

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056684.D
 Acq On : 12 Jul 2019 12:29
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 12 23:45:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53174	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	290266	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	248851	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	108296	29.72	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.07%
60) 4-Bromofluorobenzene	12.40	95	105889	27.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.93%
63) Toluene-d8	10.09	98	349066	30.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	13002	4.703	ug/l 100
3) Chloromethane	2.06	50	18556	4.701	ug/l 98
4) Vinyl Chloride	2.18	62	18779	5.001	ug/l 96
5) Bromomethane	2.55	94	13512	6.632	ug/l 93
6) Chloroethane	2.69	64	11297	5.418	ug/l 95
7) Trichlorofluoromethane	3.00	101	24961	5.190	ug/l 98
8) Diethyl Ether	3.40	74	10470	5.200	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	16430	5.406	ug/l 90
10) 1,1-Dichloroethene	3.73	96	15555	5.252	ug/l 92
11) Methyl Iodide	3.95	142	15399	3.657	ug/l 99
12) Methyl Acetate	4.33	43	28066	7.070	ug/l 97
13) Acrolein	3.61	56	10687	29.526	ug/l 97
14) Acrylonitrile	4.99	53	46224	26.445	ug/l 98
15) Acetone	3.82	58	13734	25.697	ug/l 94
16) Carbon Disulfide	4.05	76	39361	5.393	ug/l 99
17) Allyl chloride	4.32	41	26909	5.181	ug/l 97
18) Methylene Chloride	4.55	84	19068	5.438	ug/l 89
19) trans-1,2-Dichloroethene	5.03	96	16673	5.185	ug/l 90
20) Diisopropyl ether	5.96	45	54470	5.117	ug/l 98
21) 1,1-Dichloroethane	5.85	63	31550	5.244	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	19996	5.295	ug/l 98
23) tert-Butyl Alcohol	4.79	59	15674	23.915	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	50006	5.131	ug/l 98
25) Chloroform	7.37	83	31112	5.265	ug/l 98
26) Cyclohexane	7.65	56	28297	5.068	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	23200	5.261	ug/l 97
30) 2-Butanone	6.84	43	64230	25.874	ug/l 99
31) 2,2-Dichloropropane	6.82	77	21432	5.052	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	24088	5.141	ug/l 100
33) Carbon Tetrachloride	7.77	117	19962	4.990	ug/l 99
34) Benzene	8.04	78	71719	5.223	ug/l # 67
35) Methacrylonitrile	7.18	41	10718	5.242	ug/l 96
36) 1,2-Dichloroethane	8.13	62	24058	5.402	ug/l 99
37) Trichloroethene	8.84	130	19860	5.490	ug/l 99
38) Methylcyclohexane	9.08	83	28238	5.098	ug/l 99
39) 1,2-Dichloropropane	9.12	63	19271	5.228	ug/l 100
40) Dibromomethane	9.21	93	12605	5.503	ug/l 96

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 Data File : VN056684.D
 Acq On : 12 Jul 2019 12:29
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 12 23:45:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	21071	4.947	ug/l	97
42) Vinyl Acetate	5.90	43	200914	23.209	ug/l	100
43) Ethyl Acetate	6.93	43	24579	5.238	ug/l	99
44) Isopropyl Acetate	8.17	43	36812	5.045	ug/l #	88
45) 1,4-Dioxane	9.20	88	7219	99.596	ug/l	89
46) Methyl methacrylate	9.20	41	16667	4.641	ug/l	97
47) n-amyl Acetate	12.07	43	26333	4.355	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	22562	4.932	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	25209	4.794	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	18243	5.427	ug/l	97
51) Ethyl methacrylate	10.43	69	24805	4.717	ug/l	94
52) 1,3-Dichloropropane	10.71	76	29125	5.078	ug/l	100
53) Dibromochloromethane	10.90	129	16050	4.837	ug/l	99
54) 1,2-Dibromoethane	11.00	107	18062	5.148	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	59693	22.477	ug/l	99
56) Bromoform	12.12	173	11181	4.602	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	121182	26.674	ug/l	99
59) 2-Hexanone	10.75	43	87457	25.593	ug/l	99
61) Tetrachloroethene	10.63	164	19888	6.121	ug/l	95
62) Toluene	10.16	91	75579	5.339	ug/l	99
64) Chlorobenzene	11.43	112	45928	5.378	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	16199	5.228	ug/l	99
66) Ethyl Benzene	11.51	91	77762	5.060	ug/l	99
67) m/p-Xylenes	11.62	106	58389	10.235	ug/l	99
68) o-Xylene	11.95	106	29959	5.352	ug/l	93
69) Styrene	11.96	104	44986	4.834	ug/l	98
70) Isopropylbenzene	12.25	105	75850	5.174	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	25920	5.377	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	29113	7.199	ug/l	69
73) Bromobenzene	12.53	156	19305	5.100	ug/l	95
74) n-propylbenzene	12.59	91	79955	4.783	ug/l	100
75) 2-Chlorotoluene	12.67	91	51470	5.164	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	63466	5.081	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	5144	3.911	ug/l	81
78) 4-Chlorotoluene	12.77	91	45783	4.733	ug/l	100
79) tert-butylbenzene	12.99	119	55536	5.222	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	61682	4.998	ug/l	100
81) sec-Butylbenzene	13.17	105	71967	5.096	ug/l	100
82) p-Isopropyltoluene	13.29	119	61648	4.833	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	29972	4.751	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	26934	4.436	ug/l	97
85) n-Butylbenzene	13.61	91	45819	4.292	ug/l	99
86) Hexachloroethane	13.87	117	8809	4.541	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	31843	5.009	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	3644	4.243	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	14149	4.037	ug/l	98
90) Hexachlorobutadiene	15.01	225	12585	5.687	ug/l	95
91) Naphthalene	15.13	128	34219	3.546	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	17023	4.640	ug/l	99

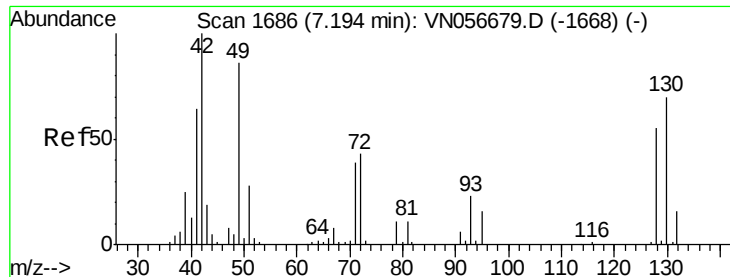
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
Data File : VN056684.D
Acq On : 12 Jul 2019 12:29
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jul 12 23:45:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:38:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

