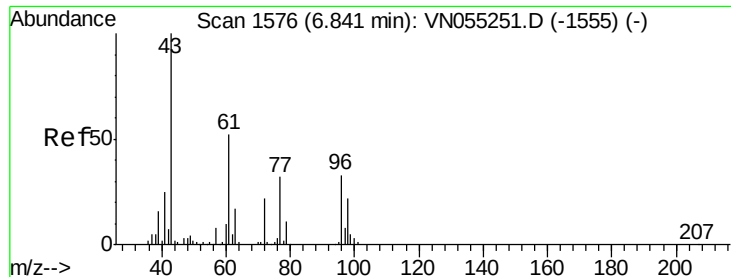
#29
 1,1-Dichloropropene
 Concen: 5.387 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion: 75 Resp: 30935
 Ion Ratio Lower Upper
 75 100
 110 32.5 0.0 68.6
 77 31.2 0.0 61.6



Abundance Ion 75.00 (74.70 to 75.70): VN
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VN

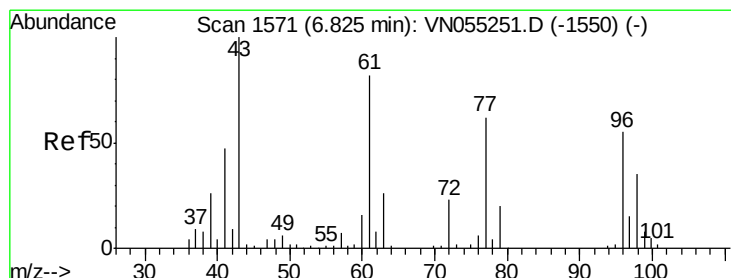
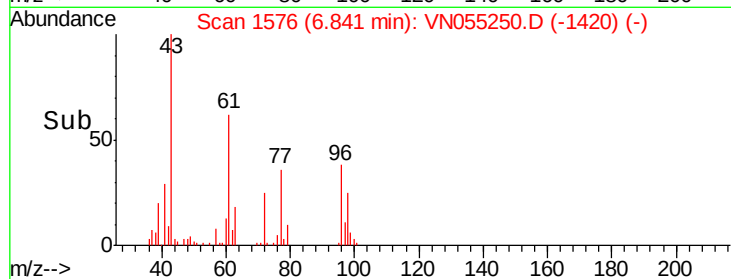
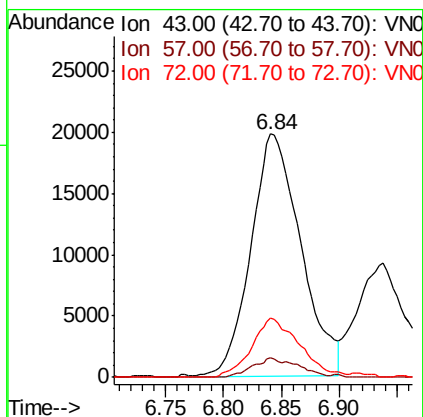
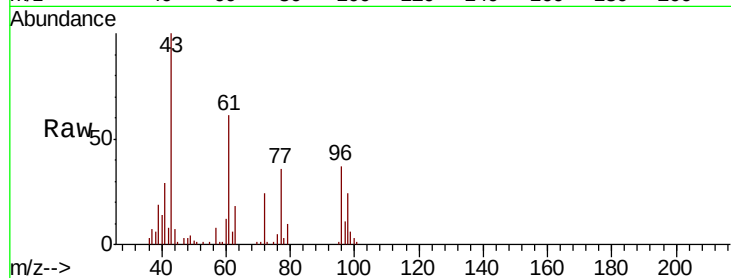




#30
2-Butanone
Concen: 29.698 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

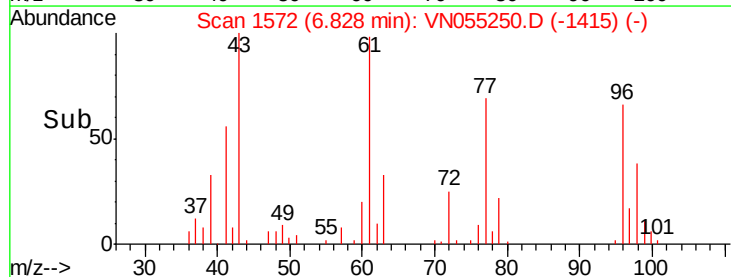
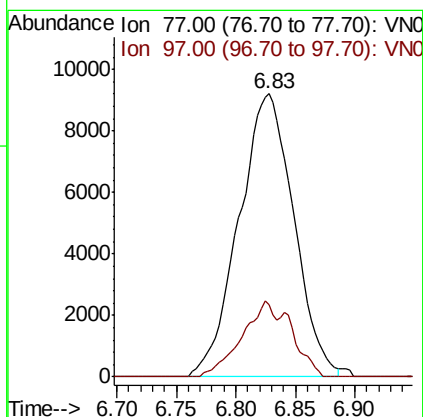
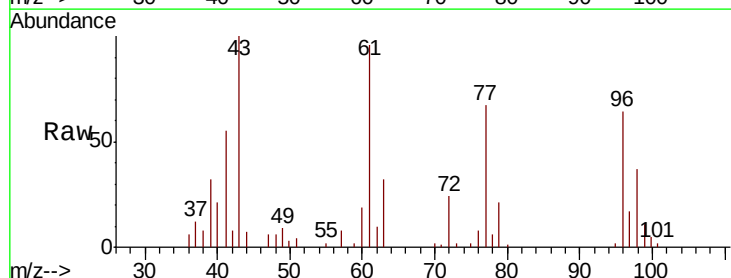
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

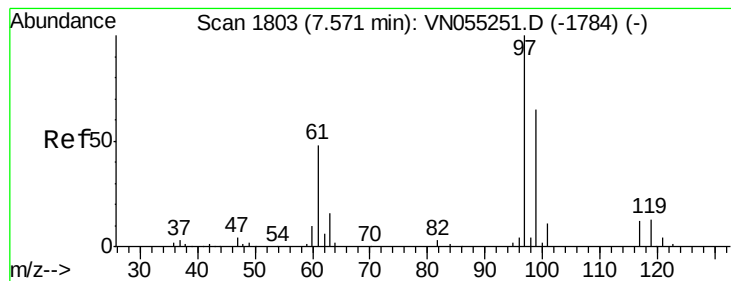
Tot Ion: 43 Resp: 59383
Ion Ratio Lower Upper
43 100
57 1.0 6.0 9.0#
72 22.9 17.9 26.9



#31
2,2-Dichloropropane
Concen: 5.495 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion: 77 Resp: 29414
Ion Ratio Lower Upper
77 100
97 16.3 18.6 28.0#





#32

1,1,1-Trichloroethane

Concen: 5.676 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

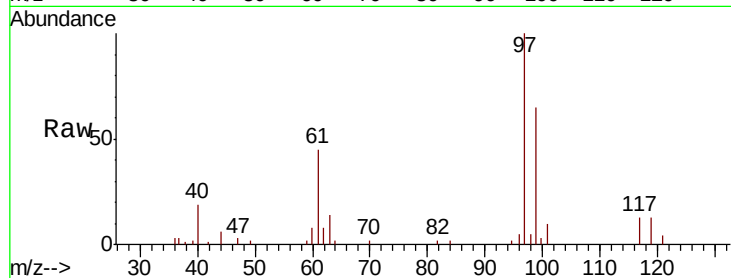
Tot Ion: 97 Resp: 34969

Ion Ratio Lower Upper

97 100

99 64.2 51.2 76.8

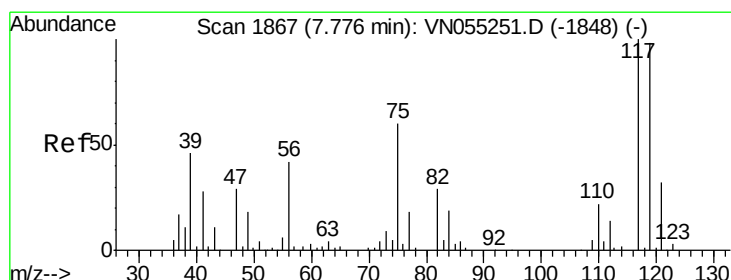
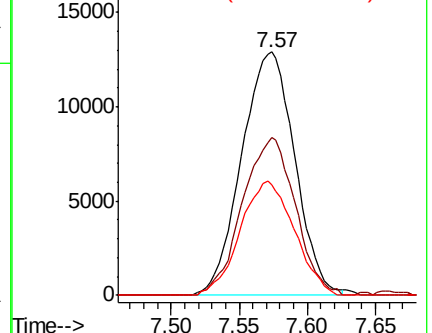
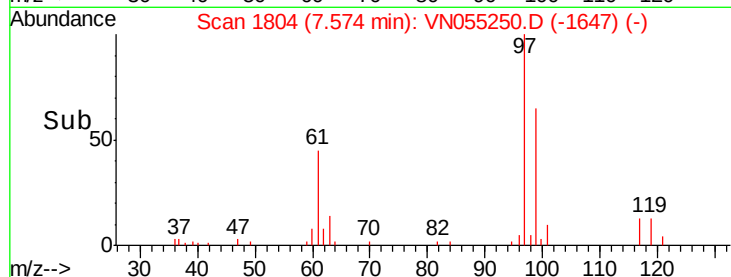
61 47.8 38.3 57.5



Abundance Ion 97.00 (96.70 to 97.70): VN055250.D (-1647) (-)

Ion 99.00 (98.70 to 99.70): VN055250.D (-1647) (-)

Ion 61.00 (60.70 to 61.70): VN055250.D (-1647) (-)



#33

Carbon Tetrachloride

Concen: 5.517 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

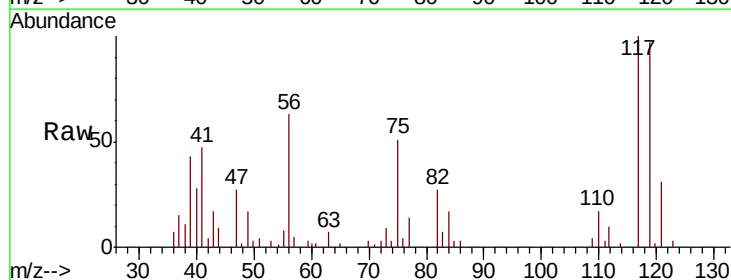
Tgt Ion: 117 Resp: 29133

Ion Ratio Lower Upper

117 100

119 95.8 78.7 118.1

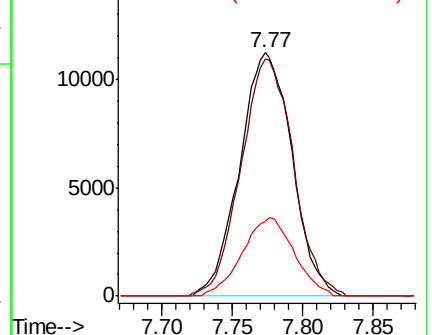
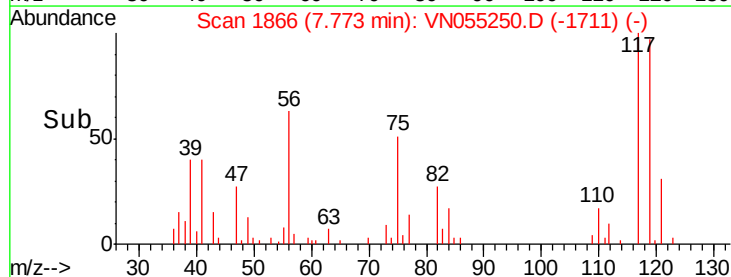
121 30.8 25.8 38.6

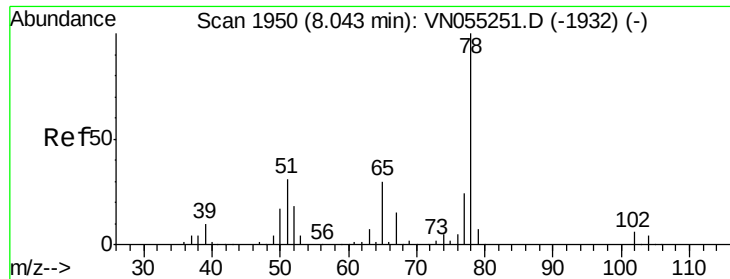


Abundance Ion 117.00 (116.70 to 117.70): VN055250.D (-1711) (-)

Ion 119.00 (118.70 to 119.70): VN055250.D (-1711) (-)

Ion 121.00 (120.70 to 121.70): VN055250.D (-1711) (-)





#34

Benzene

Concen: 5.531 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

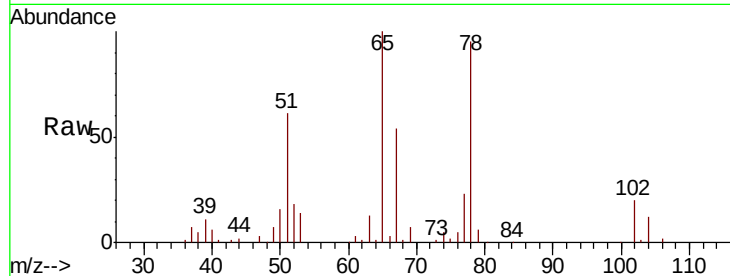
Tot Ion: 78 Resp: 94645

Ion Ratio Lower Upper

78 100

77 24.1 19.1 28.7

51 62.0 24.5 36.7#

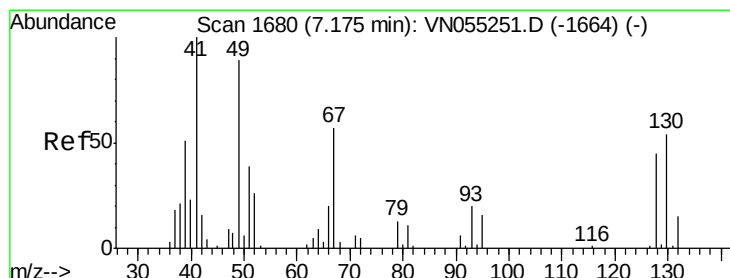
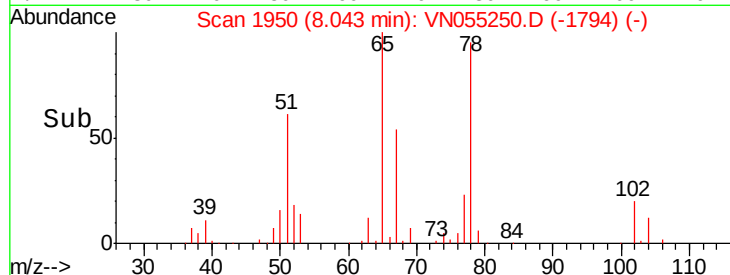
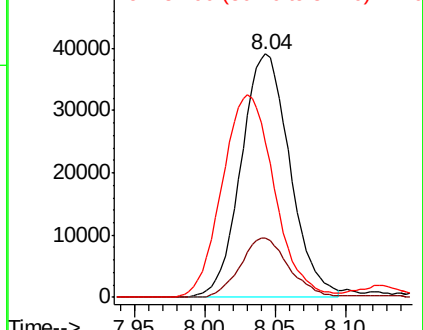


Abundance

Ion 78.10 (77.80 to 78.80): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 51.00 (50.70 to 51.70): VNO



#35

Methacrylonitrile

Concen: 4.975 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.01 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Tgt Ion: 41 Resp: 11986

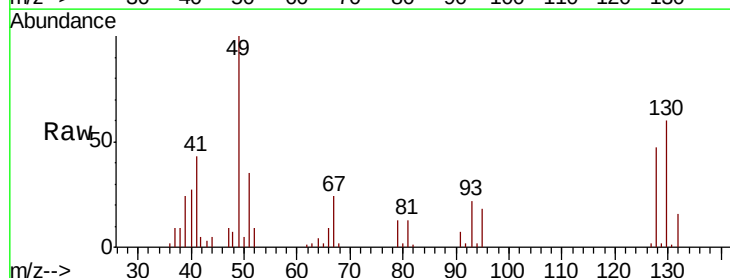
Ion Ratio Lower Upper

41 100

39 53.3 25.3 75.8

67 55.6 28.7 86.1

52 22.1 13.0 39.0



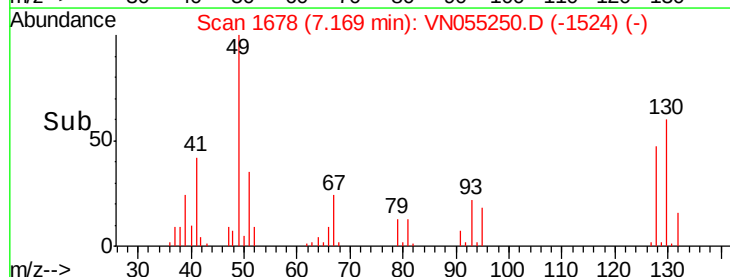
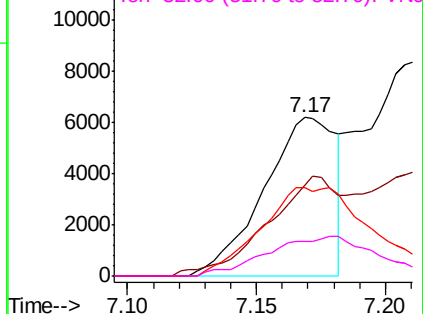
Abundance

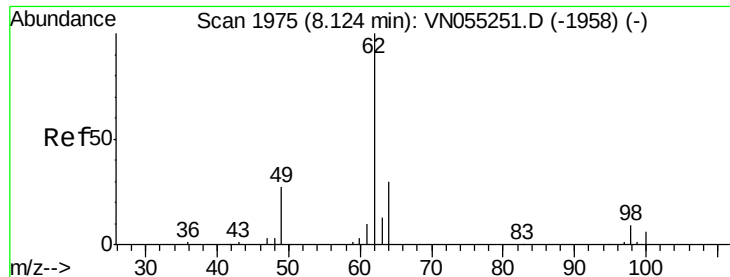
Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

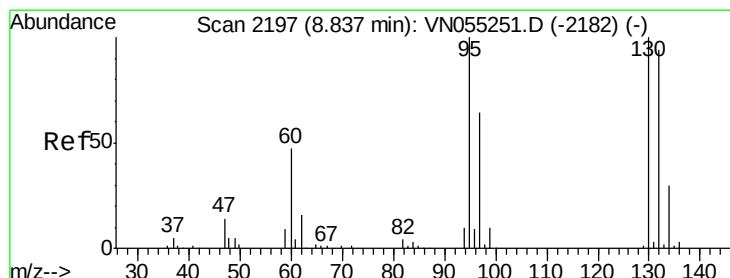
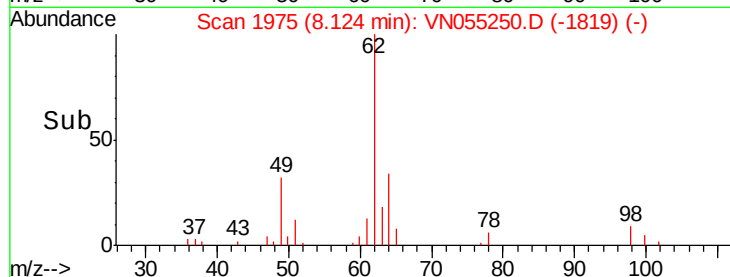
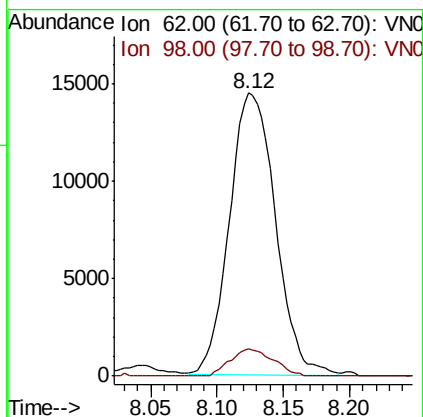
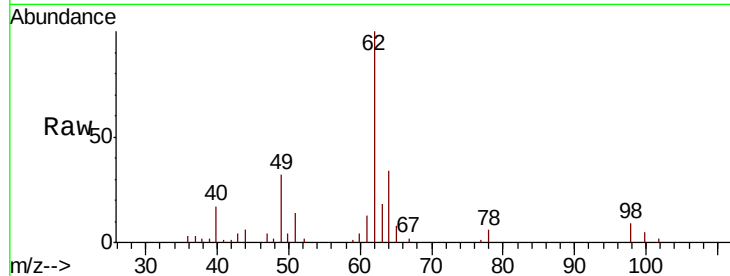




#36
 1,2-Dichloroethane
 Concen: 5.906 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