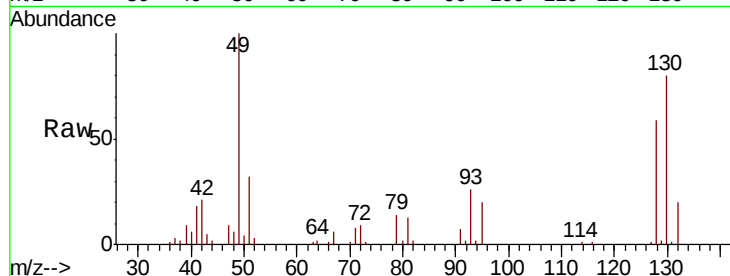
Tot Ion:128 Resp: 53174

Ion Ratio Lower Upper

128 100

49 156.9 0.0 390.5

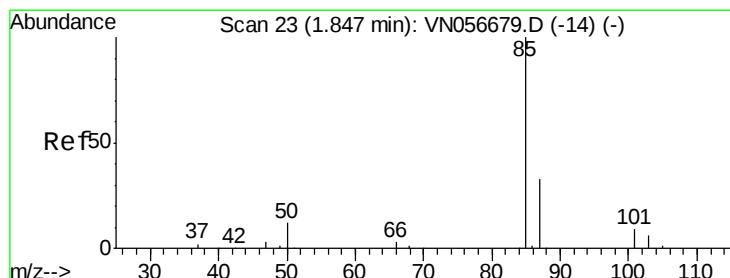
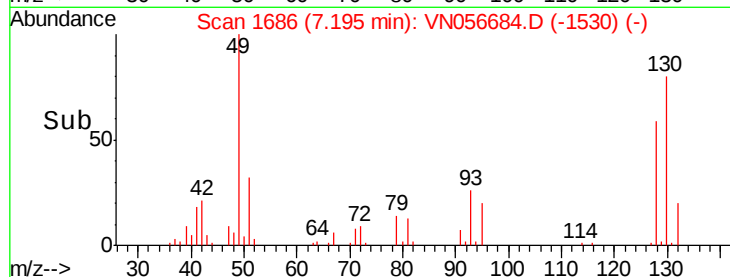
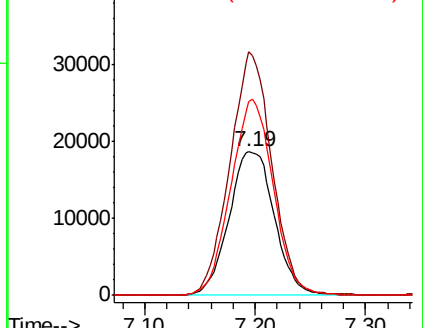
130 128.2 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.703 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056684.D

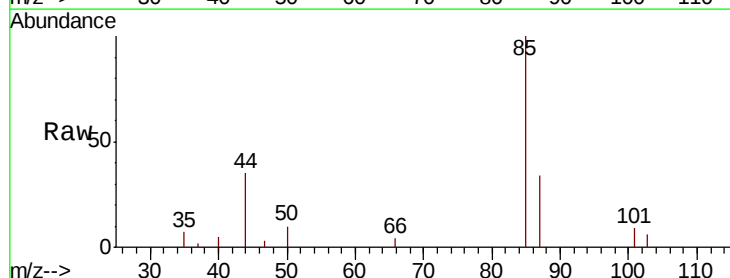
Acq: 12 Jul 2019 12:29

Tgt Ion: 85 Resp: 13002

Ion Ratio Lower Upper

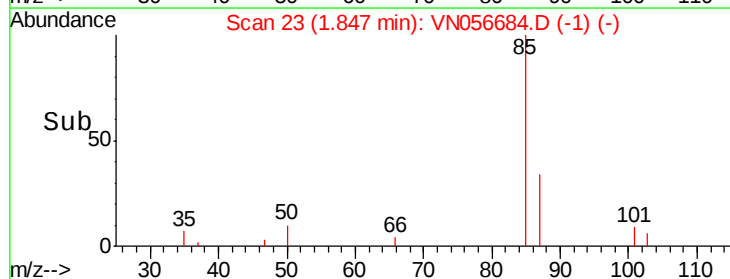
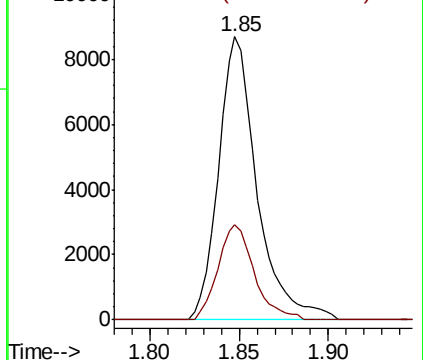
85 100

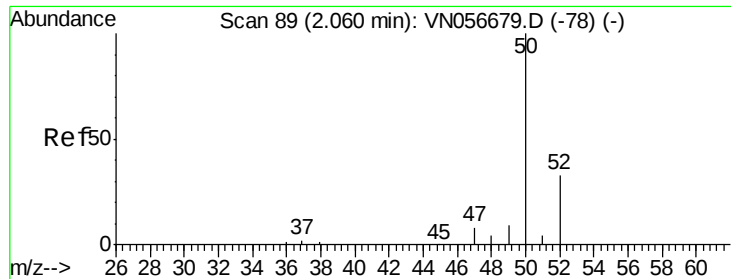
87 33.5 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 4.701 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