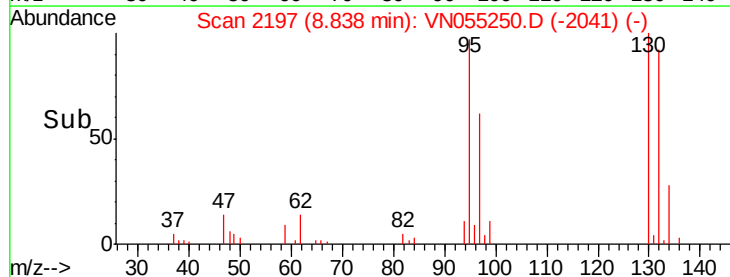
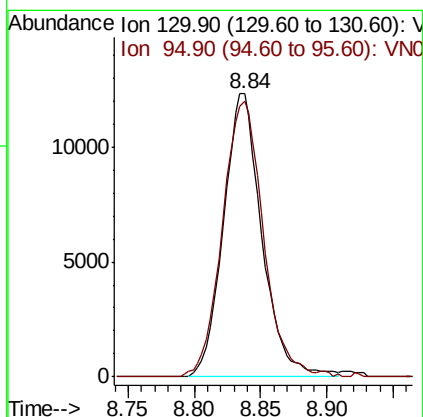
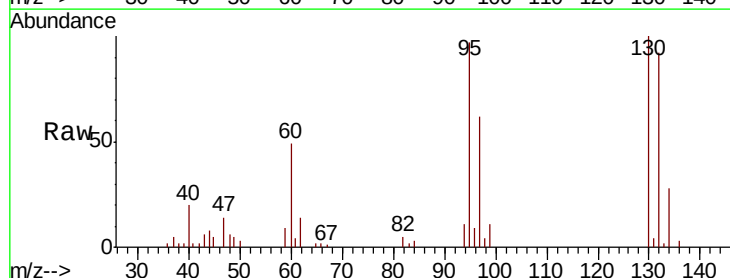
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

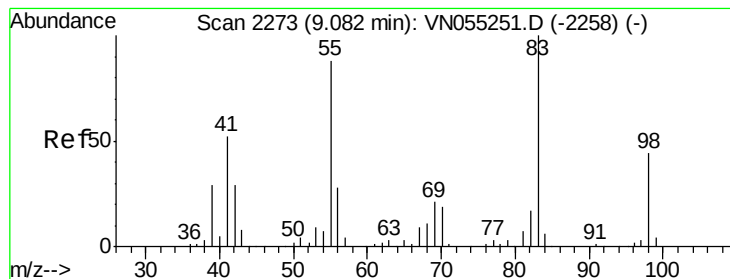
Tot Ion: 62 Resp: 34862
 Ion Ratio Lower Upper
 62 100
 98 9.1 6.8 10.2



#37
 Trichloroethene
 Concen: 5.719 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion:130 Resp: 24799
 Ion Ratio Lower Upper
 130 100
 95 96.2 79.9 119.9





#38

Methylvlcyclohexane

Concen: 5.144 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

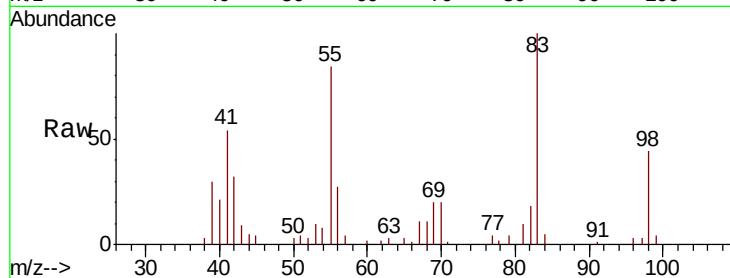
Tot Ion: 83 Resp: 33635

Ion Ratio Lower Upper

83 100

55 84.3 43.8 131.4

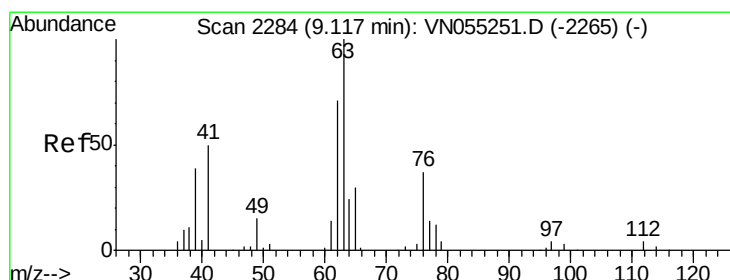
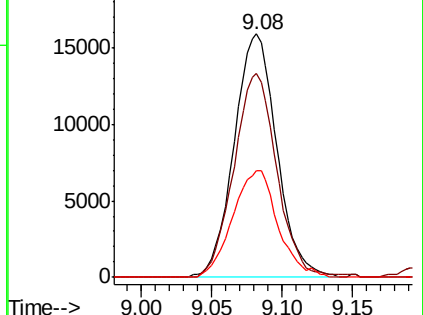
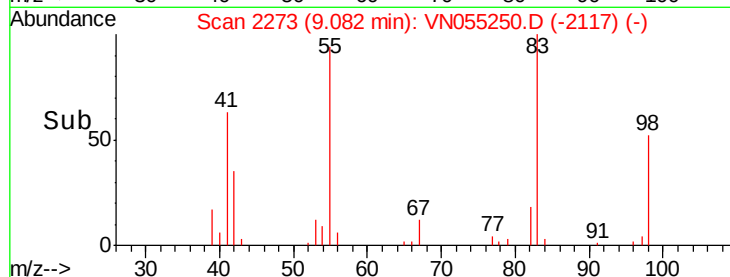
98 45.6 22.4 67.2



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#39

1,2-Dichloropropane

Concen: 5.607 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055250.D

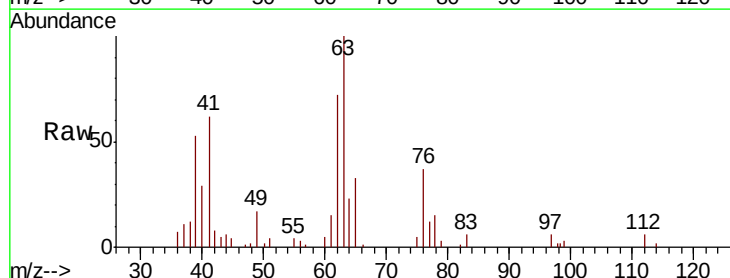
Acq: 25 Apr 2019 17:59

Tgt Ion: 63 Resp: 26770

Ion Ratio Lower Upper

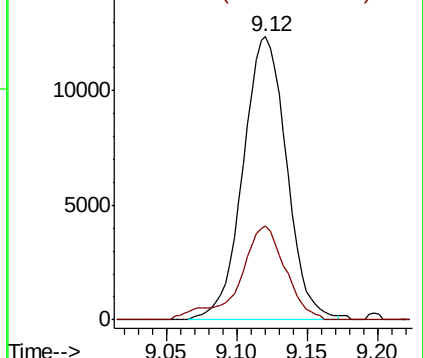
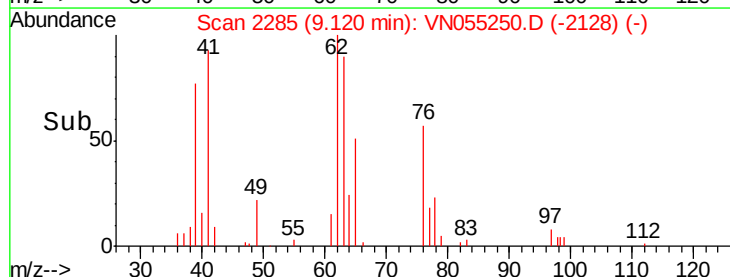
63 100

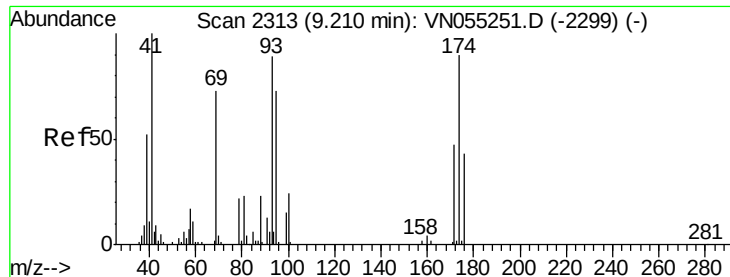
65 33.1 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

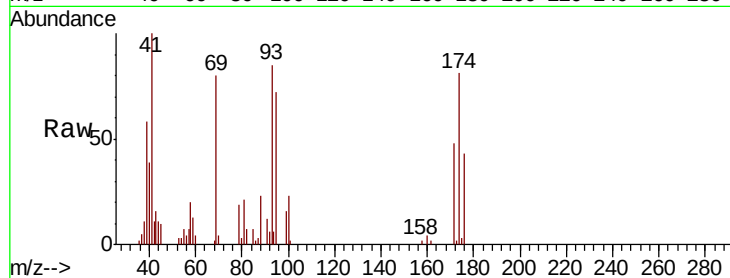




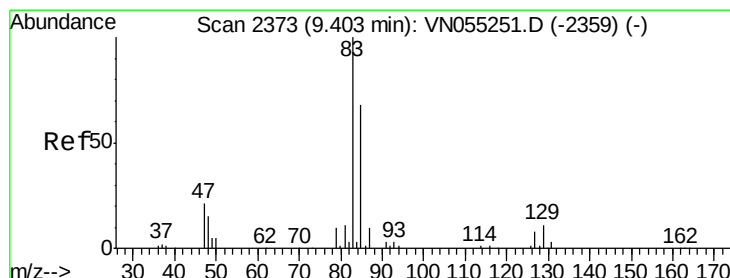
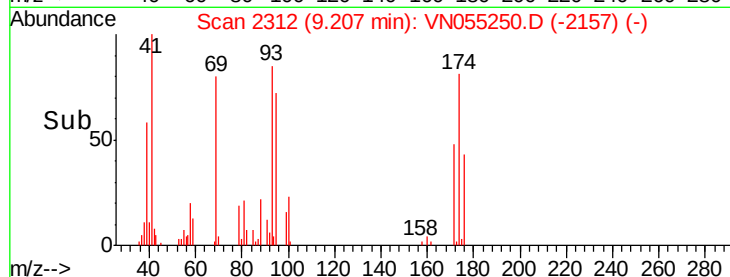
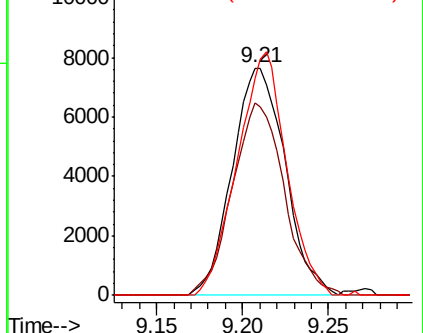
#40
Dibromomethane
Concen: 6.007 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 93 Resp: 16300
Ion Ratio Lower Upper
93 100
95 83.3 0.0 164.8
174 99.7 0.0 203.4

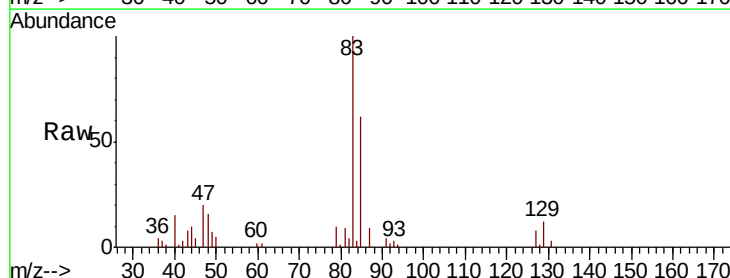


Abundance Ion 93.00 (92.70 to 93.70): VN0
Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V

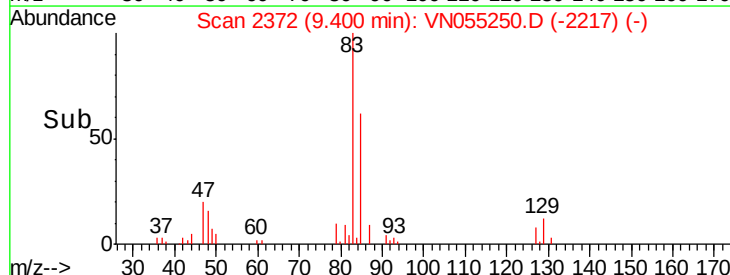
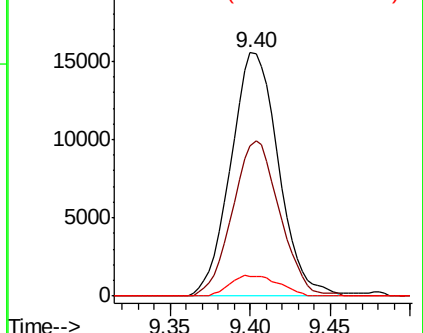


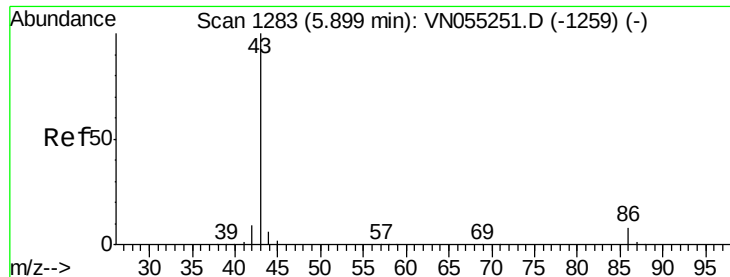
#41
Bromodichloromethane
Concen: 5.695 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion: 83 Resp: 31693
Ion Ratio Lower Upper
83 100
85 61.7 54.5 81.7
127 8.0 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): V

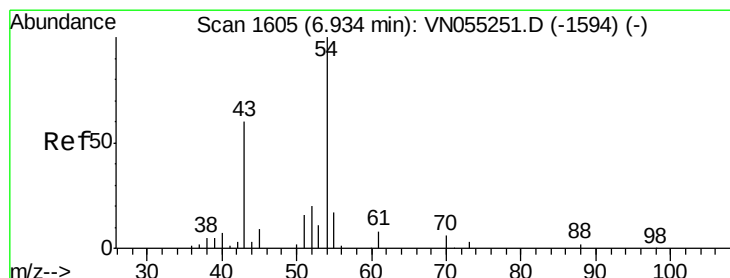
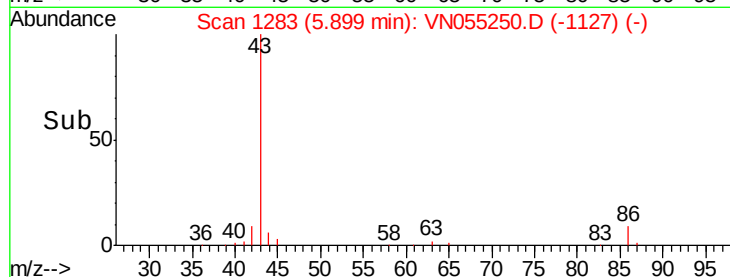
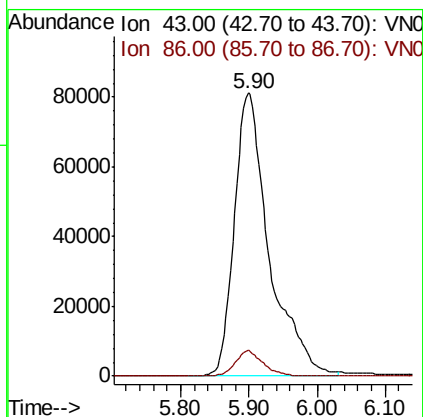
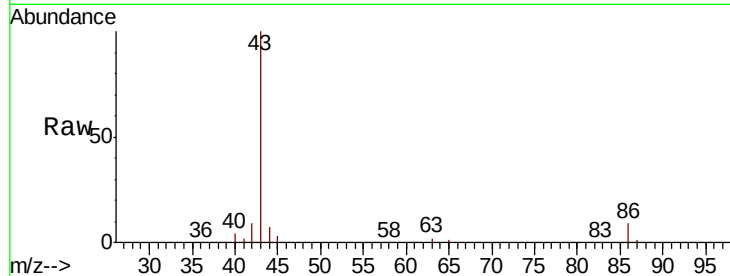




#42
 Vinyl Acetate
 Concen: 28.844 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

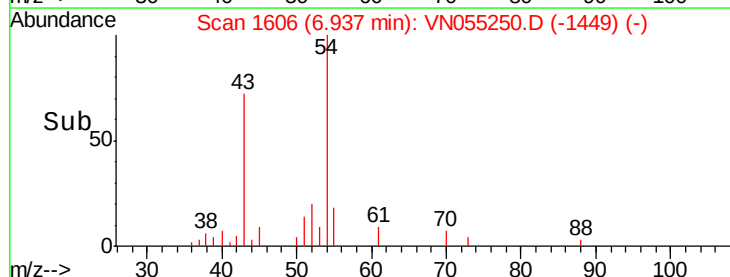
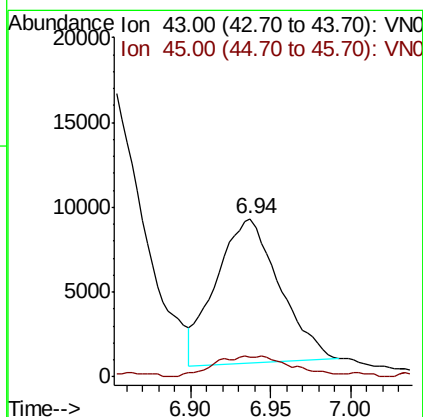
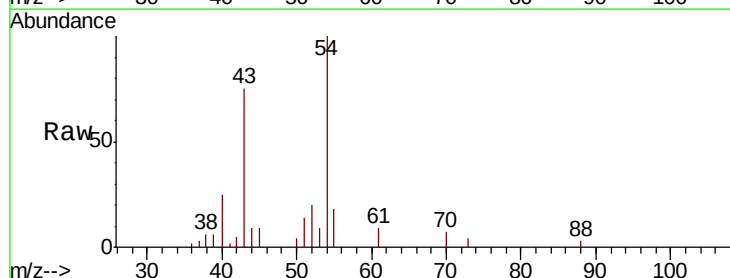
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

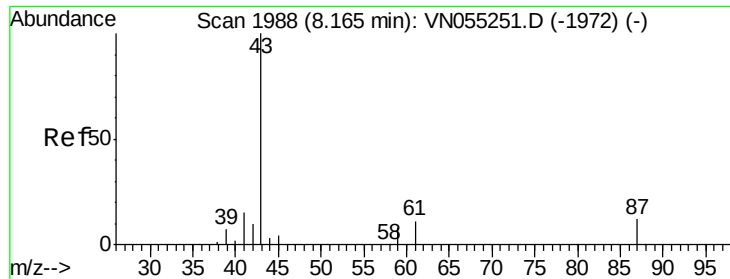
Tot Ion: 43 Resp: 288956
 Ion Ratio Lower Upper
 43 100
 86 7.2 5.7 8.5



#43
 Ethyl Acetate
 Concen: 5.552 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion: 43 Resp: 23238
 Ion Ratio Lower Upper
 43 100
 45 4.9 9.6 14.4#





#44

Isopropyl Acetate

Concen: 6.625 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

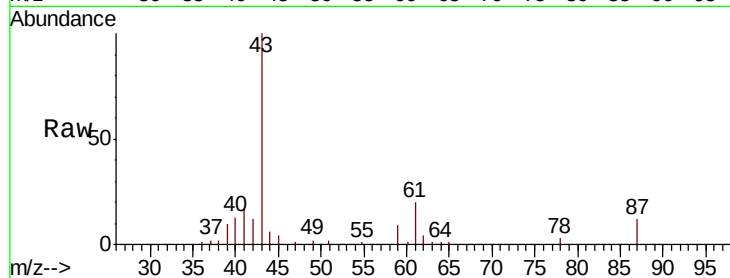
VSTDIC005

Tot Ion: 43 Resp: 47693

Ion Ratio Lower Upper

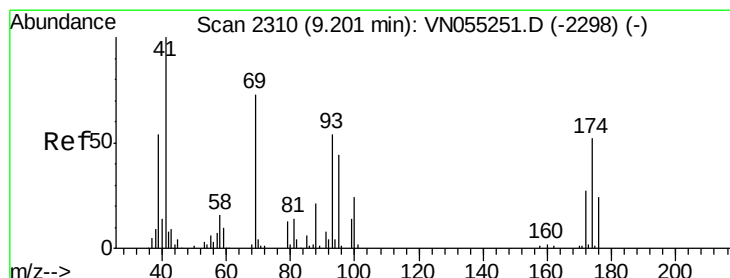
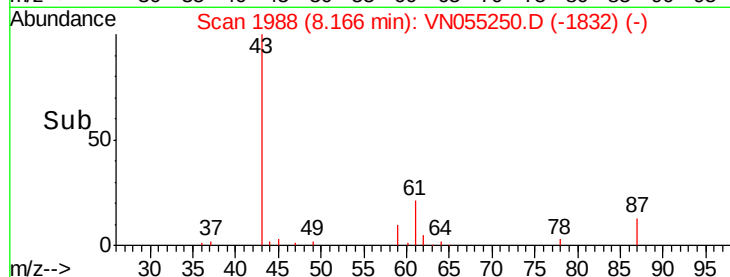
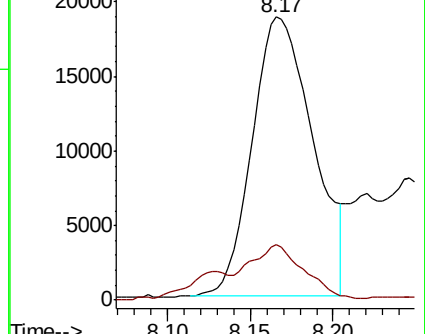
43 100