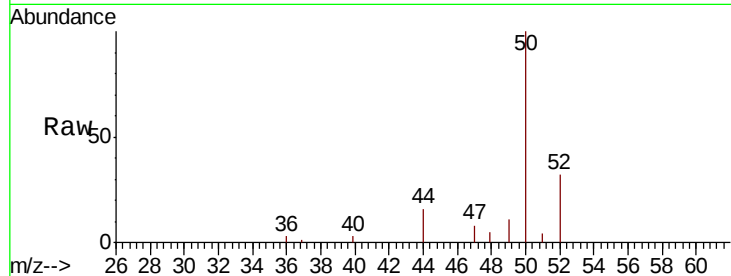
VSTDIC005

Tot Ion: 50 Resp: 18556

Ion Ratio Lower Upper

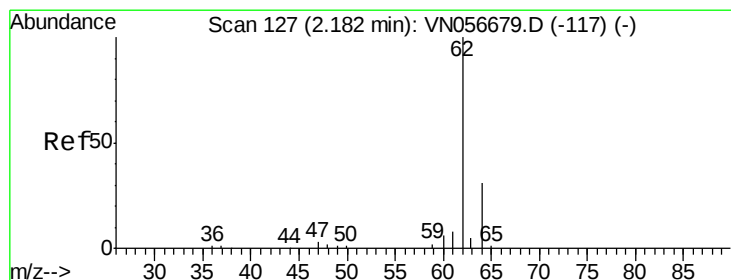
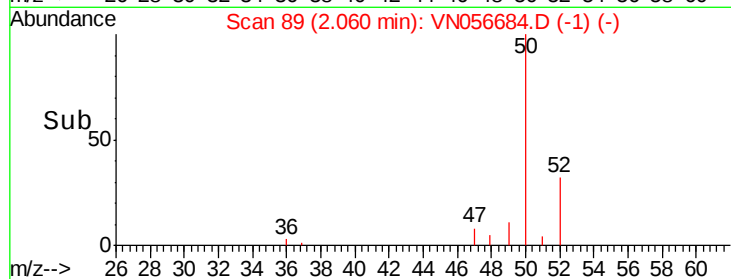
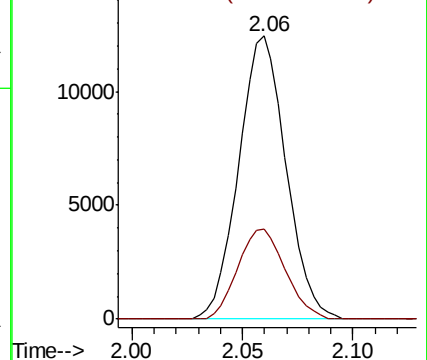
50 100

52 31.8 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 5.001 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056684.D

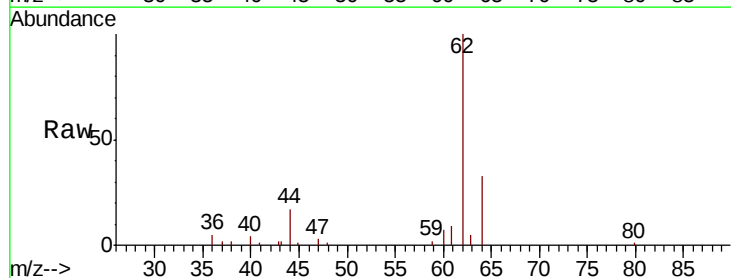
Acq: 12 Jul 2019 12:29

Tgt Ion: 62 Resp: 18779

Ion Ratio Lower Upper

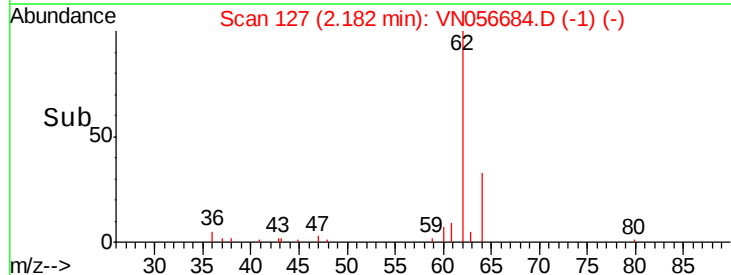
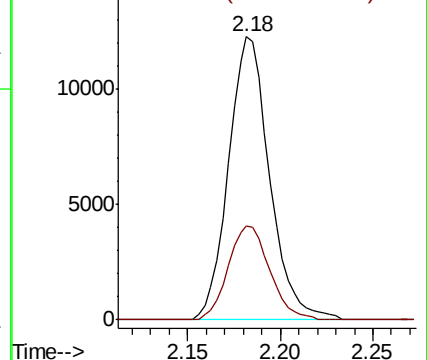
62 100

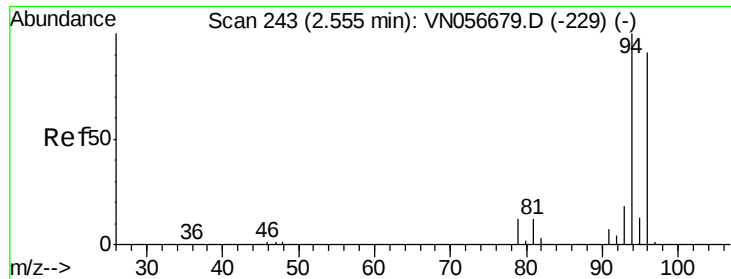
64 33.4 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 6.632 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.01 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

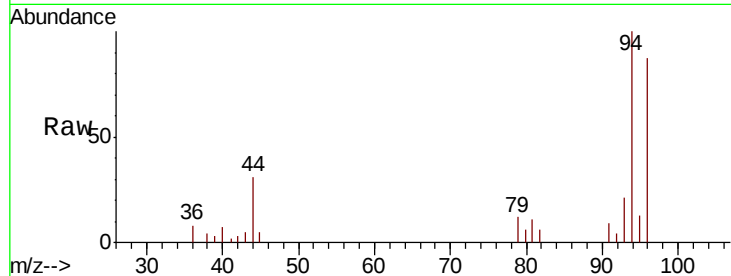
VSTDIC005

Tot Ion: 94 Resp: 13512

Ion Ratio Lower Upper

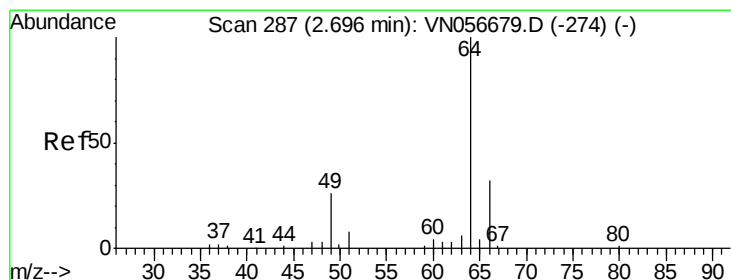
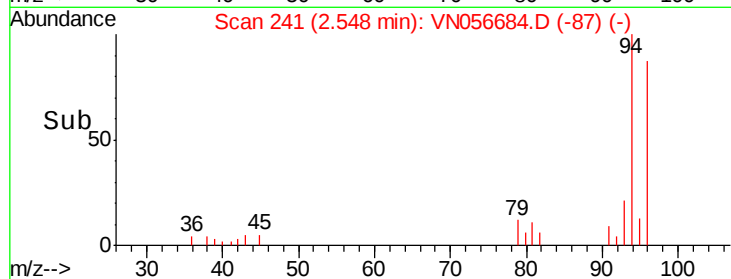
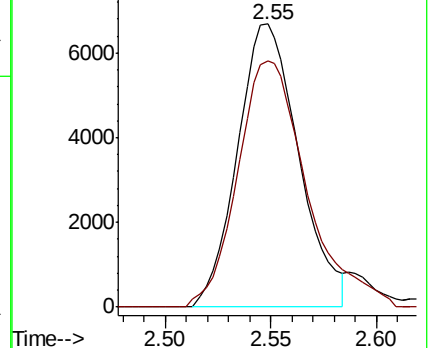
94 100

96 84.2 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 5.418 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.00 min