61 16.8 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#45

1,4-Dioxane

Concen: 114.973 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

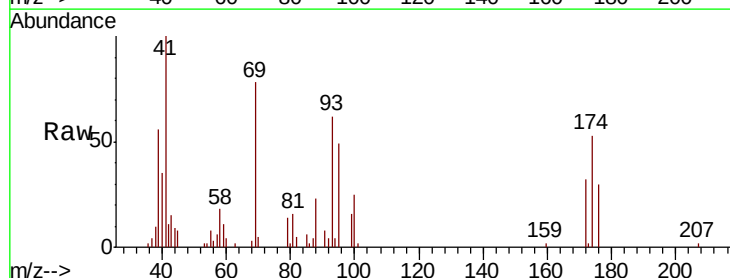
Tgt Ion: 88 Resp: 4472

Ion Ratio Lower Upper

88 100

43 20.5 29.4 44.0#

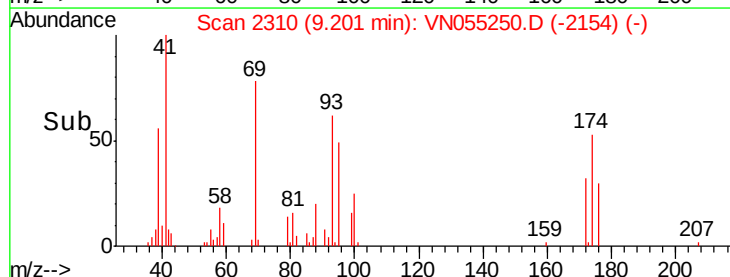
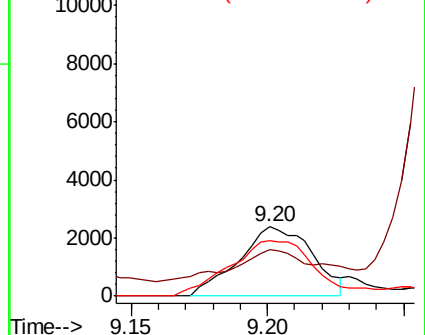
58 89.2 62.4 93.6

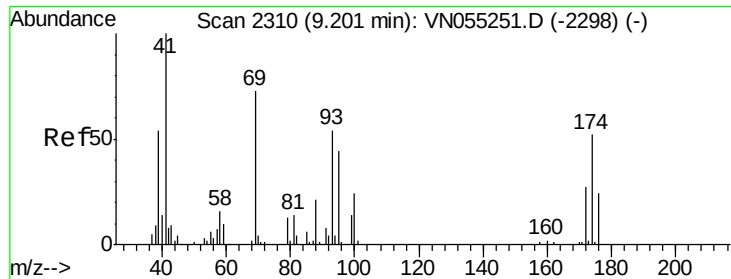


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

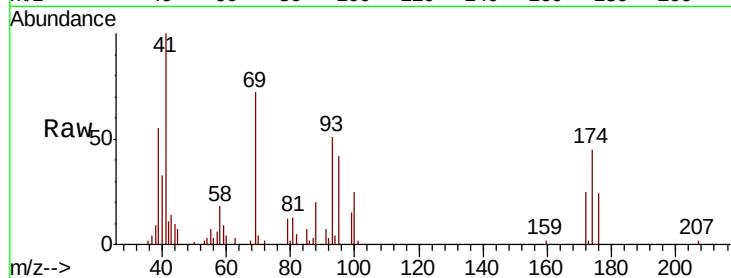




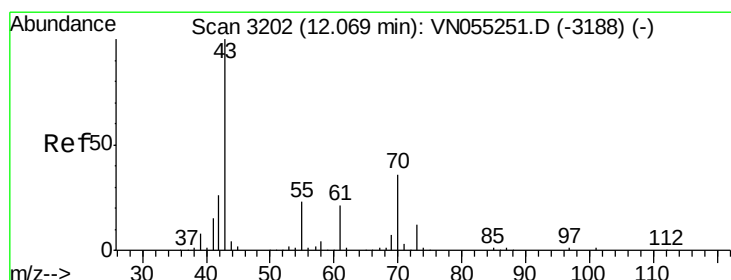
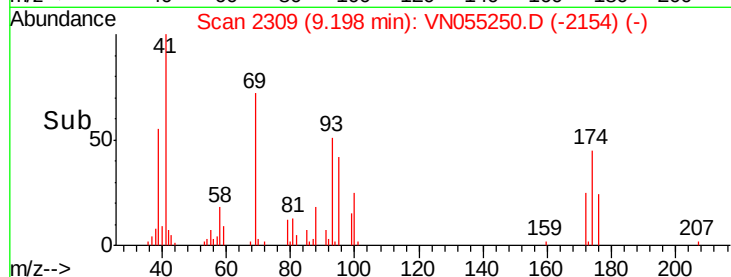
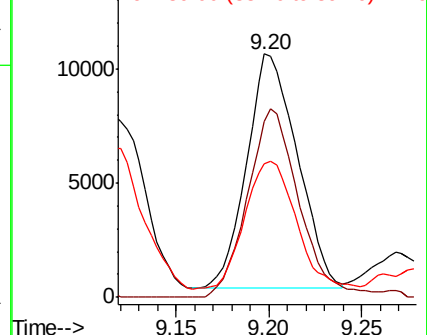
#46
Methyl methacrylate
Concen: 5.367 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 41 Resp: 19519
Ion Ratio Lower Upper
41 100
69 75.0 36.4 109.3
39 53.1 26.9 80.7

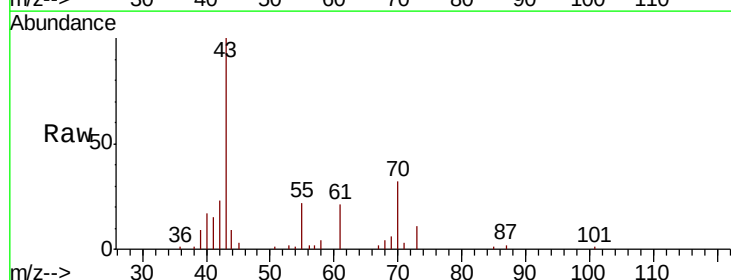


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

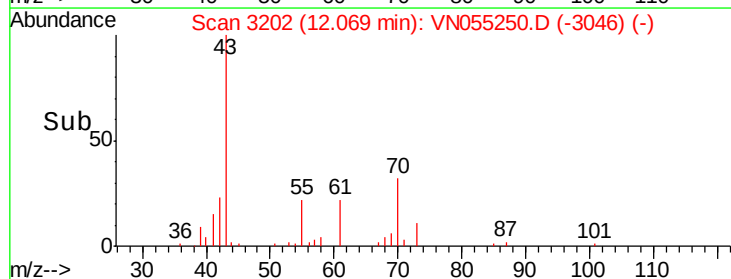
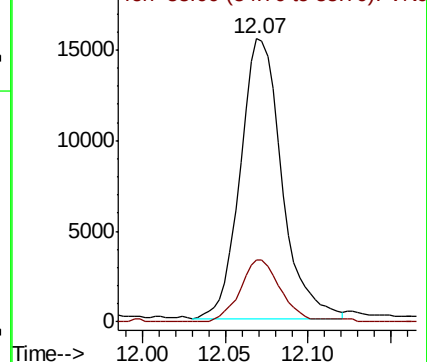


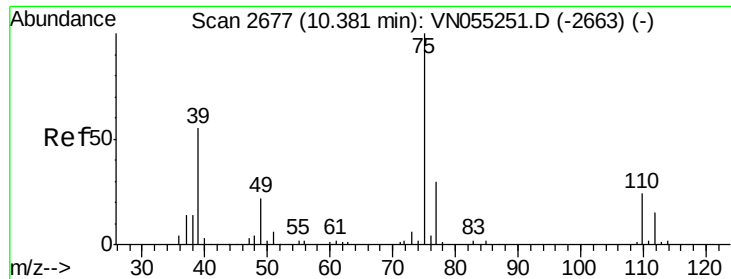
#47
n-amyl Acetate
Concen: 5.197 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion: 43 Resp: 26814
Ion Ratio Lower Upper
43 100
55 21.5 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0

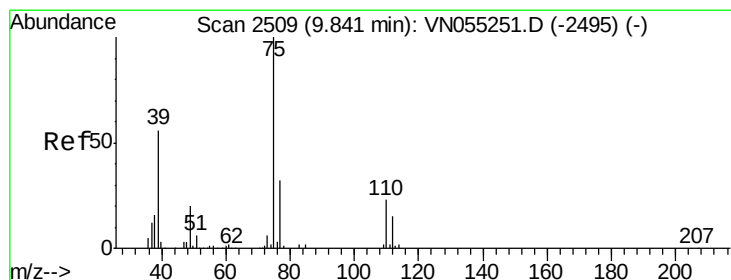
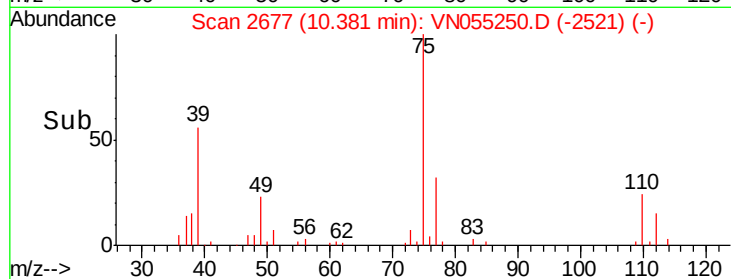
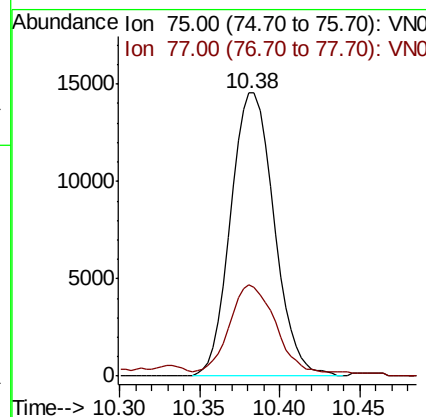
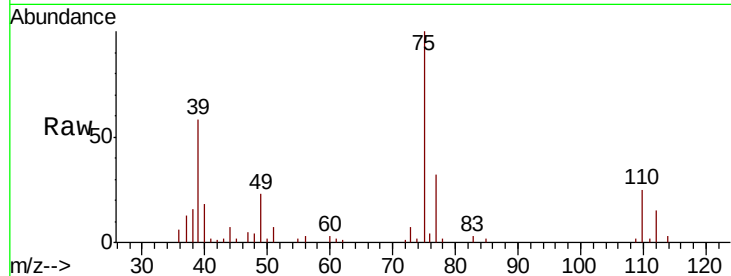




#48
t-1,3-Dichloropropene
Concen: 5.160 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

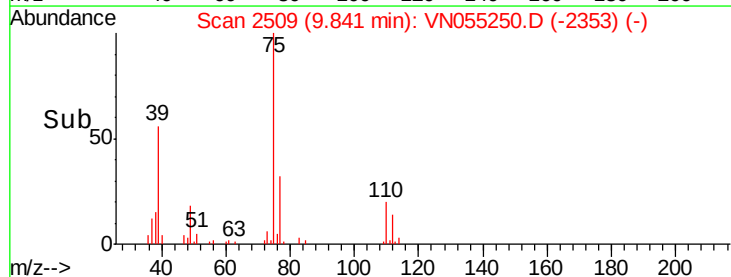
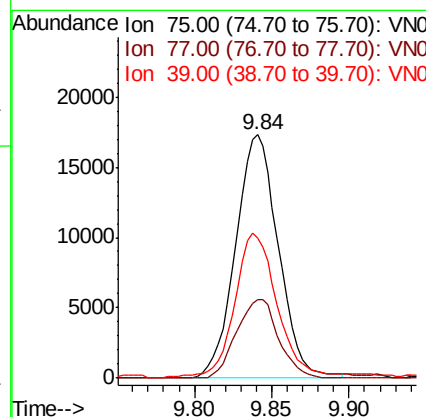
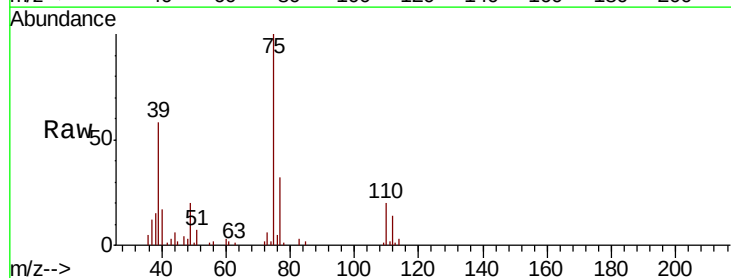
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

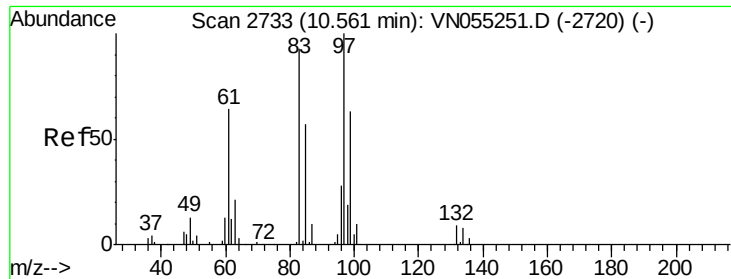
Tot Ion: 75 Resp: 26990
Ion Ratio Lower Upper
75 100
77 30.8 23.9 35.9



#49
cis-1,3-Dichloropropene
Concen: 5.230 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion: 75 Resp: 33159
Ion Ratio Lower Upper
75 100
77 32.0 25.9 38.9
39 56.3 45.0 67.6

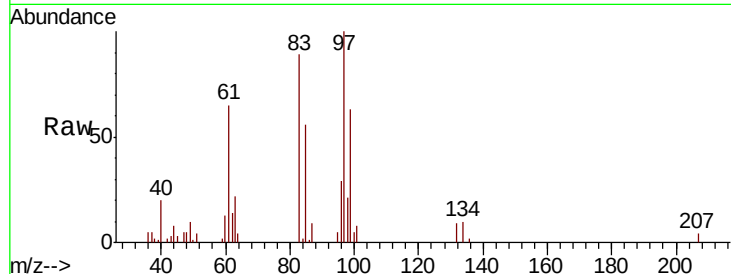




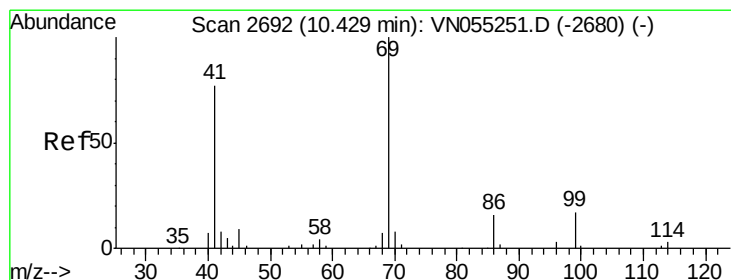
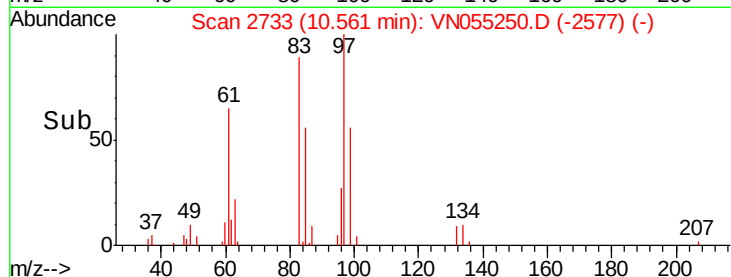
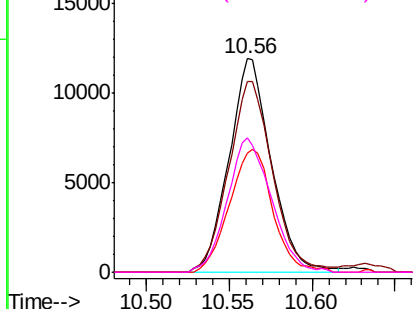
#50
 1,1,2-Trichloroethane
 Concen: 5.706 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 97 Resp: 21085
 Ion Ratio Lower Upper
 97 100
 83 89.4 74.6 111.8
 85 56.0 45.4 68.2
 99 62.7 50.7 76.1

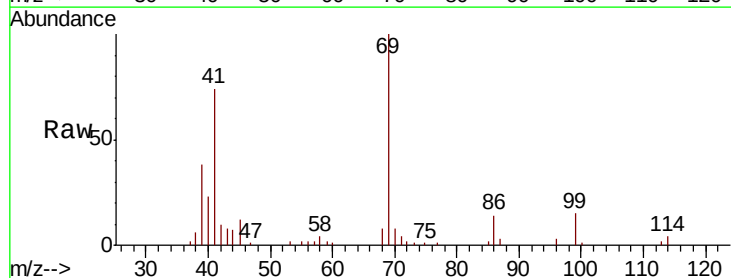


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0

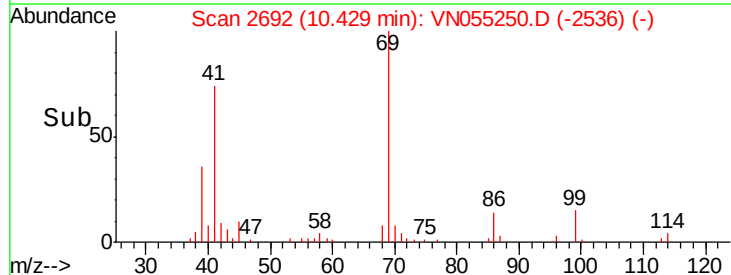
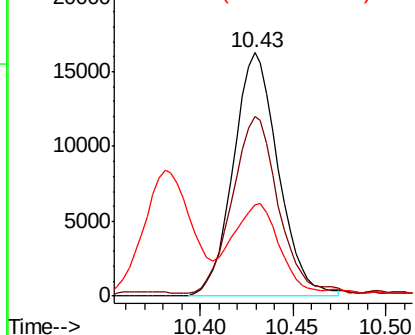


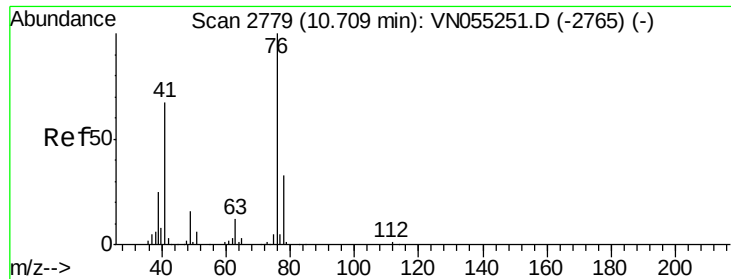
#51
 Ethyl methacrylate
 Concen: 6.053 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion: 69 Resp: 27413
 Ion Ratio Lower Upper
 69 100
 41 72.8 38.7 116.1
 39 34.9 19.9 59.6



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

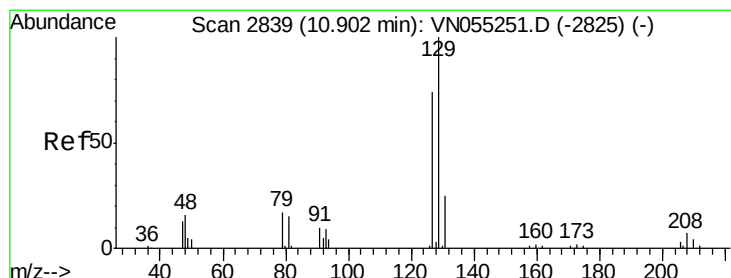
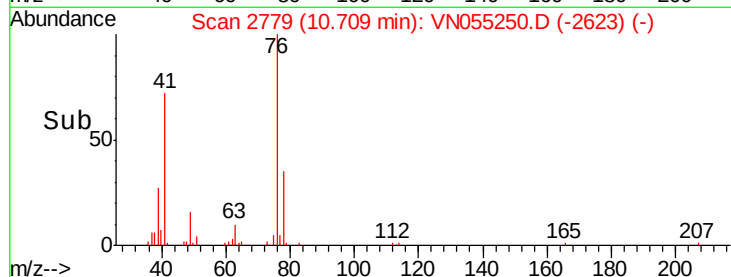
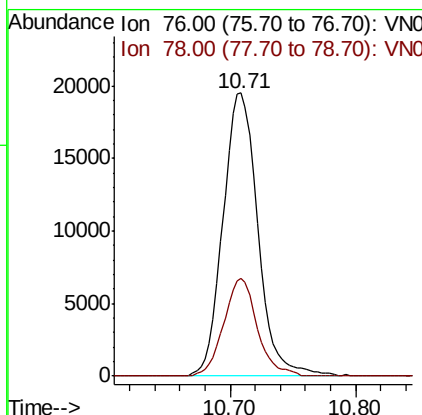
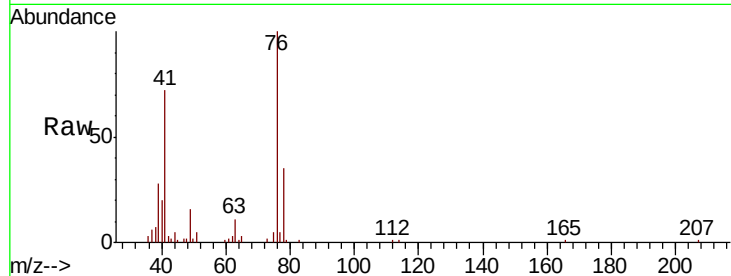




#52
 1,3-Dichloropropane
 Concen: 5.833 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

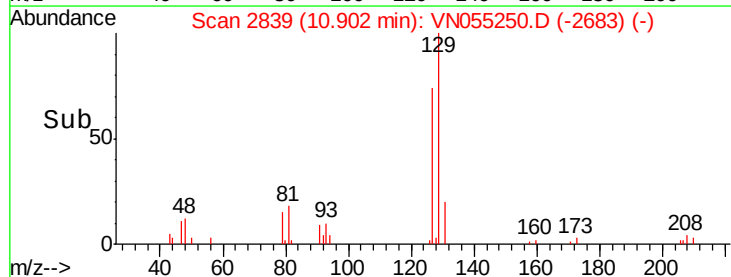
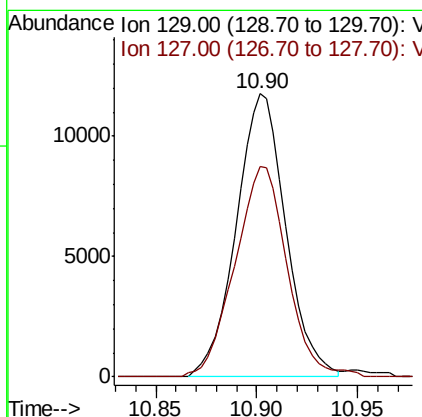
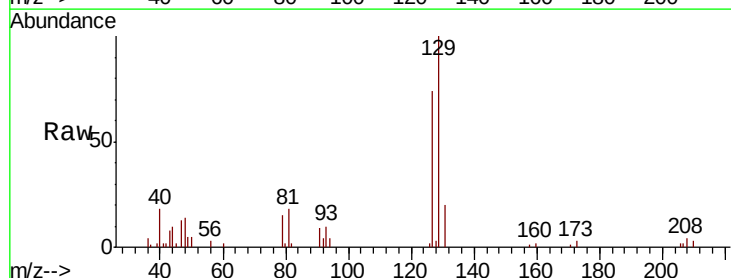
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

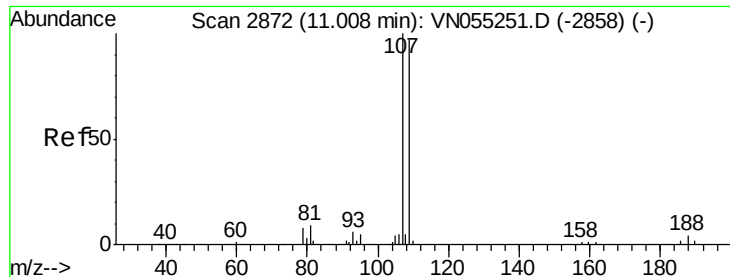
Tot Ion: 76 Resp: 37683
 Ion Ratio Lower Upper
 76 100
 78 33.1 0.0 63.0



#53
 Dibromochloromethane
 Concen: 5.311 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion: 129 Resp: 20213
 Ion Ratio Lower Upper
 129 100
 127 77.4 38.8 116.3





#54

1,2-Dibromoethane

Concen: 5.614 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

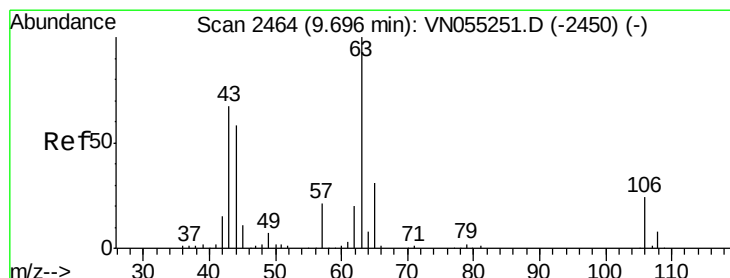
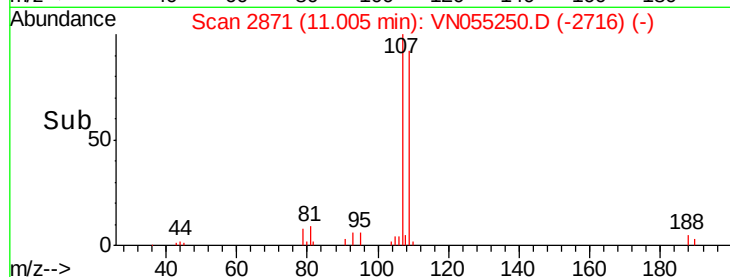
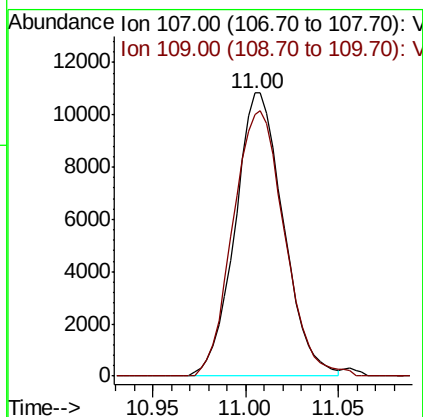
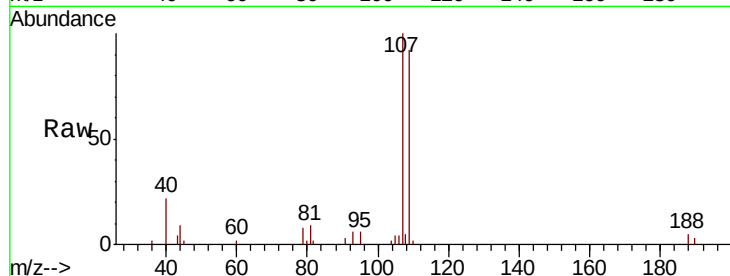
VSTDIC005

Tot Ion:107 Resp: 19630

Ion Ratio Lower Upper

107 100

109 99.6 75.2 112.8



#55

2-Chloroethyl vinyl ether

Concen: 18.116 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

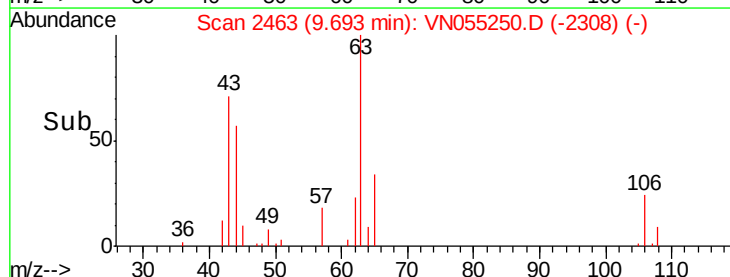
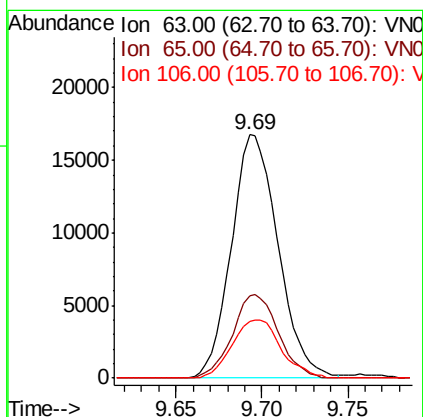
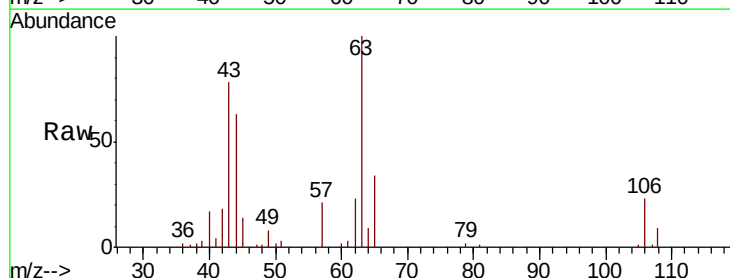
Tgt Ion: 63 Resp: 31658

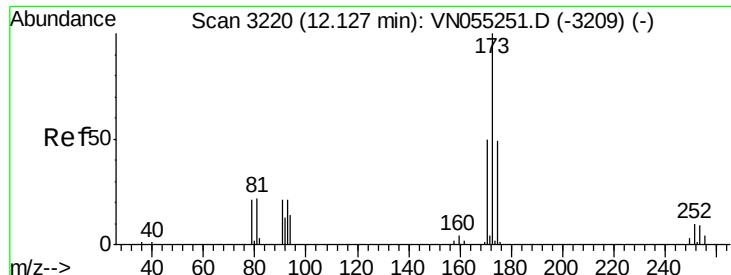
Ion Ratio Lower Upper

63 100

65 33.5 25.1 37.7

106 25.0 19.4 29.0

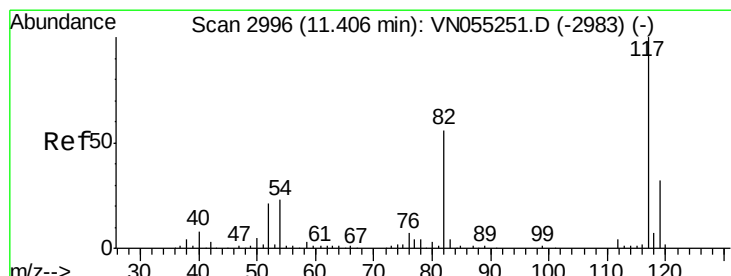
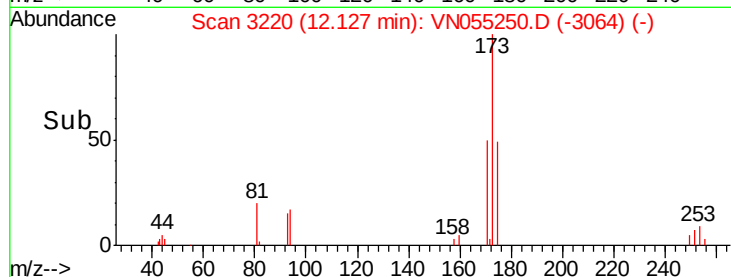
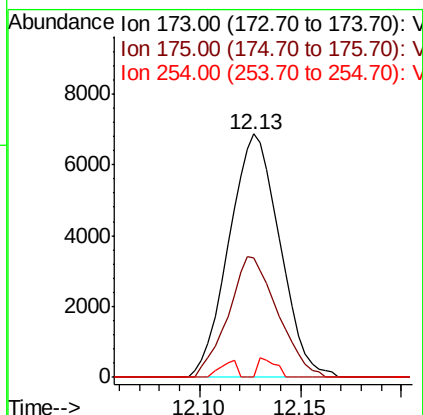
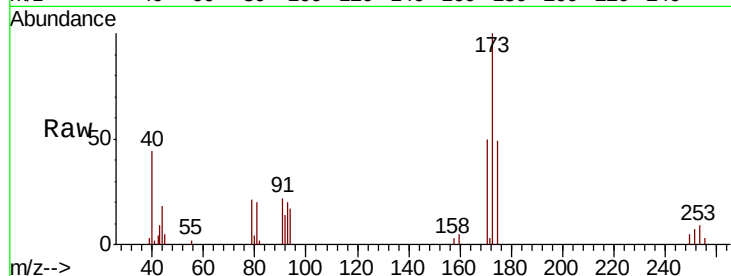




#56
Bromoform
Concen: 4.954 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

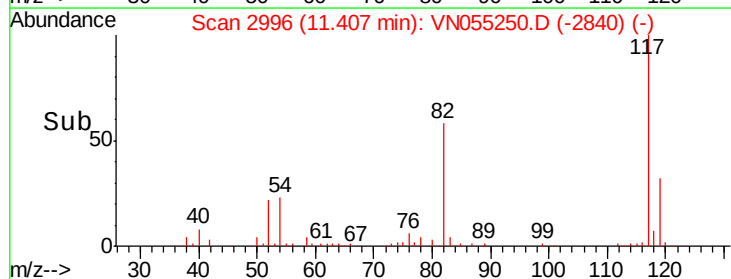
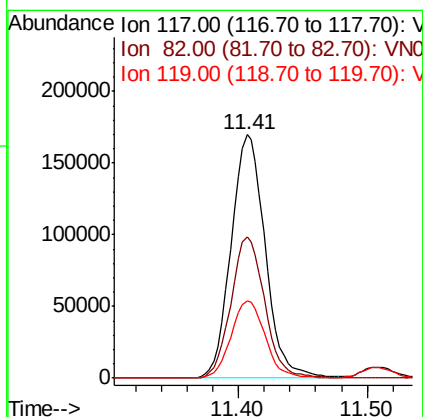
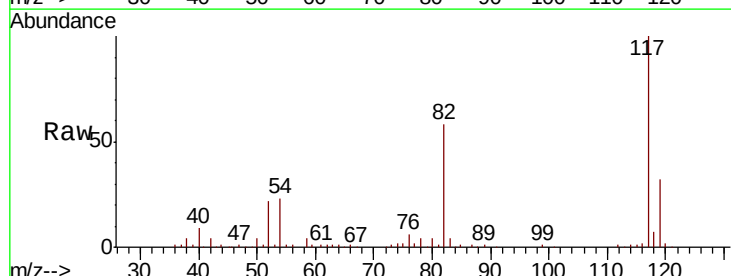
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

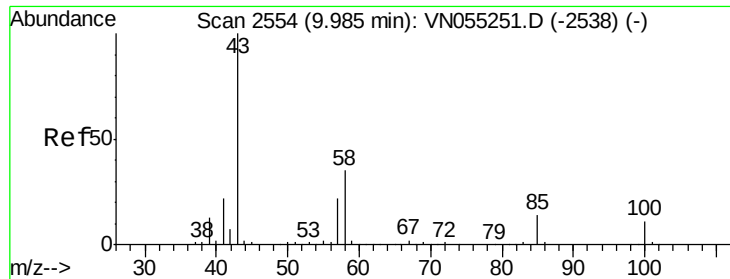
Tot Ion:173 Resp: 12072
Ion Ratio Lower Upper
173 100
175 48.2 37.7 56.5
254 2.8 7.8 11.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion:117 Resp: 311453
Ion Ratio Lower Upper
117 100
82 57.7 45.3 67.9
119 32.0 25.4 38.0





#58

4-Methyl-2-Pentanone

Concen: 32.190 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

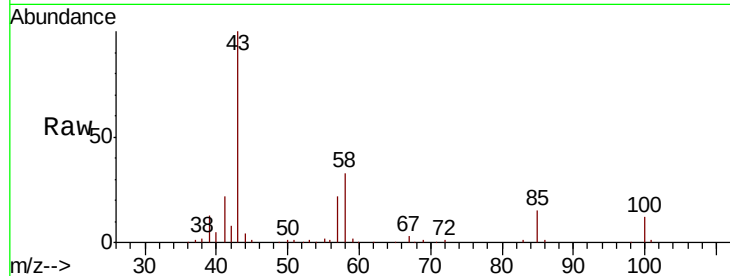
Tot Ion: 43 Resp: 125669

Ion Ratio Lower Upper

43 100

58 35.2 28.6 43.0

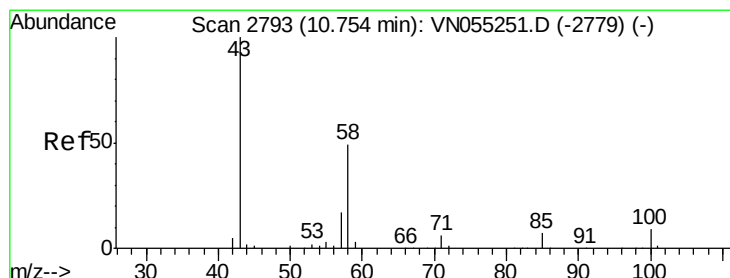
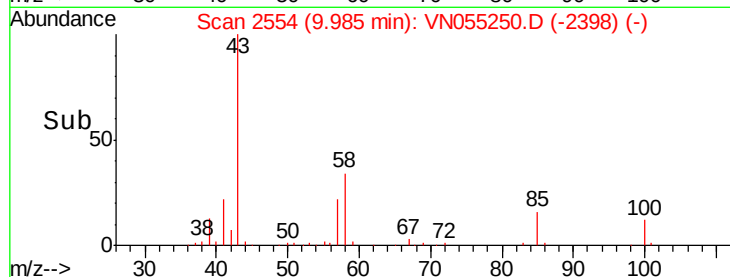
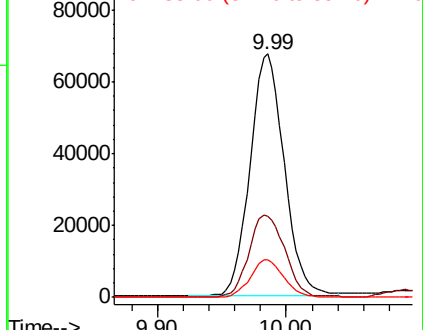
85 15.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#59

2-Hexanone

Concen: 32.779 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

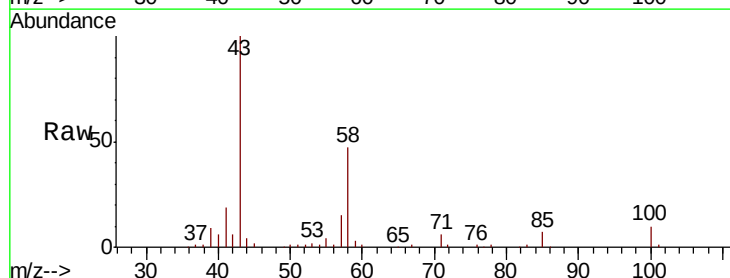
Tgt Ion: 43 Resp: 80756

Ion Ratio Lower Upper

43 100

58 46.4 39.0 58.6

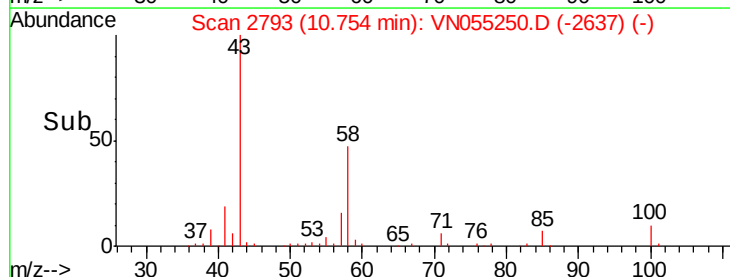
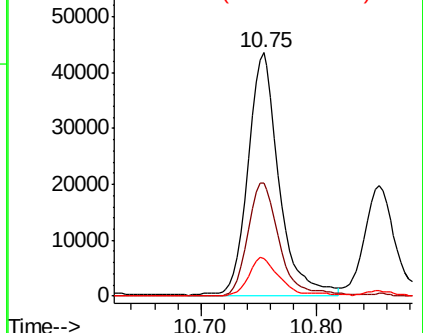
57 15.2 13.4 20.2

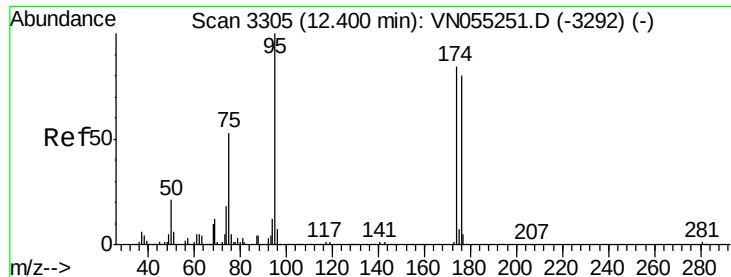


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

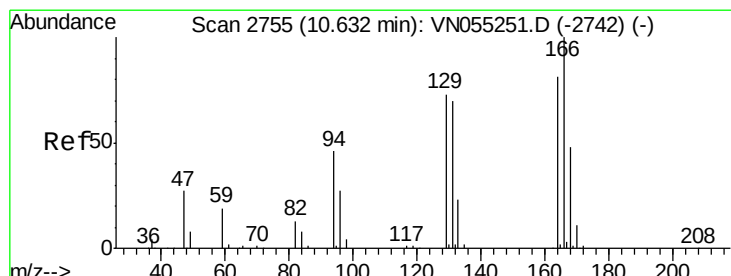
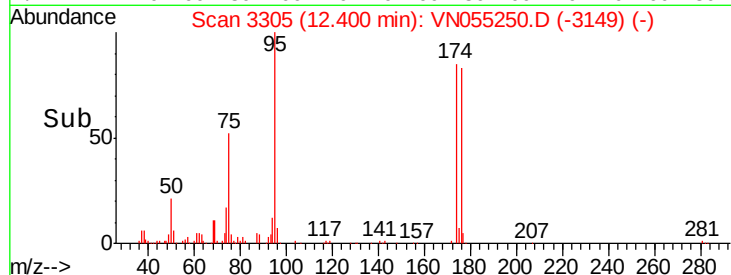
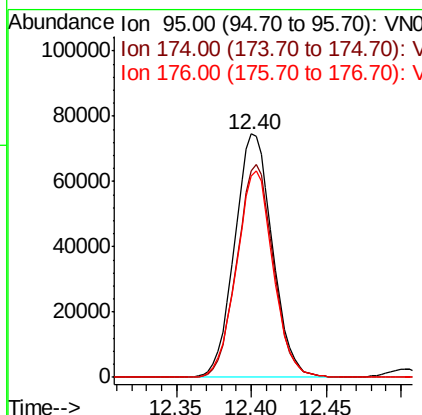
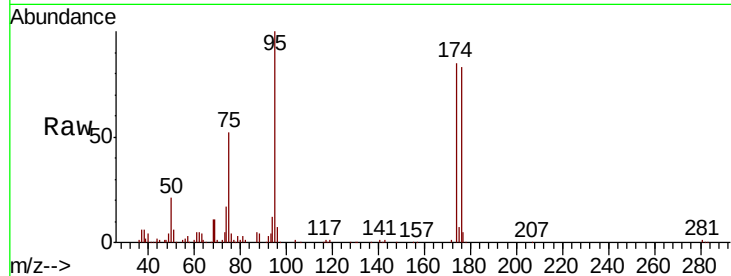




#60
 4-Bromofluorobenzene
 Concen: 32.779 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