Lab File: VN056684.D

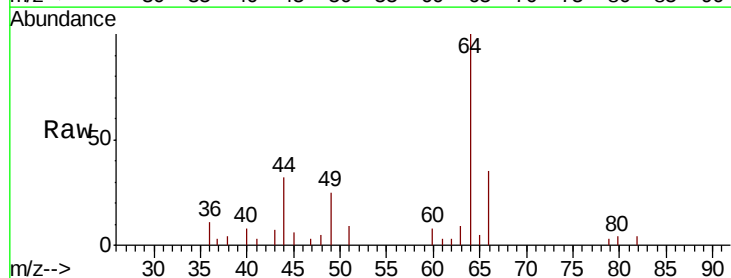
Acq: 12 Jul 2019 12:29

Tgt Ion: 64 Resp: 11297

Ion Ratio Lower Upper

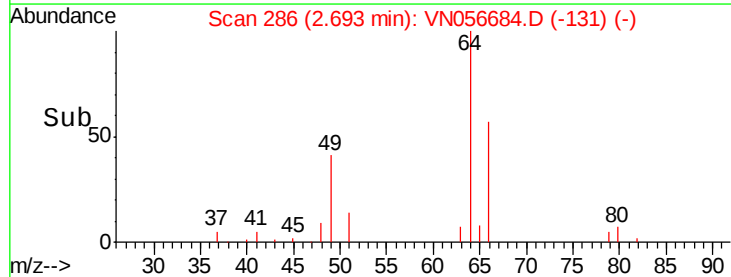
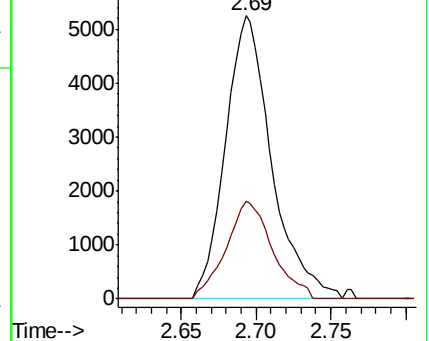
64 100

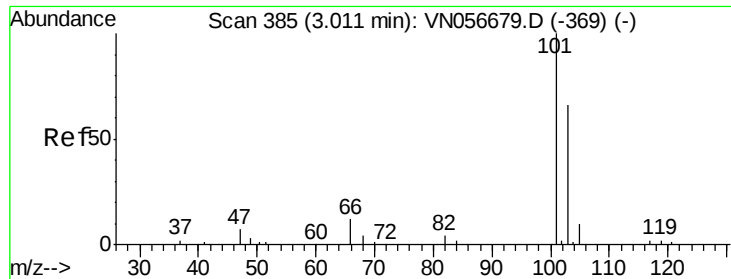
66 34.7 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



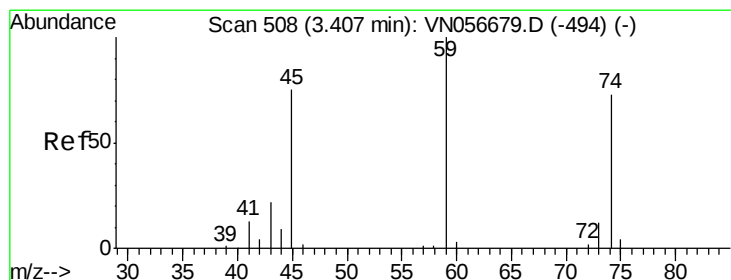
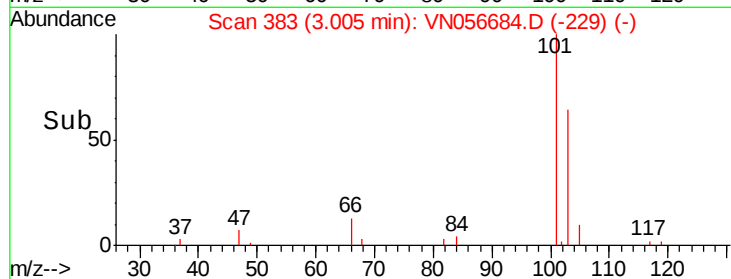
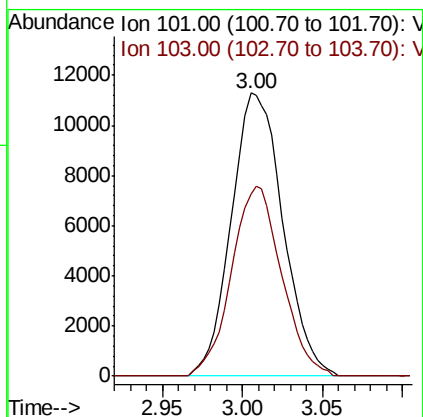
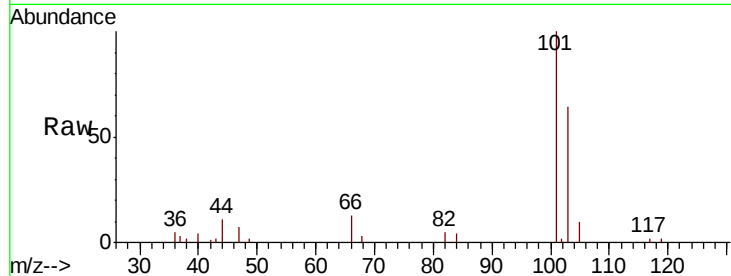


#7

Trichlorofluoromethane
 Concen: 5.190 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

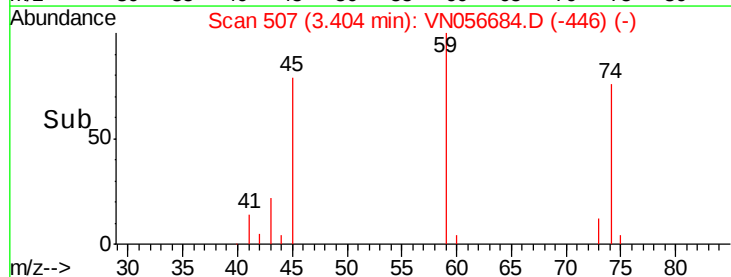
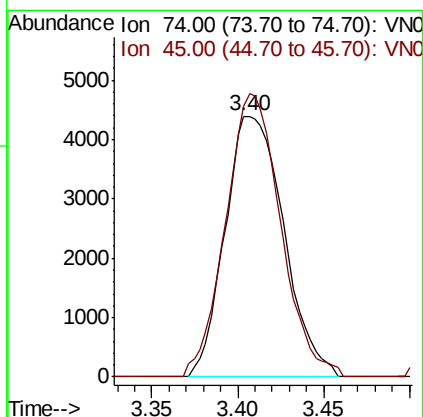
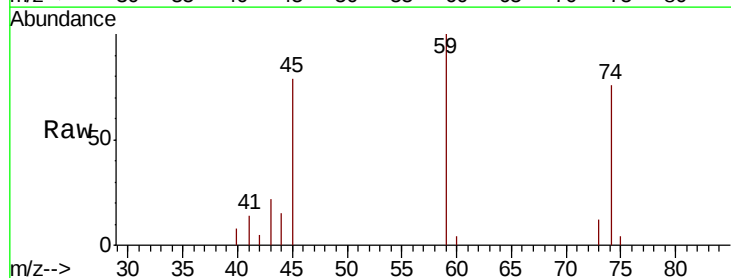
Tot Ion:101 Resp: 24961
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.8 79.2