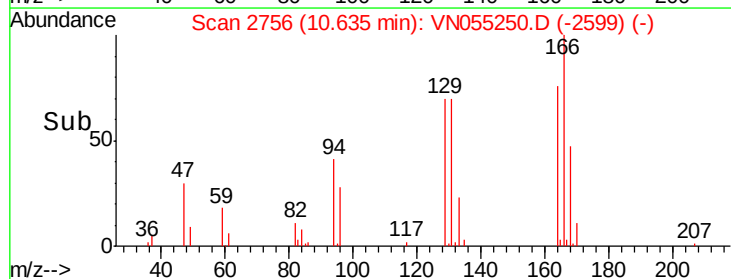
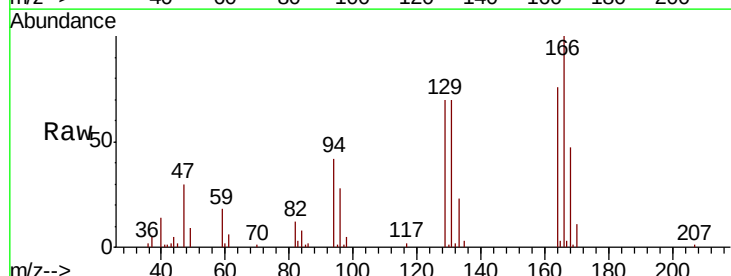
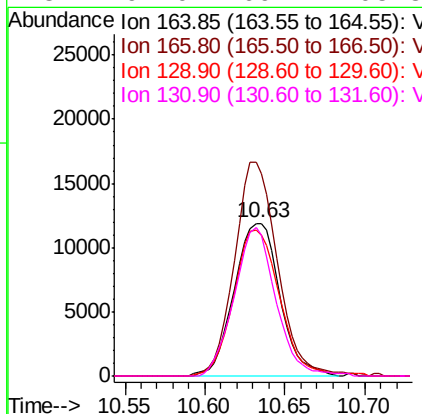
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

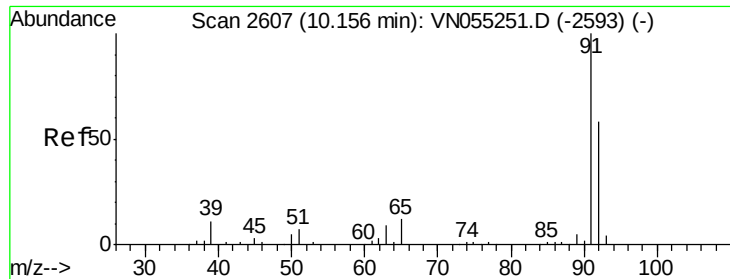
Tot Ion: 95 Resp: 130844
 Ion Ratio Lower Upper
 95 100
 174 84.5 68.1 102.1
 176 82.3 65.8 98.6



#61
 Tetrachloroethene
 Concen: 5.670 ug/l
 RT: 10.63 min Scan# 2756
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion: 164 Resp: 23184
 Ion Ratio Lower Upper
 164 100
 166 132.2 98.6 147.8
 129 92.4 72.4 108.6
 131 92.0 69.2 103.8





#62

Toluene

Concen: 5.701 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

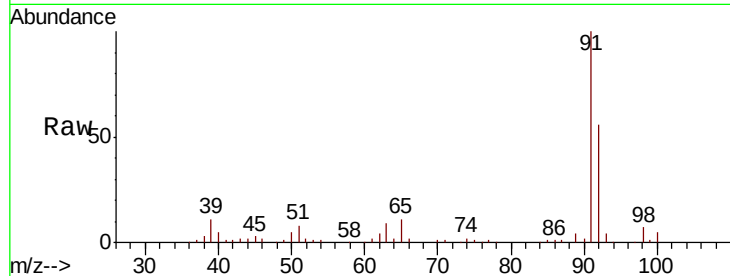
VSTDIC005

Tot Ion: 91 Resp: 98905

Ion Ratio Lower Upper

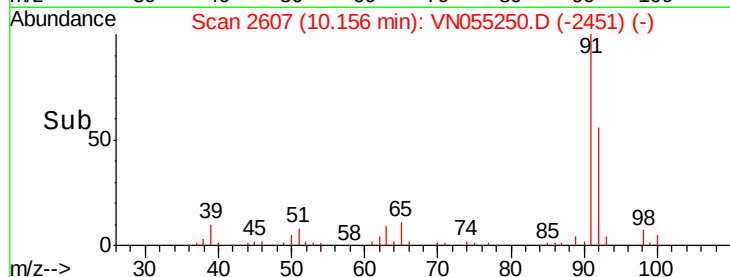
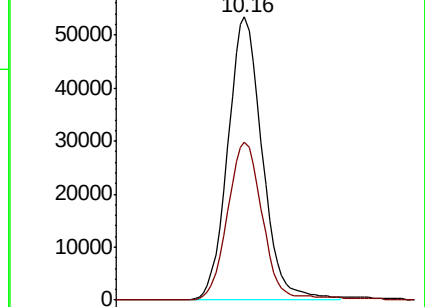
91 100

92 57.0 44.3 66.5

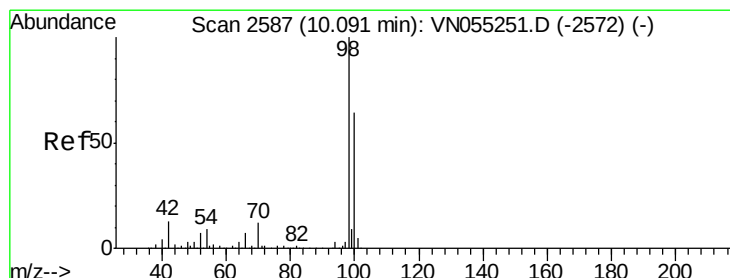


Abundance Ion 91.00 (90.70 to 91.70): VN055251.D (-2593) (-)

Ion 92.00 (91.70 to 92.70): VN055251.D (-2593) (-)



Time-->



#63

Toluene-d8

Concen: 5.701 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055250.D

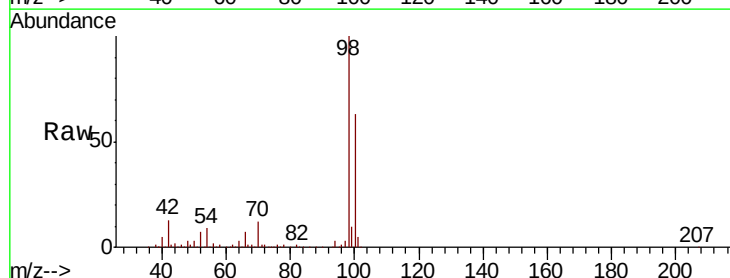
Acq: 25 Apr 2019 17:59

Tgt Ion: 98 Resp: 463208

Ion Ratio Lower Upper

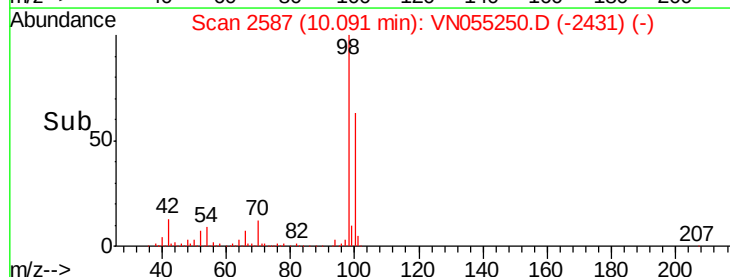
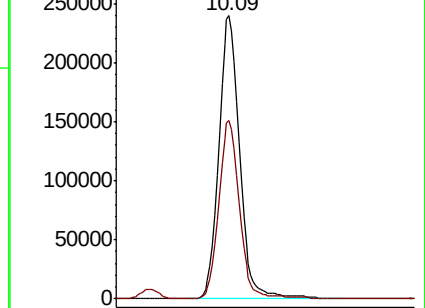
98 100

100 62.9 50.0 75.0

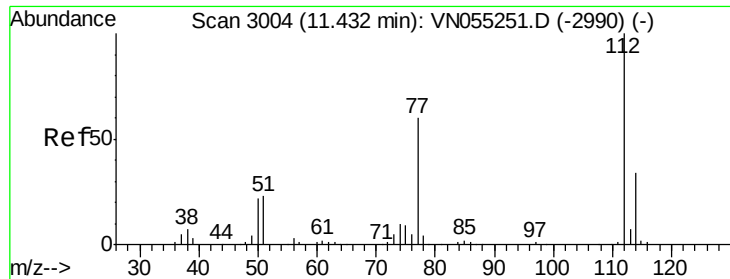


Abundance Ion 98.00 (97.70 to 98.70): VN055251.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN055251.D (-2572) (-)



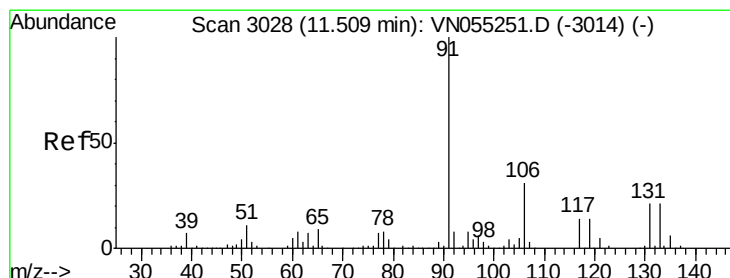
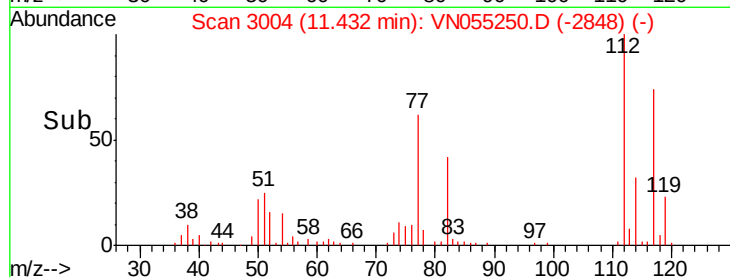
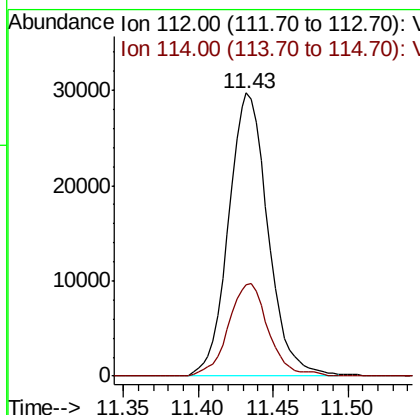
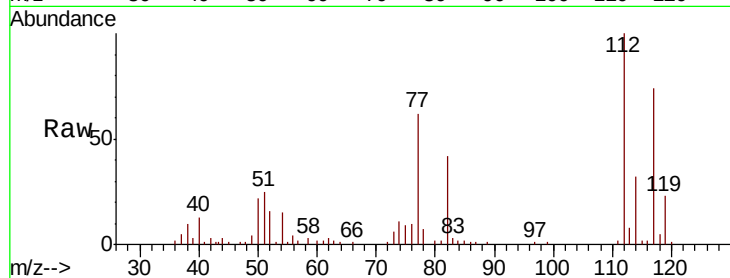
Time-->



#64
Chlorobenzene
Concen: 5.234 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

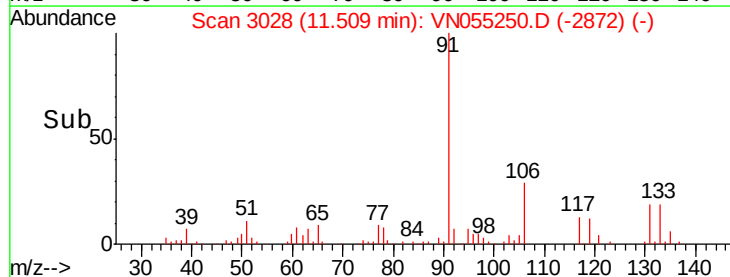
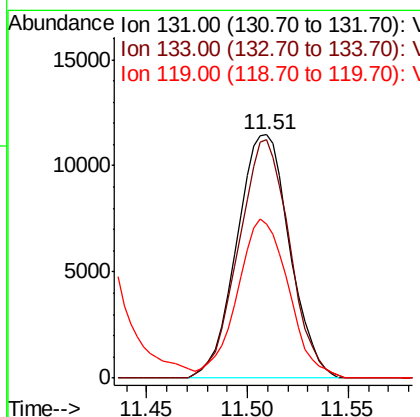
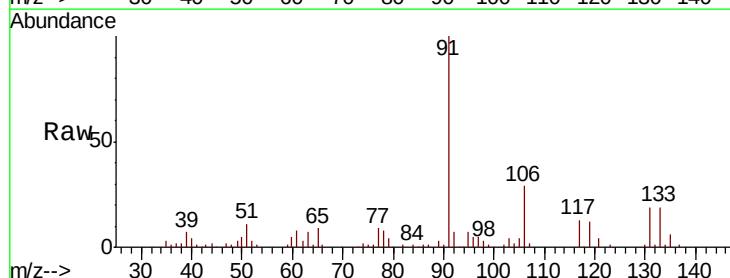
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

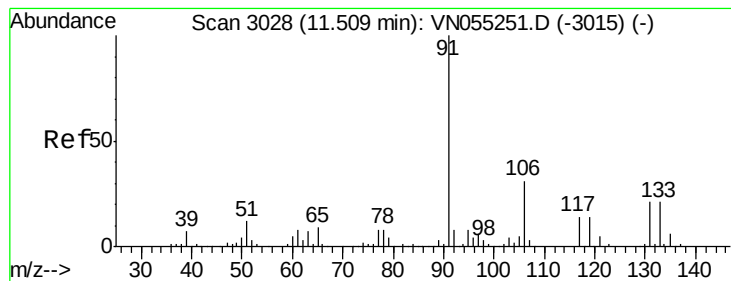
Tot Ion:112 Resp: 54500
Ion Ratio Lower Upper
112 100
114 32.4 26.9 40.3



#65
1,1,1,2-Tetrachloroethane
Concen: 5.589 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion:131 Resp: 20988
Ion Ratio Lower Upper
131 100
133 95.0 0.0 195.6
119 63.7 0.0 135.0





#66

Ethyl Benzene

Concen: 5.428 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampled :

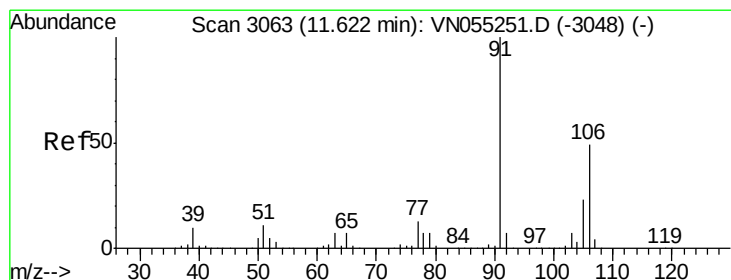
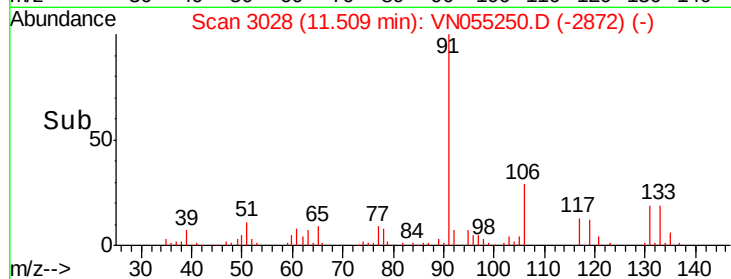
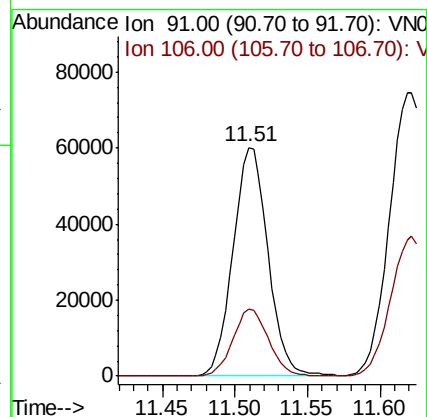
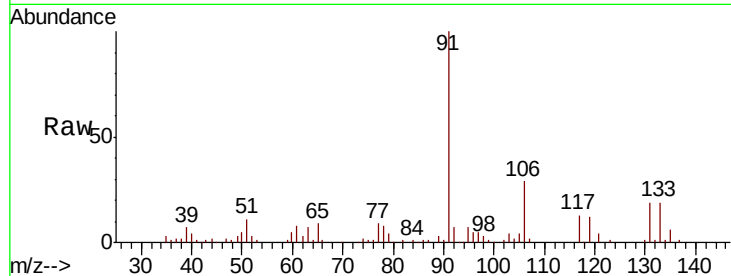
VSTDIC005

Tot Ion: 91 Resp: 100618

Ion Ratio Lower Upper

91 100

106 29.5 24.5 36.7



#67

m/p-Xylenes

Concen: 10.169 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055250.D

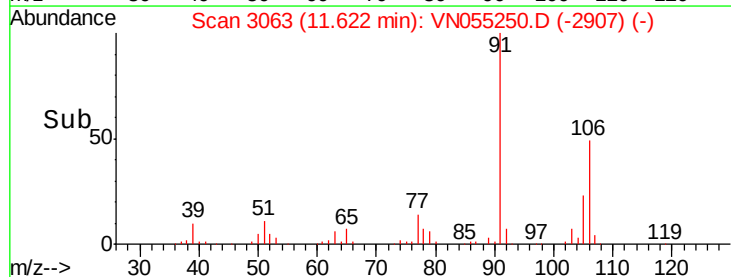
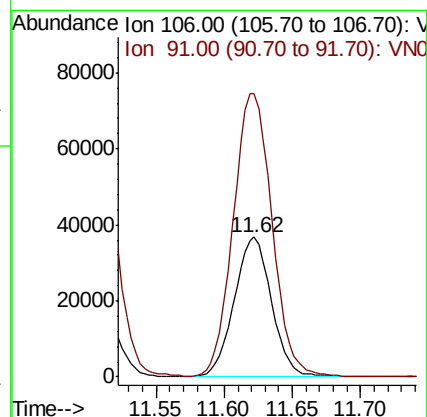
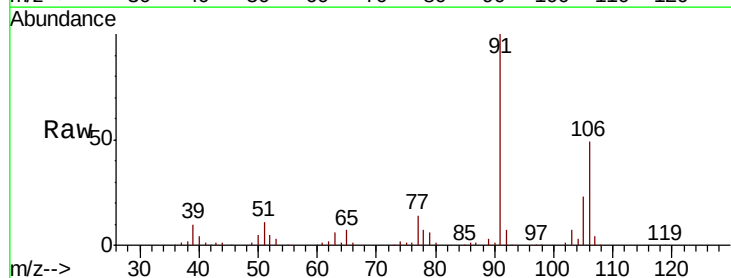
Acq: 25 Apr 2019 17:59

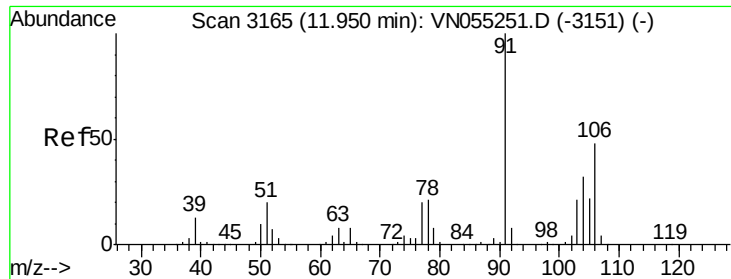
Tgt Ion: 106 Resp: 69930

Ion Ratio Lower Upper

106 100

91 211.2 165.4 248.2

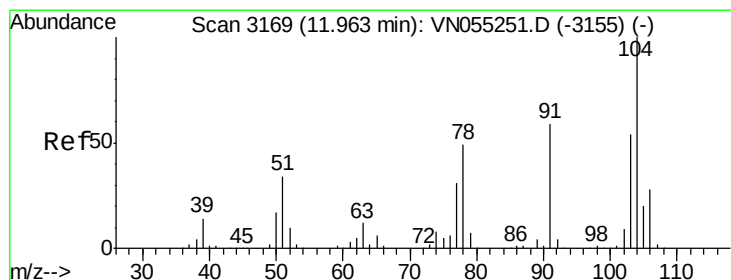
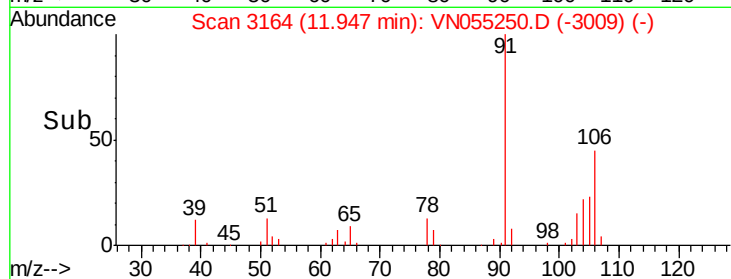
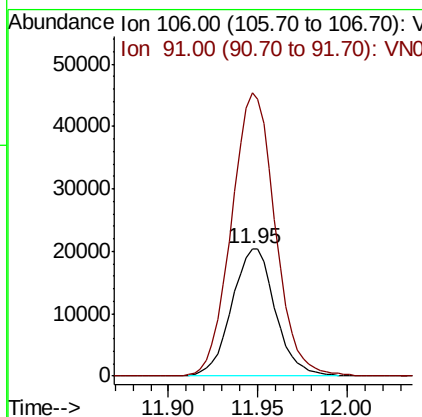
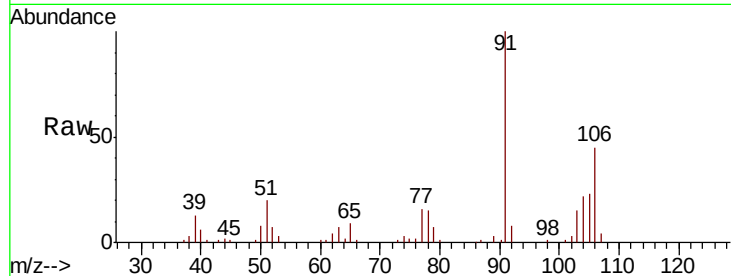




#68
o-Xylene
Concen: 5.075 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

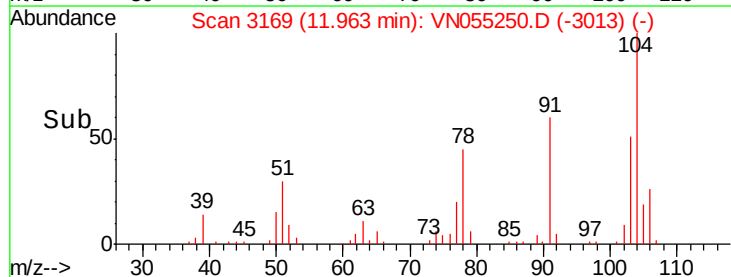
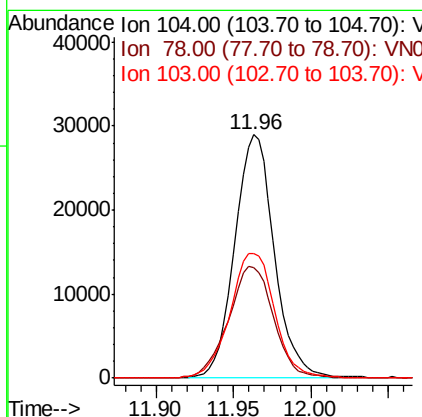
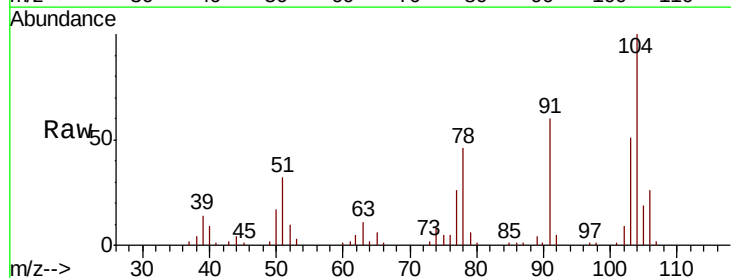
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

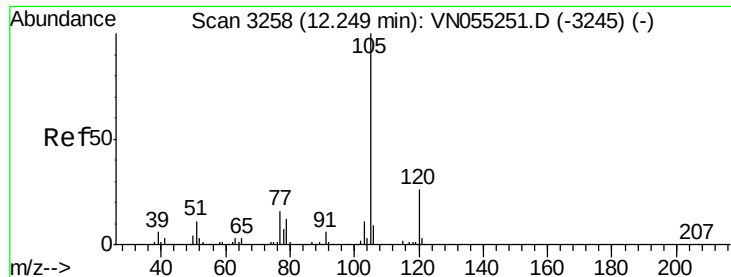
Tot Ion:106 Resp: 34743
Ion Ratio Lower Upper
106 100
91 223.4 106.8 320.4



#69
Styrene
Concen: 4.883 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion:104 Resp: 51510
Ion Ratio Lower Upper
104 100
78 52.4 42.4 63.6
103 57.9 45.3 67.9





#70

Isopropylbenzene

Concen: 5.020 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

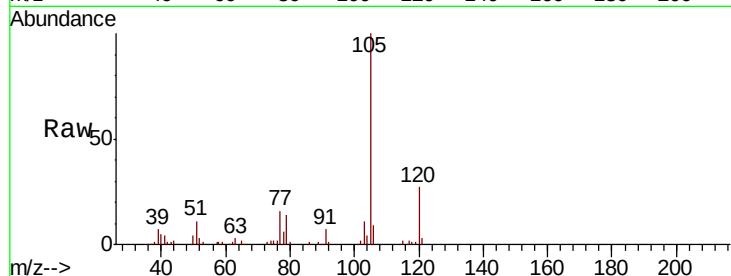
VSTDIC005

Tot Ion:105 Resp: 91236

Ion Ratio Lower Upper

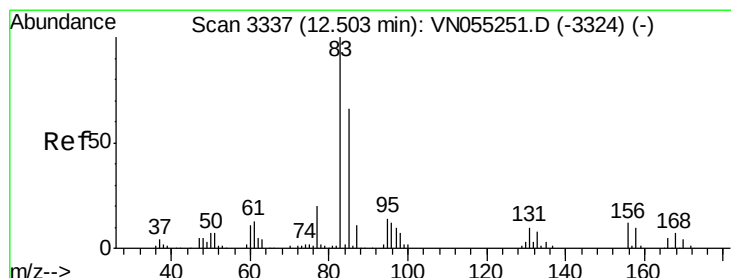
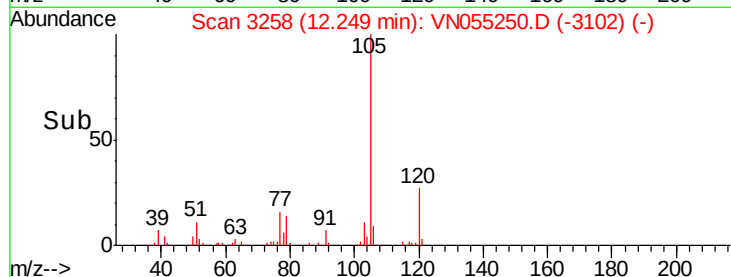
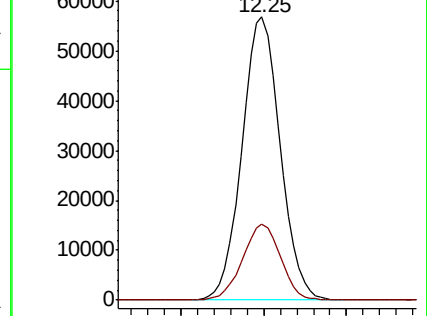
105 100

120 26.7 18.1 33.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 6.245 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

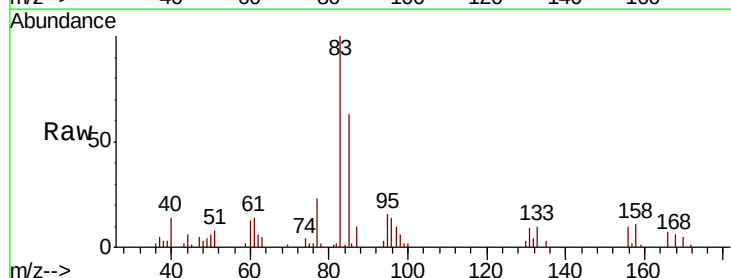
Tgt Ion: 83 Resp: 27004

Ion Ratio Lower Upper

83 100

131 9.5 5.0 14.9

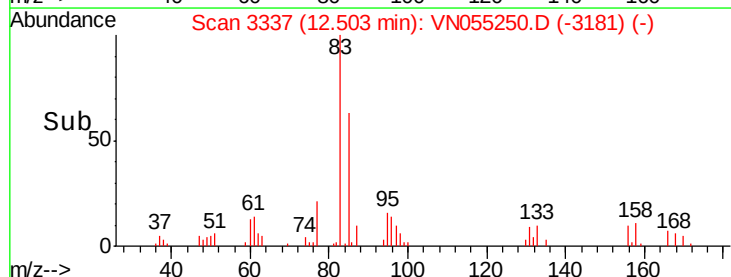
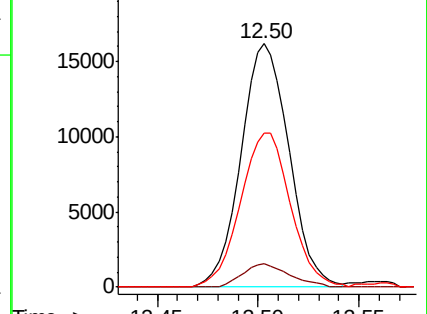
85 65.9 32.3 96.8

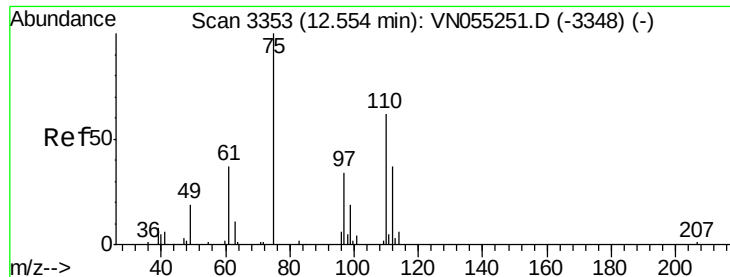


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): V





#72

1,2,3-Trichloropropane

Concen: 8.708 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

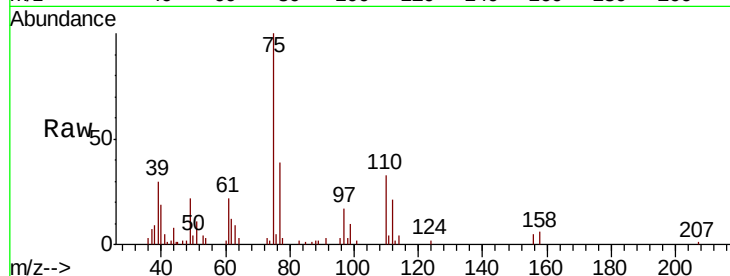
VSTDIC005

Tot Ion: 75 Resp: 31052

Ion Ratio Lower Upper

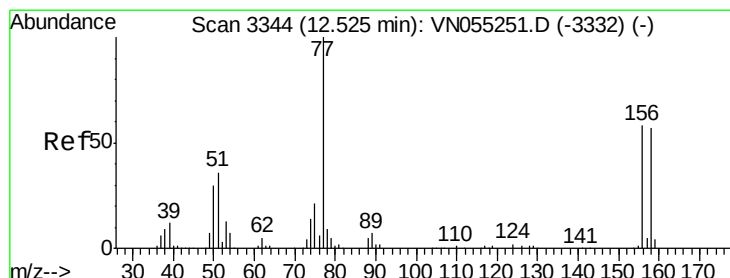
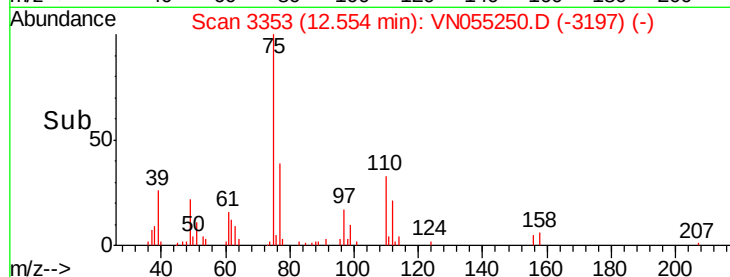
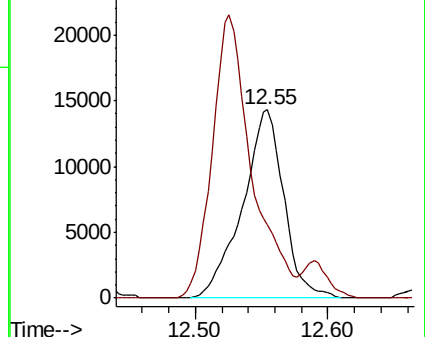
75 100

77 143.2 0.0 410.2



Abundance Ion 75.00 (74.70 to 75.70): VN055251.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055251.D (-3348) (-)



#73

Bromobenzene

Concen: 4.965 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

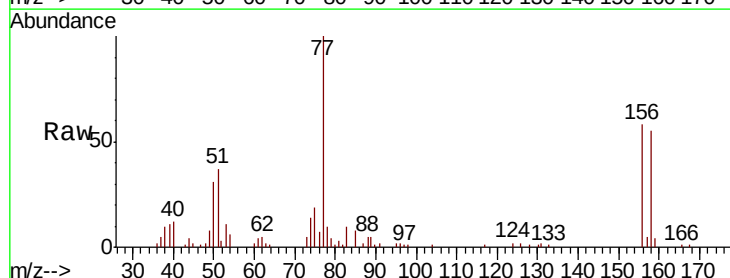
Tgt Ion: 156 Resp: 21298

Ion Ratio Lower Upper

156 100

77 208.8 0.0 403.2

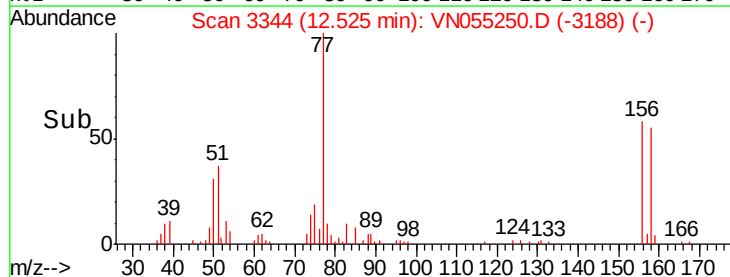
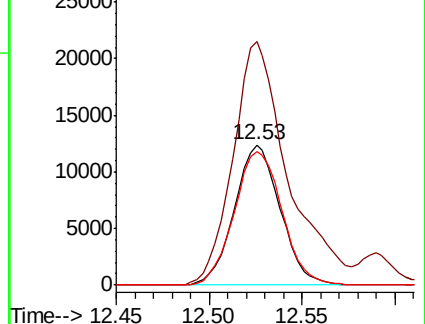
158 100.2 0.0 195.8

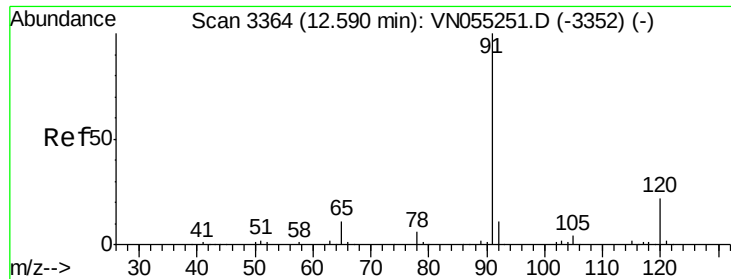


Abundance Ion 156.00 (155.70 to 156.70): VN055251.D (-3332) (-)

Ion 77.00 (76.70 to 77.70): VN055251.D (-3332) (-)

Ion 158.00 (157.70 to 158.70): VN055251.D (-3332) (-)





#74

n-propylbenzene

Concen: 4.765 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

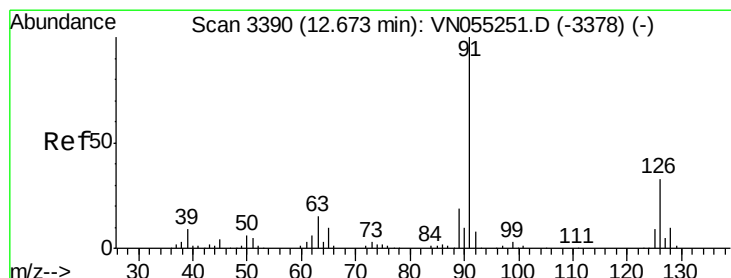
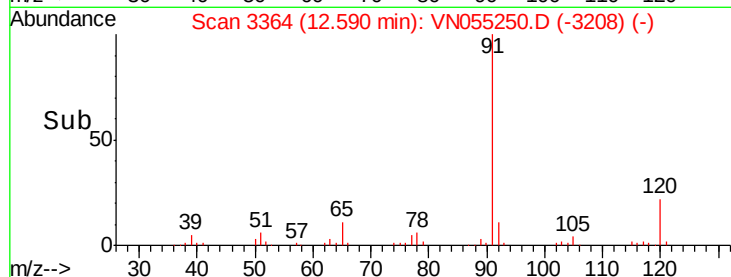
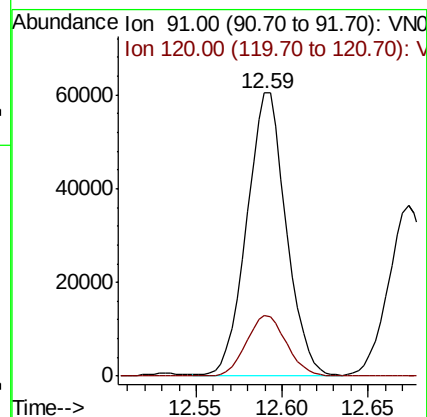
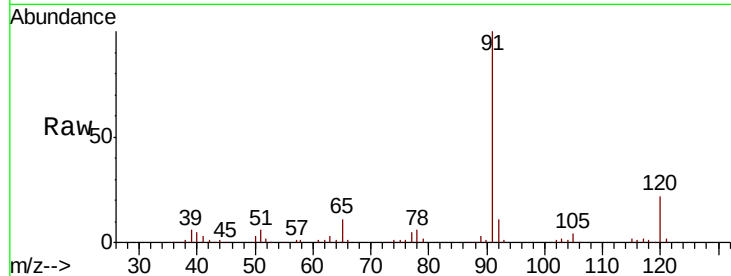
VSTDIC005

Tot Ion: 91 Resp: 96473

Ion Ratio Lower Upper

91 100

120 21.6 0.0 43.6



#75

2-Chlorotoluene

Concen: 5.009 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055250.D

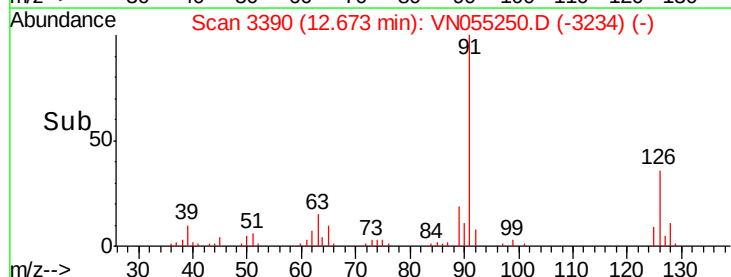
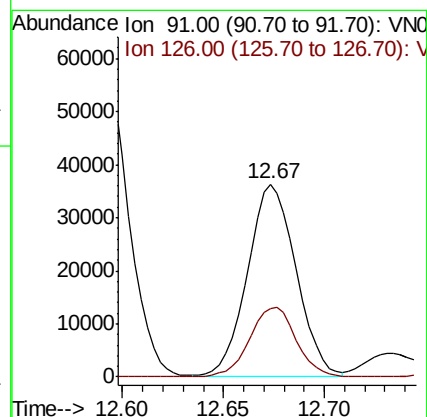
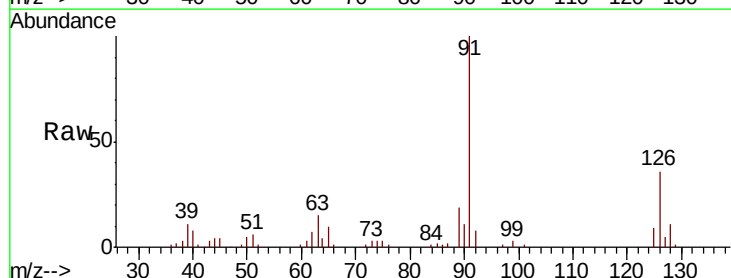
Acq: 25 Apr 2019 17:59

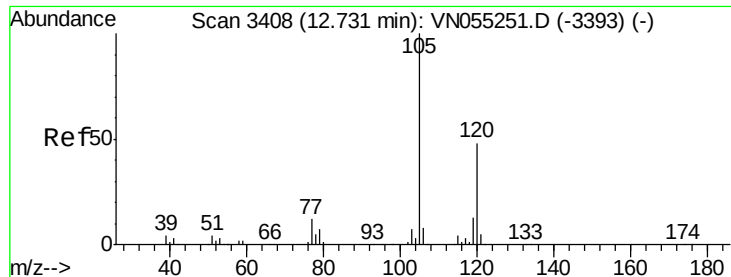
Tgt Ion: 91 Resp: 61474

Ion Ratio Lower Upper

91 100

126 34.5 0.0 65.8





#76

1,3,5-Trimethylbenzene

Concen: 5.076 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampled :