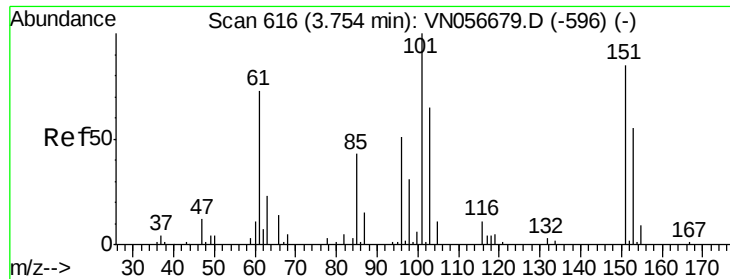


#8

Diethyl Ether
 Concen: 5.200 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

Tgt Ion: 74 Resp: 10470
 Ion Ratio Lower Upper
 74 100
 45 101.8 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.406 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

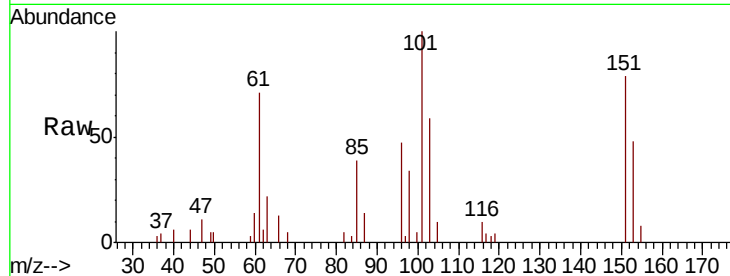
Tot Ion:101 Resp: 16430

Ion Ratio Lower Upper

101 100

85 26.9 0.0 84.2

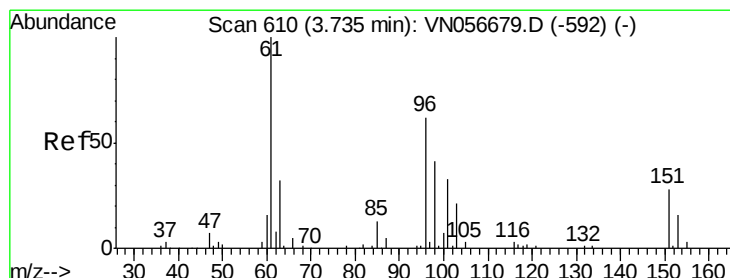
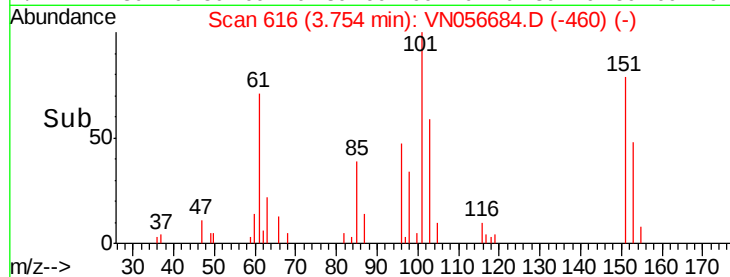
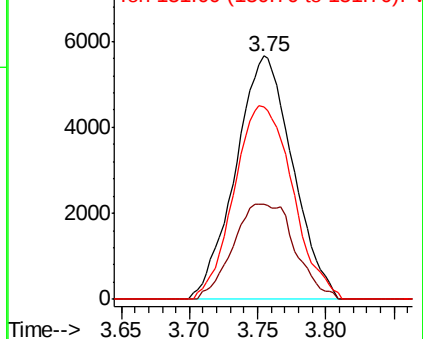
151 81.6 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.252 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

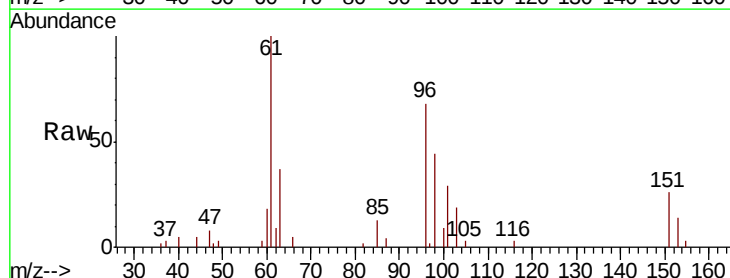
Tgt Ion: 96 Resp: 15555

Ion Ratio Lower Upper

96 100

61 147.0 129.0 193.4

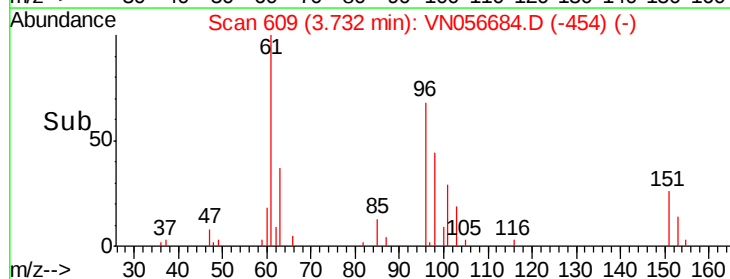
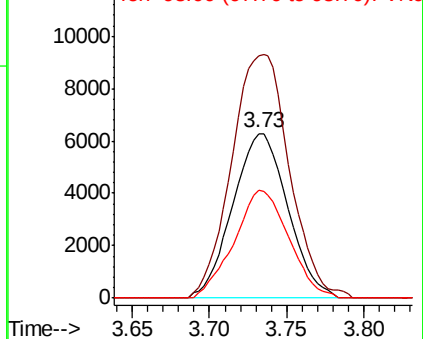
98 65.4 52.5 78.7