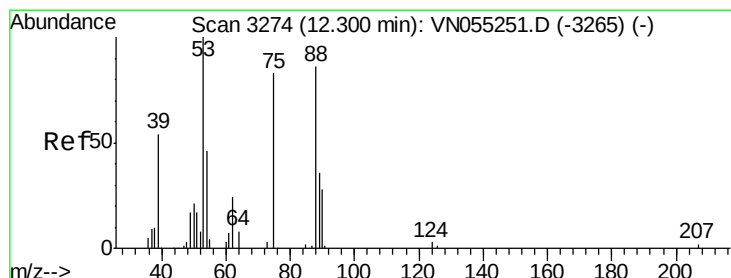
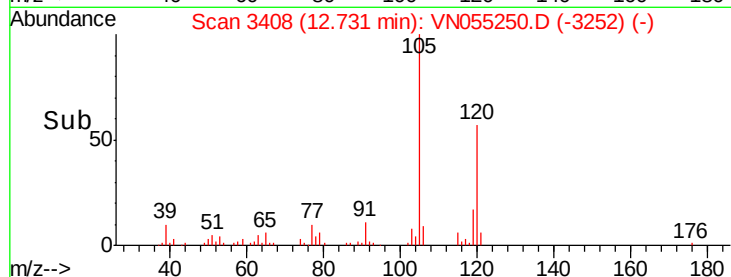
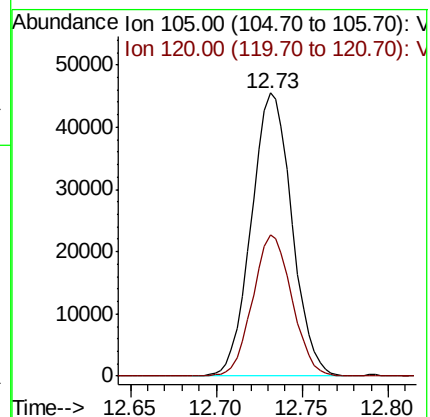
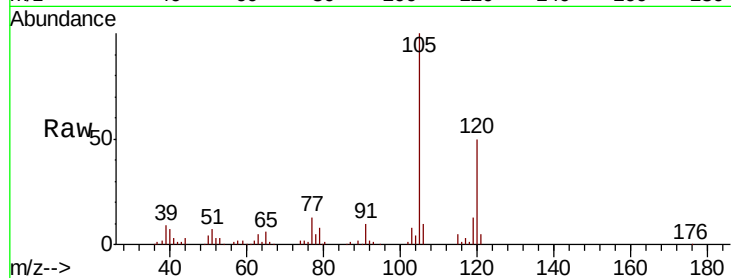
VSTDIC005

Tot Ion:105 Resp: 74384

Ion Ratio Lower Upper

105 100

120 48.2 0.0 94.8



#77

t-1,4-Dichloro-2-butene

Concen: 5.689 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

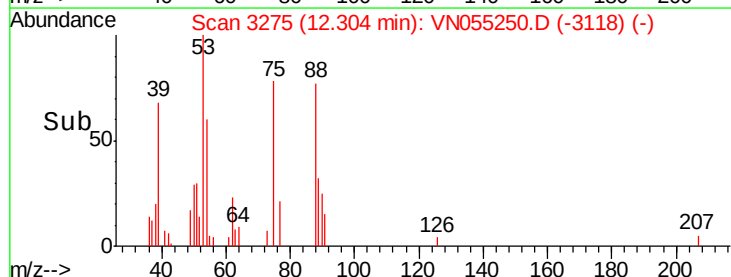
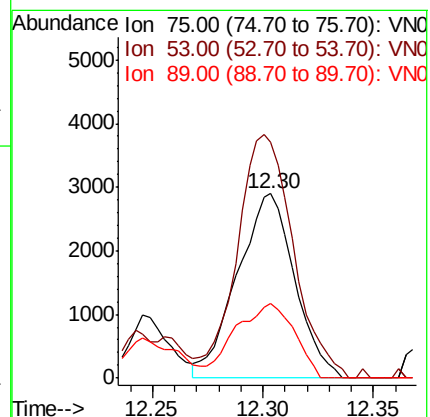
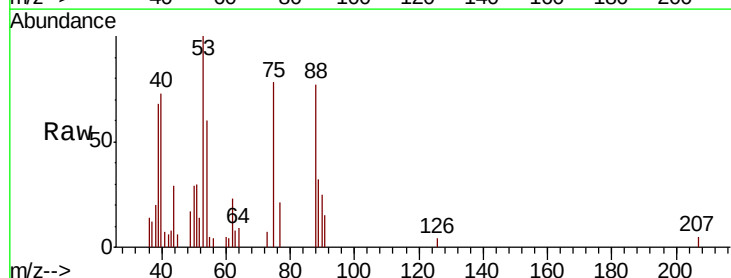
Tgt Ion: 75 Resp: 5238

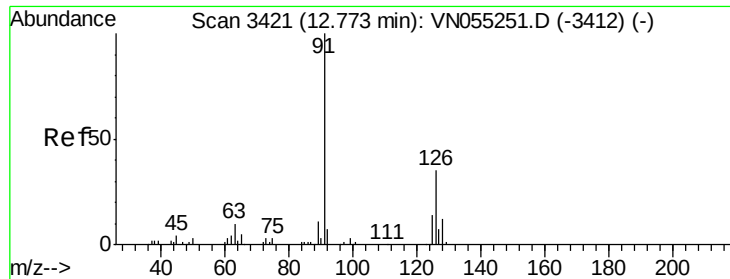
Ion Ratio Lower Upper

75 100

53 122.5 59.5 178.5

89 40.4 23.1 69.2

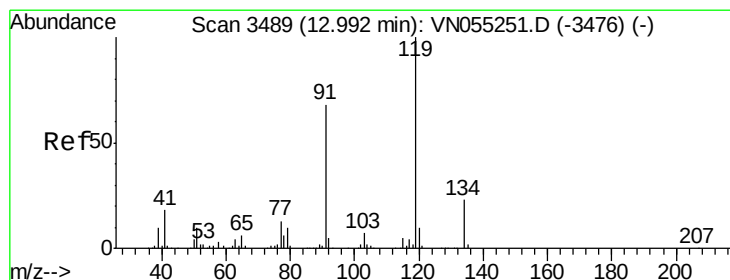
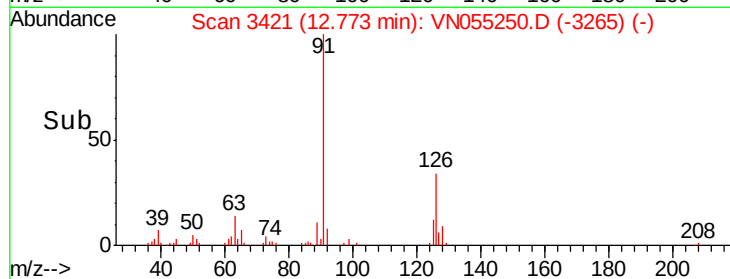
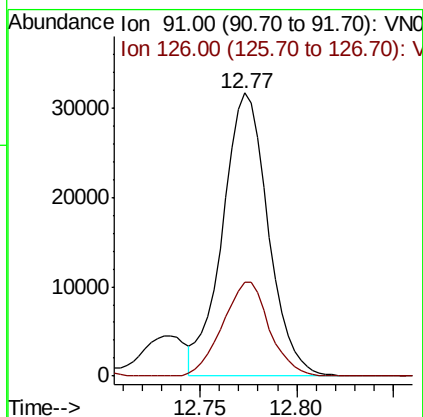
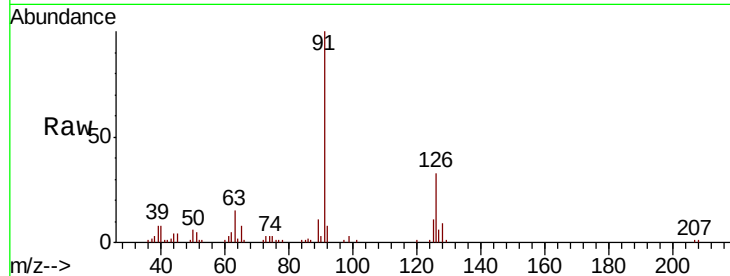




#78
4-Chlorotoluene
Concen: 4.441 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

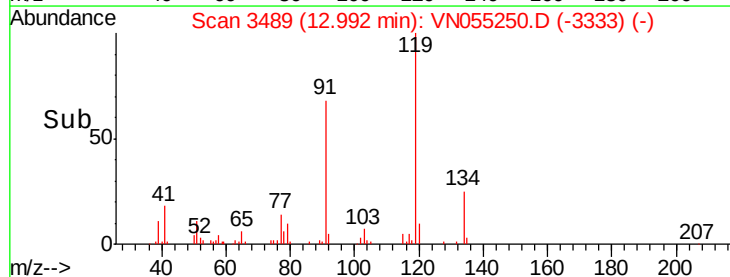
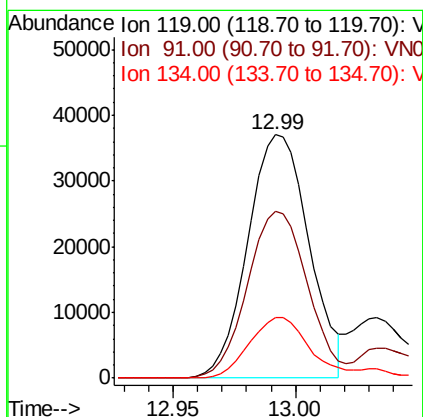
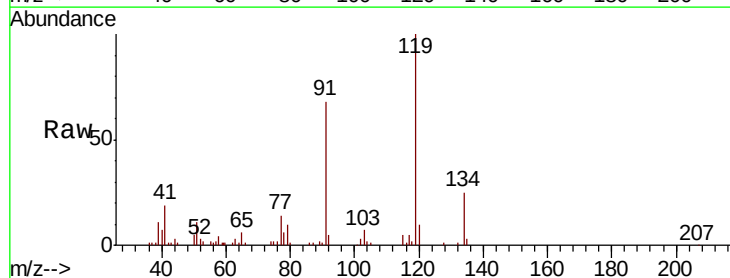
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

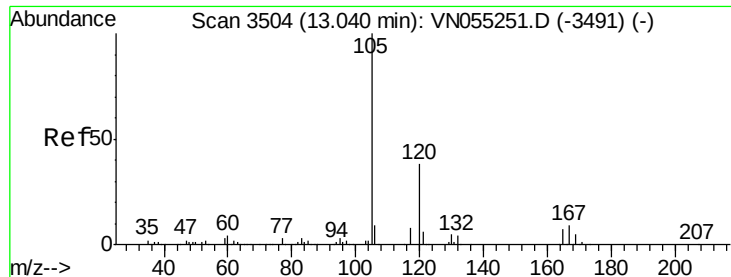
Tot Ion: 91 Resp: 51987
Ion Ratio Lower Upper
91 100
126 34.0 0.0 66.8



#79
tert-butylbenzene
Concen: 5.077 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion: 119 Resp: 64535
Ion Ratio Lower Upper
119 100
91 67.4 0.0 135.6
134 24.6 0.0 47.8

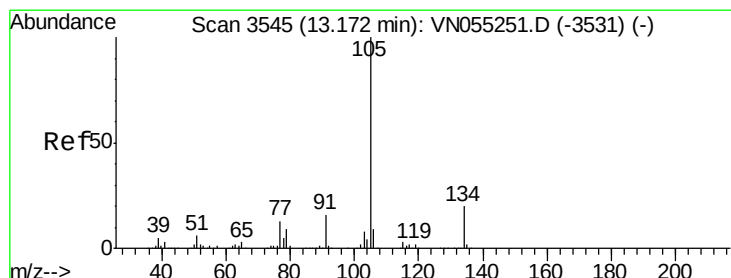
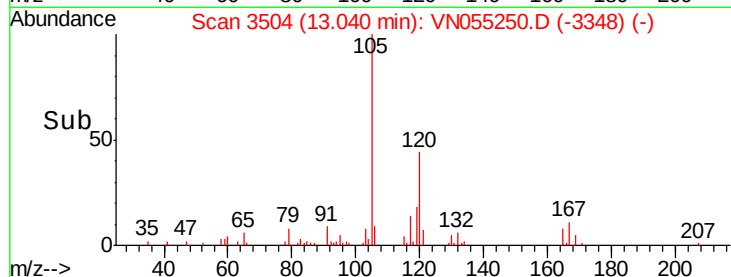
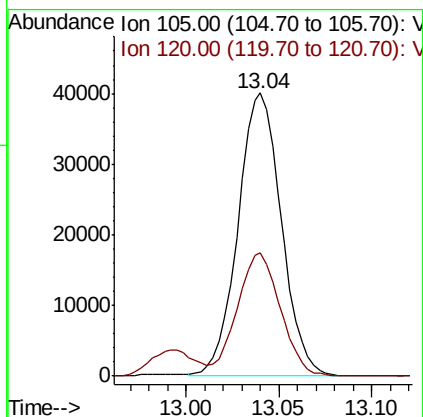
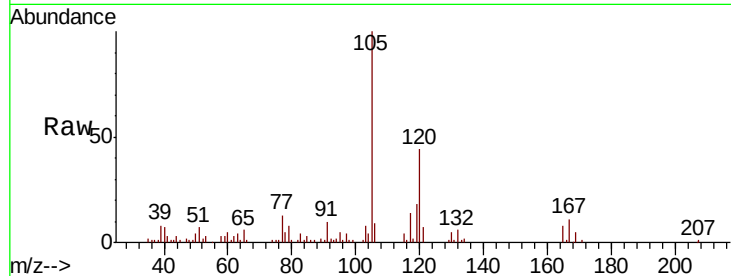




#80
 1,2,4-Trimethylbenzene
 Concen: 4.514 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

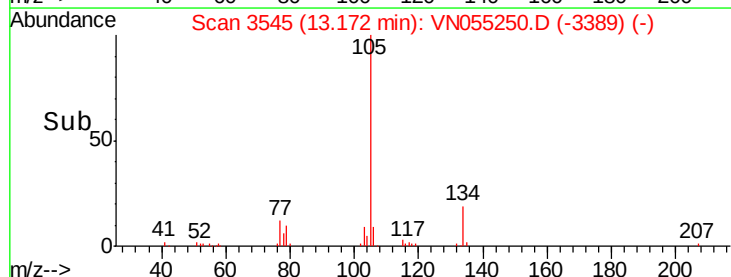
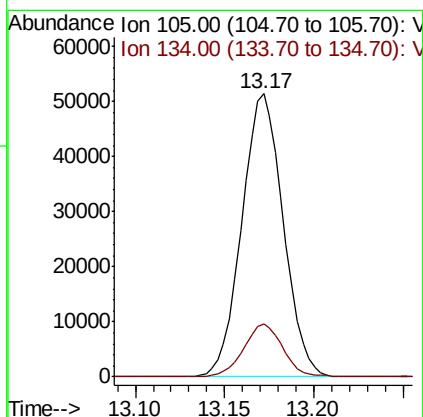
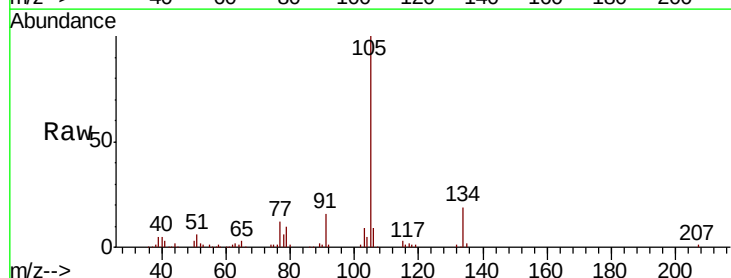
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

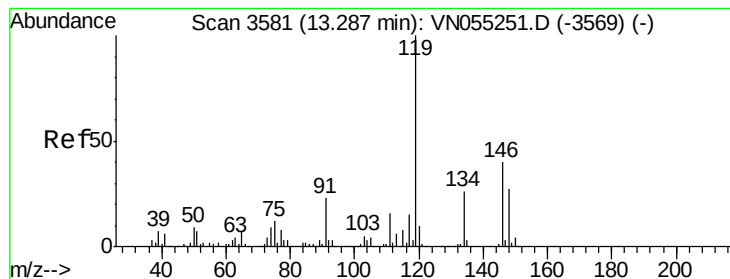
Tot Ion:105 Resp: 65251
 Ion Ratio Lower Upper
 105 100
 120 43.4 0.0 88.6



#81
 sec-Butylbenzene
 Concen: 4.918 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion:105 Resp: 83133
 Ion Ratio Lower Upper
 105 100
 134 17.7 0.0 39.8





#82

p-Isopropyltoluene

Concen: 4.631 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

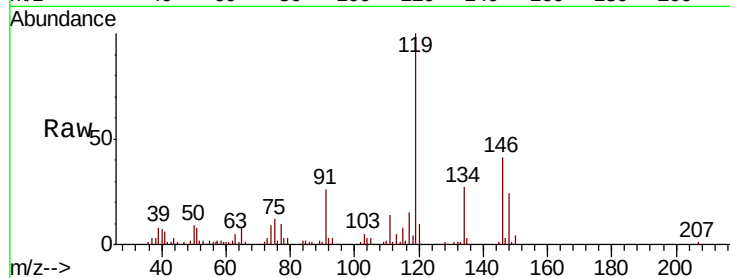
Tot Ion:119 Resp: 65683

Ion Ratio Lower Upper

119 100

134 25.8 0.0 53.2

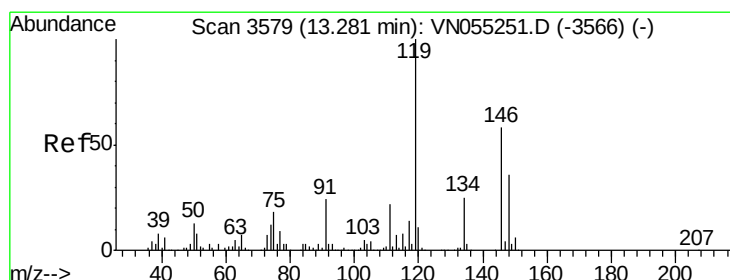
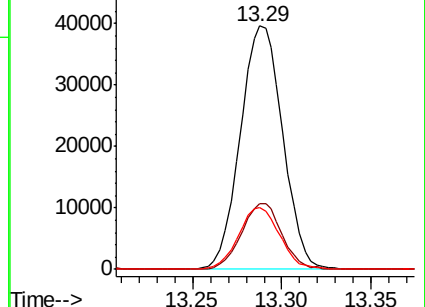
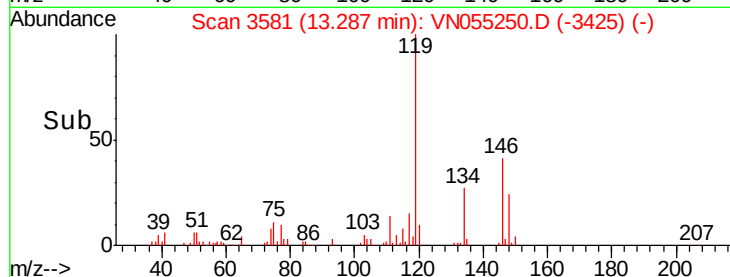
91 24.8 0.0 47.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#83

1,3-Dichlorobenzene

Concen: 4.192 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

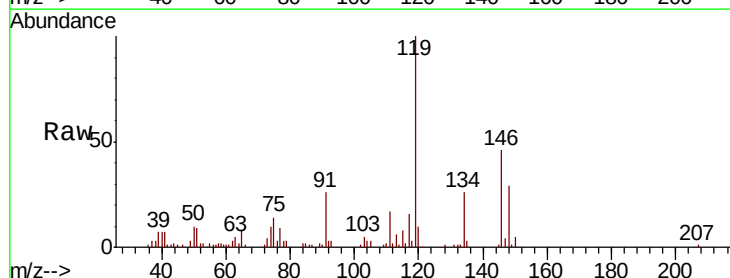
Tgt Ion:146 Resp: 29803

Ion Ratio Lower Upper

146 100

111 36.6 19.9 59.7

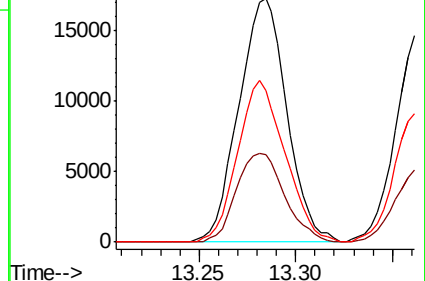
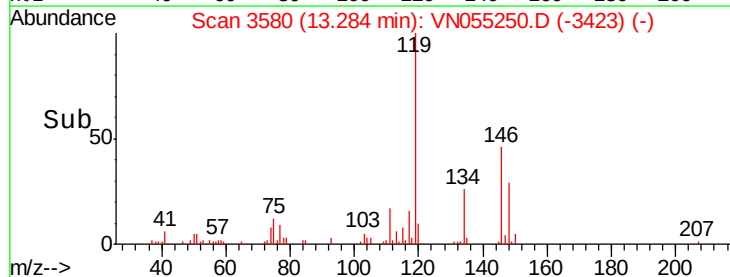
148 65.4 32.8 98.3