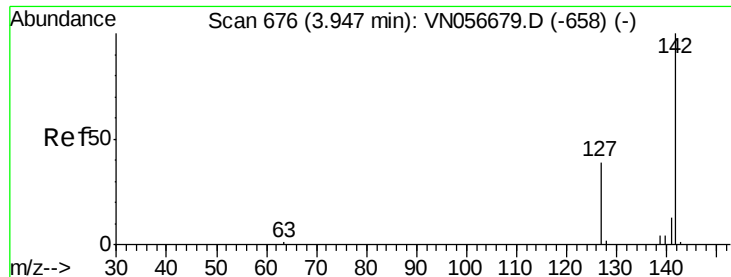


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

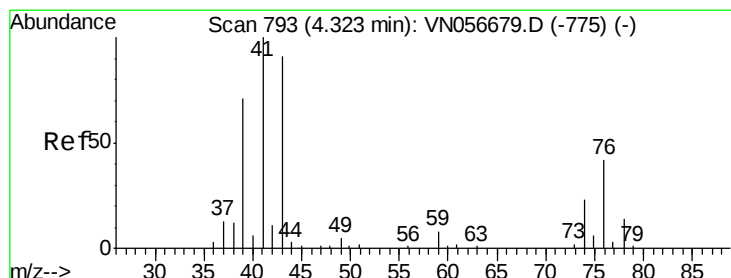
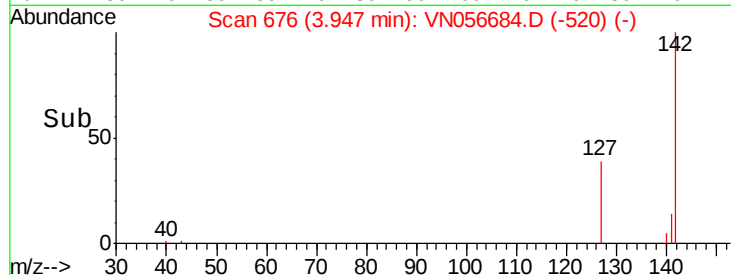
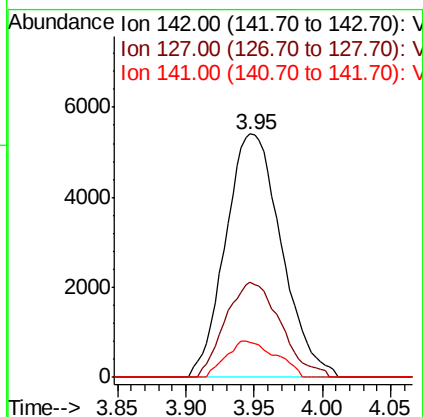
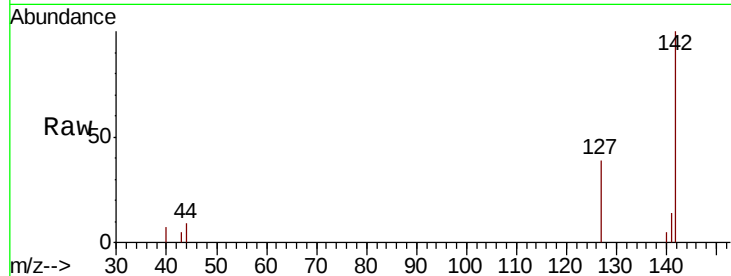




#11
Methyl Iodide
Concen: 3.657 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

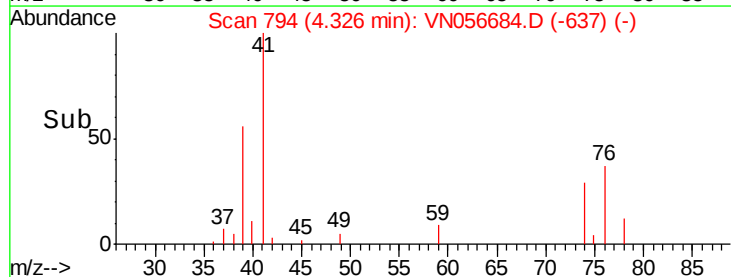
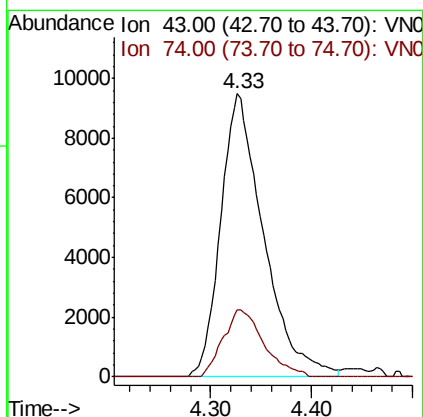
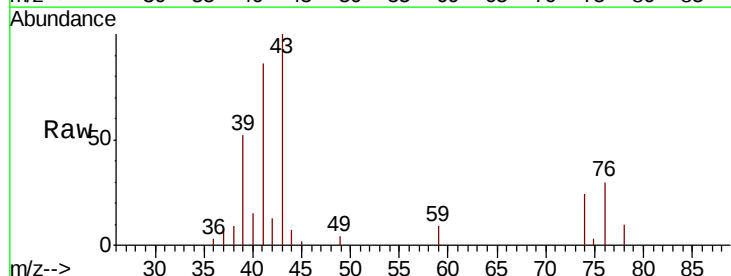
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

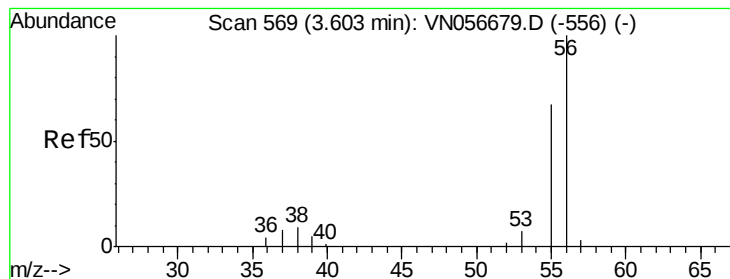
Tot Ion:142 Resp: 15399
Ion Ratio Lower Upper
142 100
127 39.2 19.5 58.5
141 14.3 6.8 20.3



#12
Methyl Acetate
Concen: 7.070 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Tgt Ion: 43 Resp: 28066
Ion Ratio Lower Upper
43 100
74 23.8 20.2 30.4





#13

Acrolein

Concen: 29.526 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

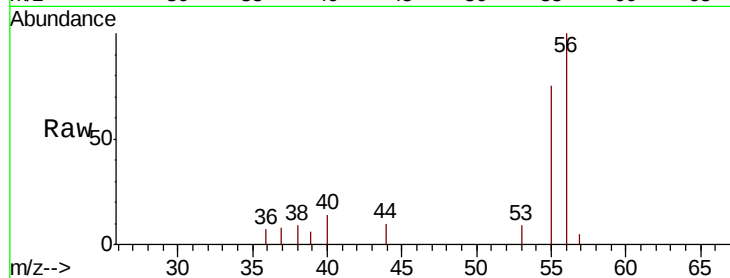
VSTDIC005

Tot Ion: 56 Resp: 10687

Ion Ratio Lower Upper

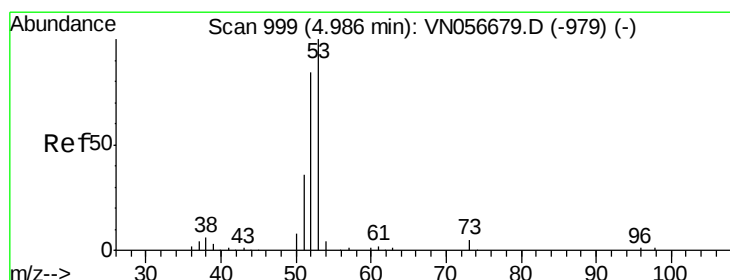
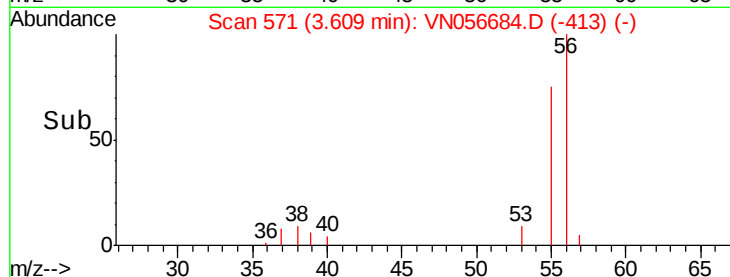
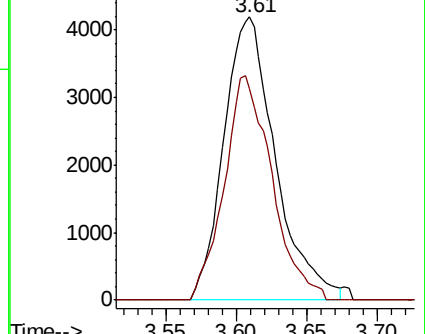
56 100

55 73.5 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 26.445 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

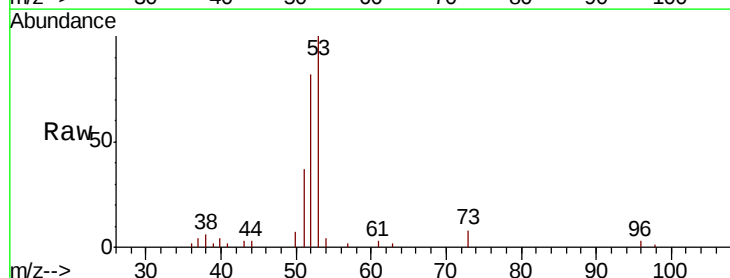
Tgt Ion: 53 Resp: 46224

Ion Ratio Lower Upper

53 100

52 80.6 41.3 123.7

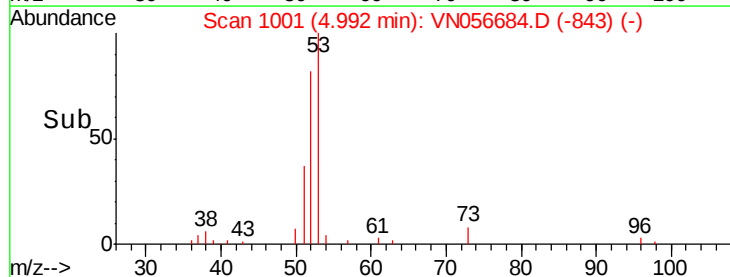
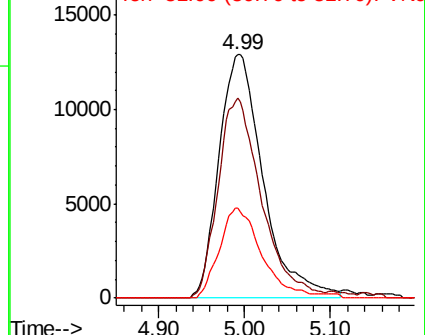
51 34.4 17.7 53.1

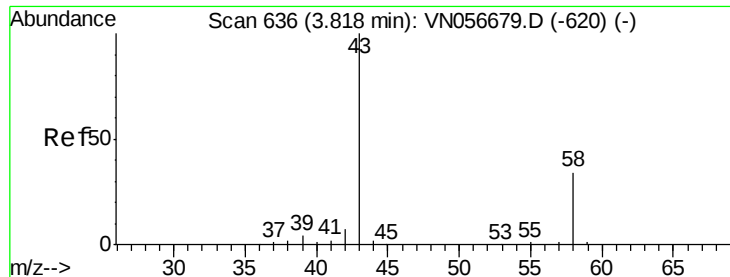


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 25.697 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

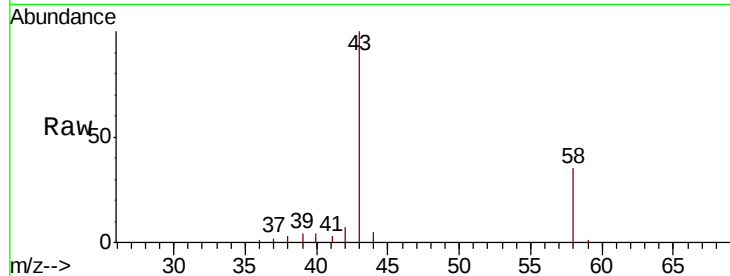
VSTDIC005

Tot Ion: 58 Resp: 13734

Ion Ratio Lower Upper

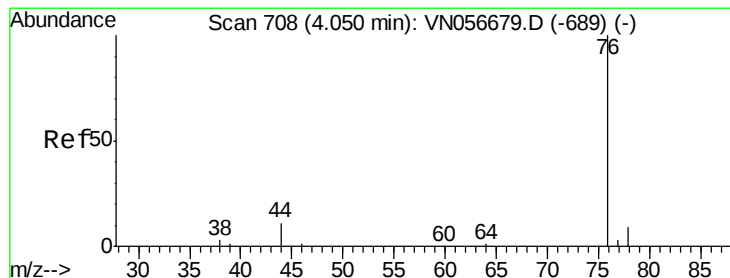
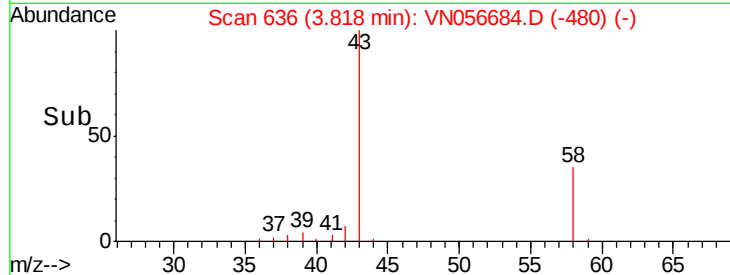
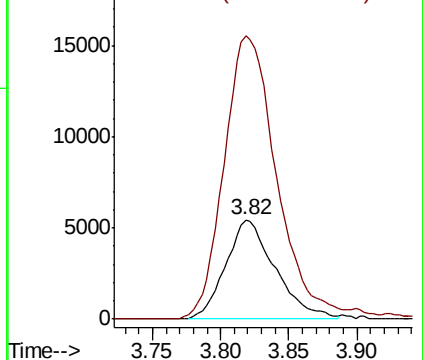
58 100