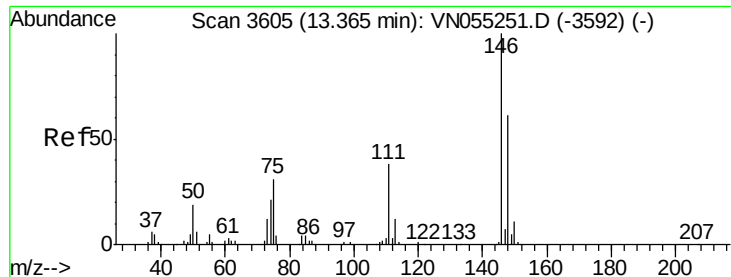


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#84

1,4-Dichlorobenzene

Concen: 3.724 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

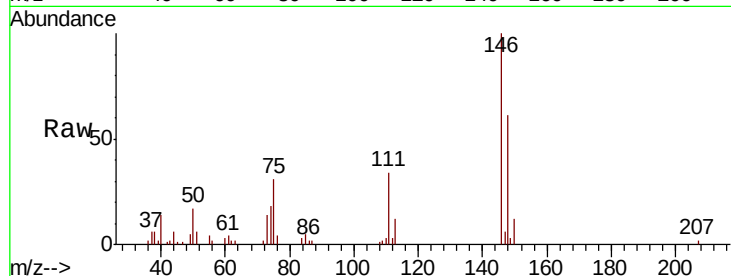
Tot Ion:146 Resp: 25170

Ion Ratio Lower Upper

146 100

111 36.6 18.9 56.5

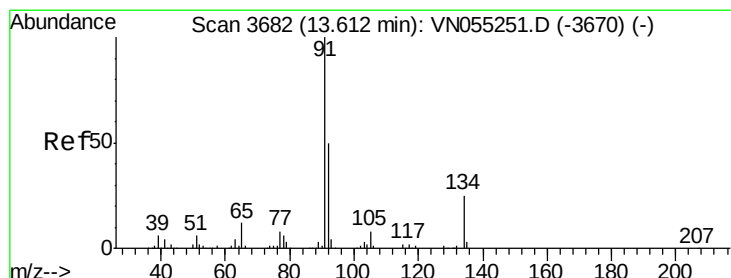
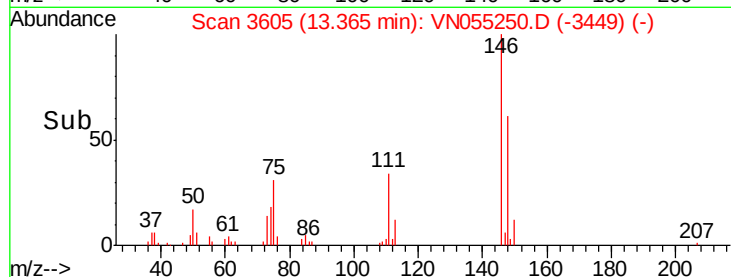
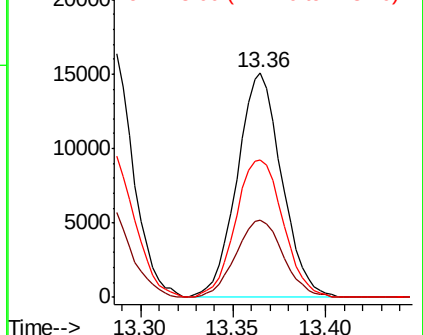
148 65.2 31.4 94.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 3.474 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

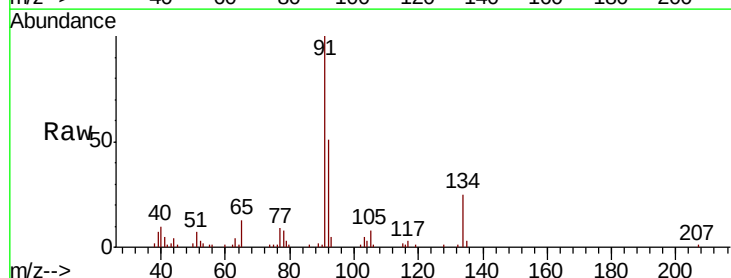
Tgt Ion: 91 Resp: 38799

Ion Ratio Lower Upper

91 100

92 53.5 0.0 102.8

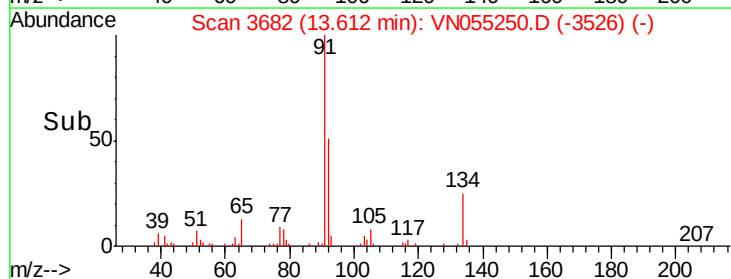
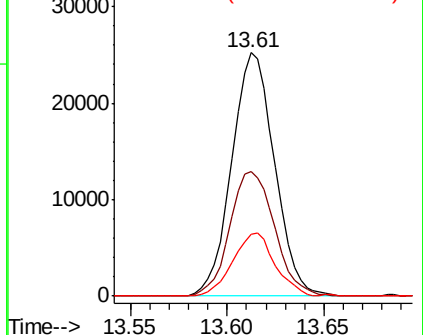
134 25.5 0.0 50.0

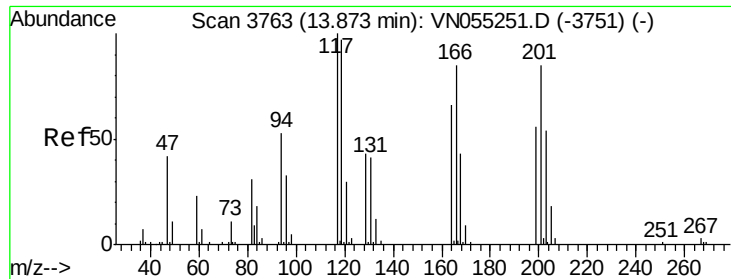


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 4.813 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

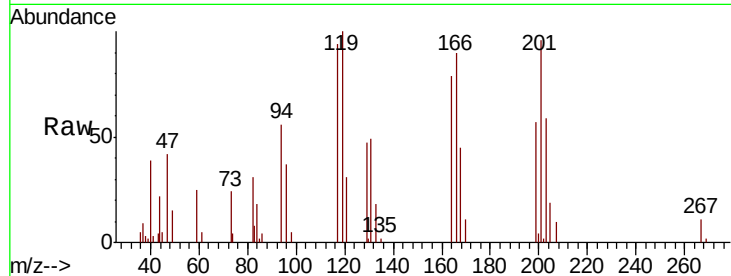
VSTDIC005

Tot Ion:117 Resp: 11098

Ion Ratio Lower Upper

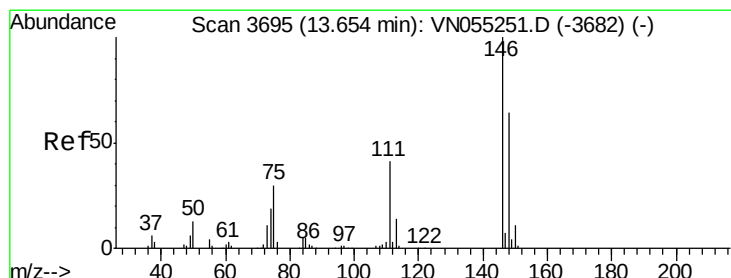
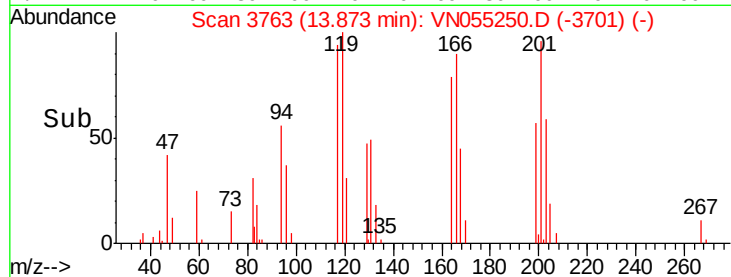
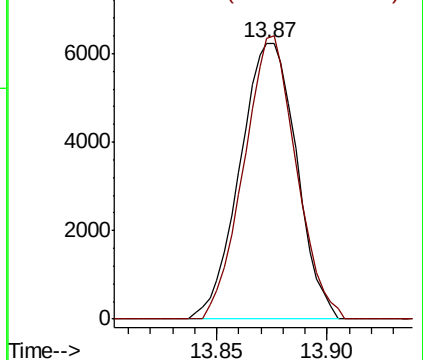
117 100

201 94.6 44.5 133.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 4.450 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

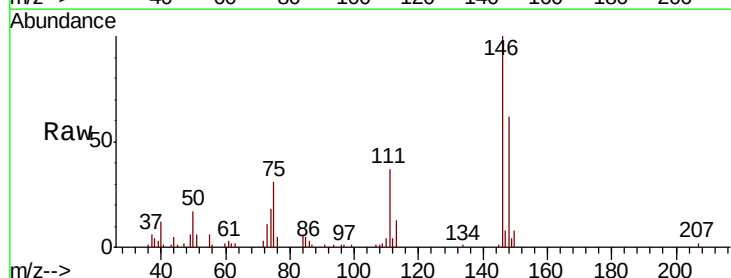
Tgt Ion:146 Resp: 31158

Ion Ratio Lower Upper

146 100

111 39.0 20.8 62.2

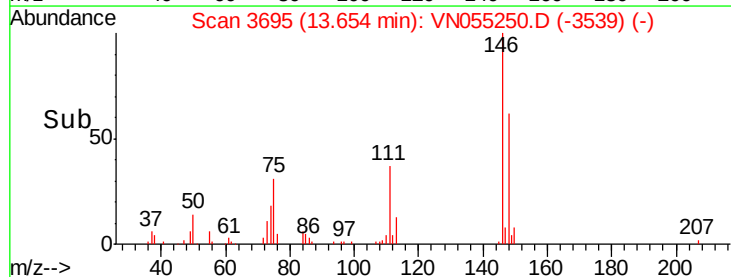
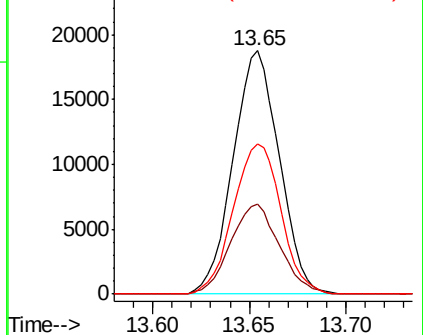
148 63.7 31.9 95.5

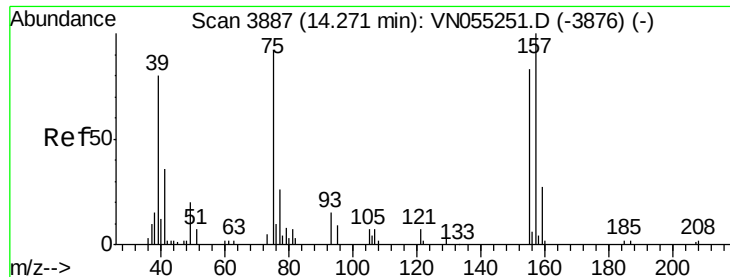


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#88

1,2-Dibromo-3-Chloropropane

Concen: 5.985 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.01 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

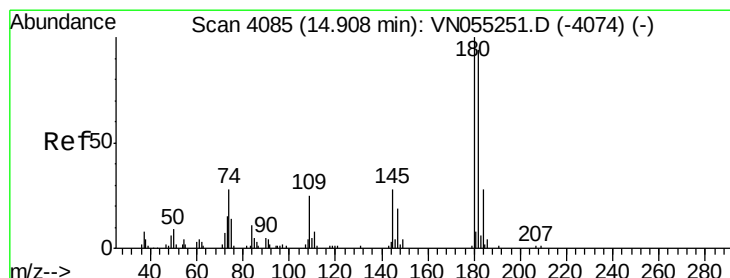
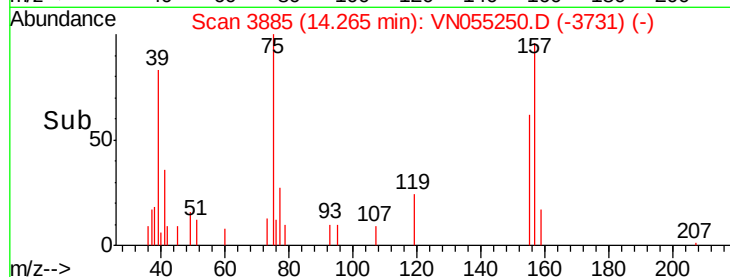
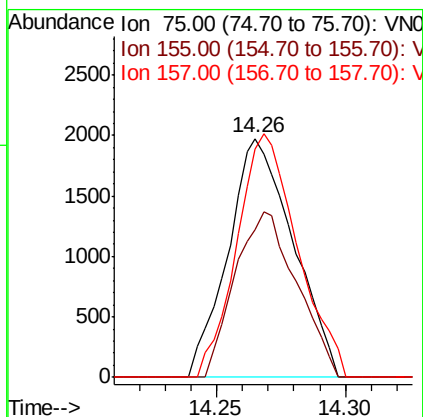
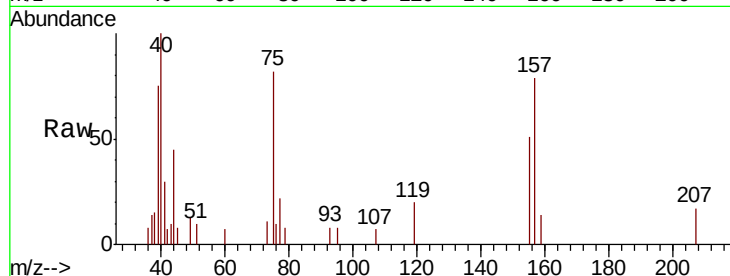
Tot Ion: 75 Resp: 3480

Ion Ratio Lower Upper

75 100

155 65.9 70.4 105.6#

157 95.2 88.5 132.7



#89

1,2,4-Trichlorobenzene

Concen: 2.458 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

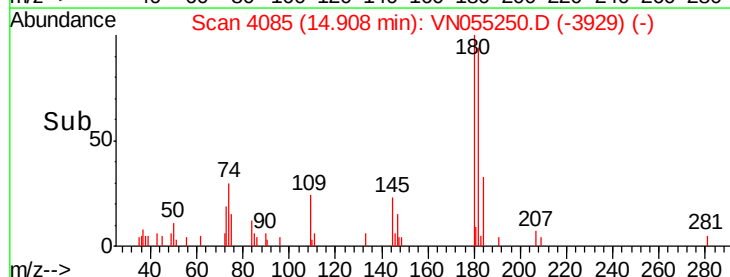
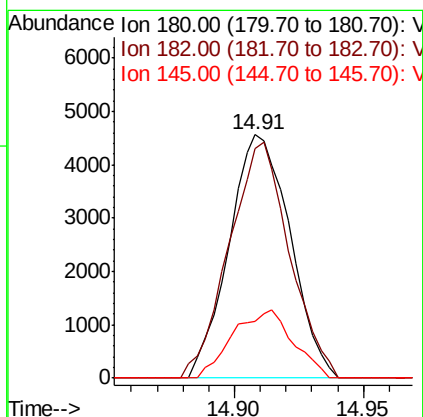
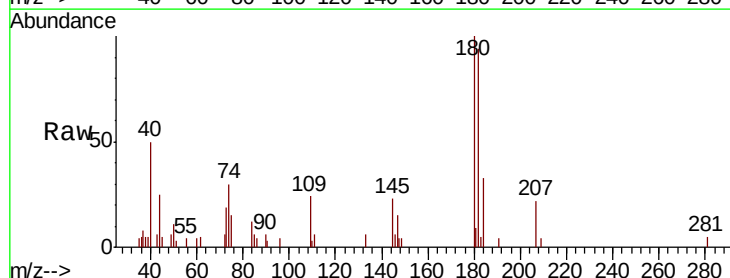
Tgt Ion: 180 Resp: 7515

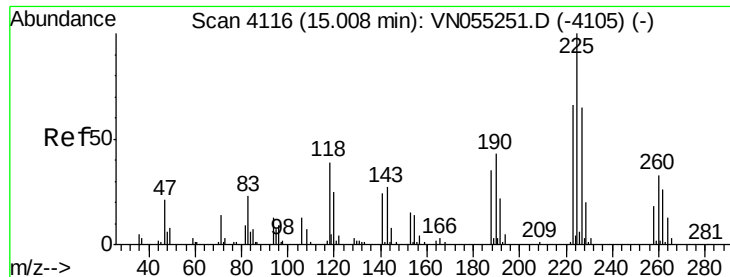
Ion Ratio Lower Upper

180 100

182 95.7 74.8 112.2

145 27.6 23.2 34.8





#90

Hexachlorobutadiene

Concen: 5.148 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

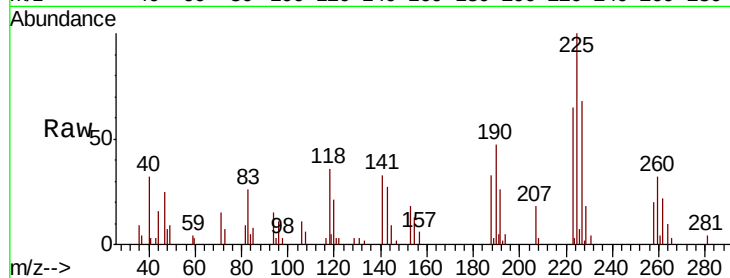
Tot Ion:225 Resp: 11683

Ion Ratio Lower Upper

225 100

223 67.9 0.0 125.2

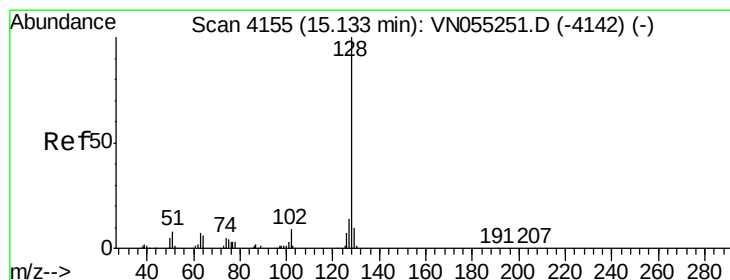
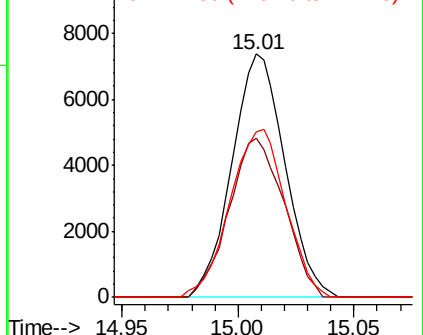
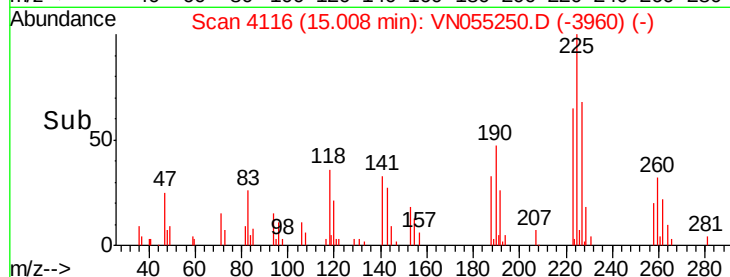
227 72.8 0.0 128.4



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 2.786 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

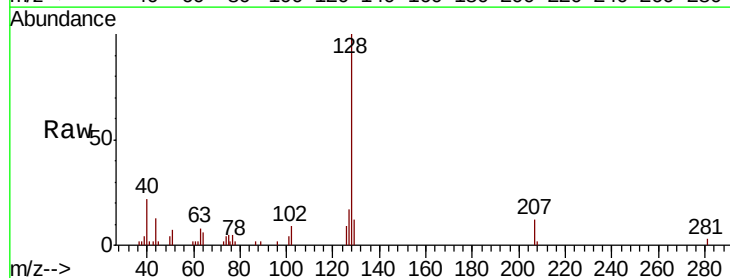
Tgt Ion:128 Resp: 18176

Ion Ratio Lower Upper

128 100

127 14.0 10.6 16.0

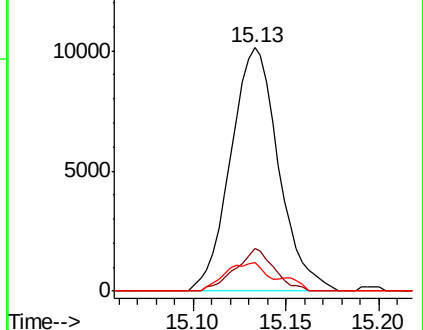
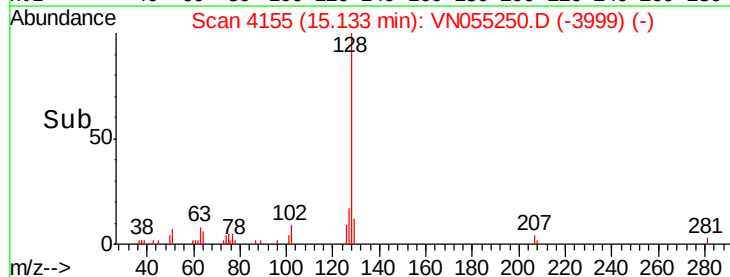
129 9.9 8.0 12.0

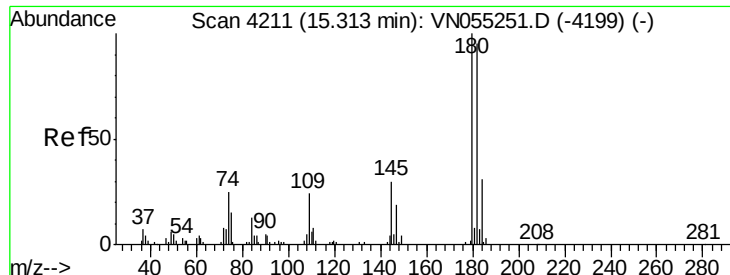


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

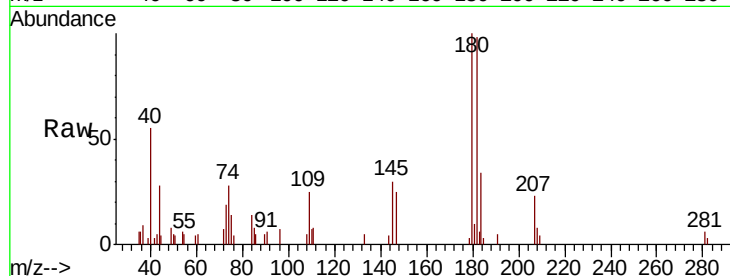




#92
 1,2,3-Trichlorobenzene
 Concen: 2.820 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 8679
 Ion Ratio Lower Upper
 180 100
 182 99.2 0.0 188.0
 145 30.8 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