43 280.3 233.9 350.9



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 5.393 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN056684.D

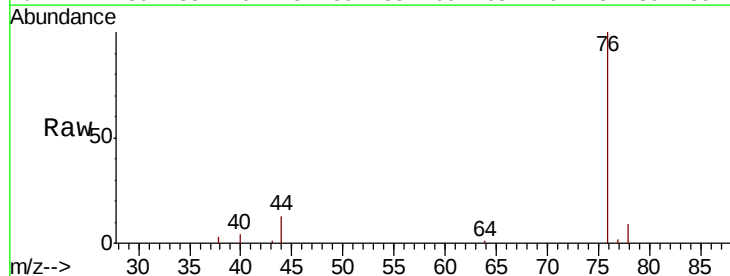
Acq: 12 Jul 2019 12:29

Tgt Ion: 76 Resp: 39361

Ion Ratio Lower Upper

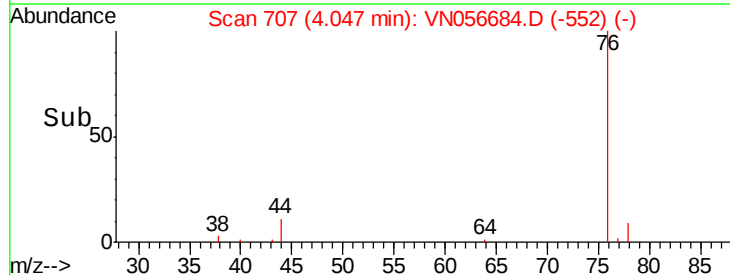
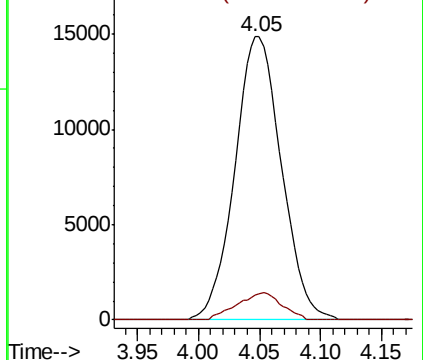
76 100

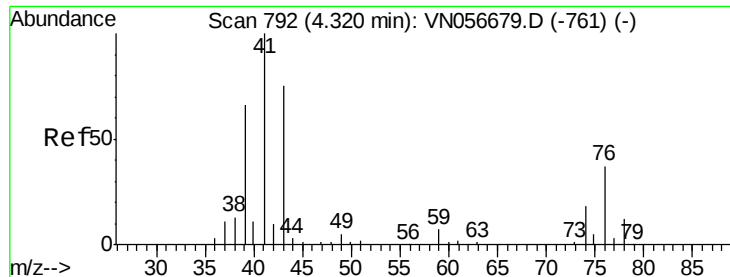
78 8.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

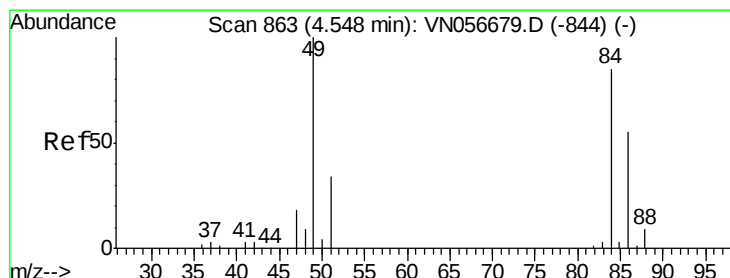
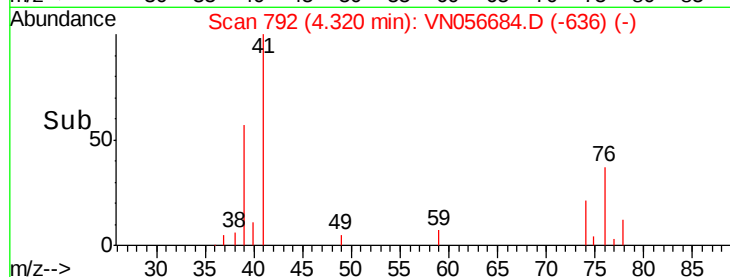
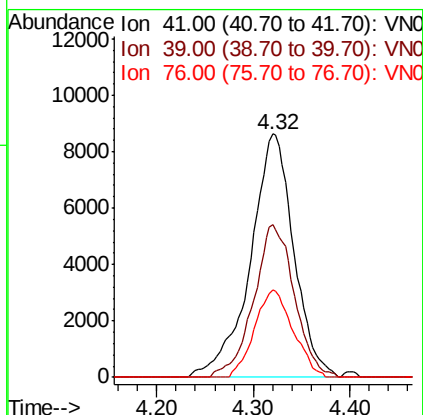
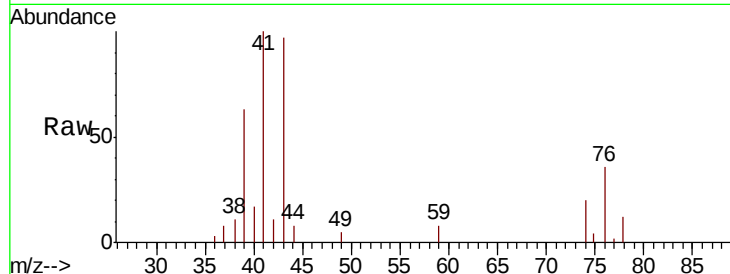




#17
Allvl chloride
Concen: 5.181 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

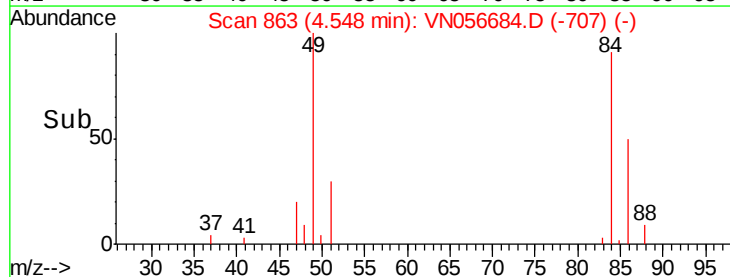
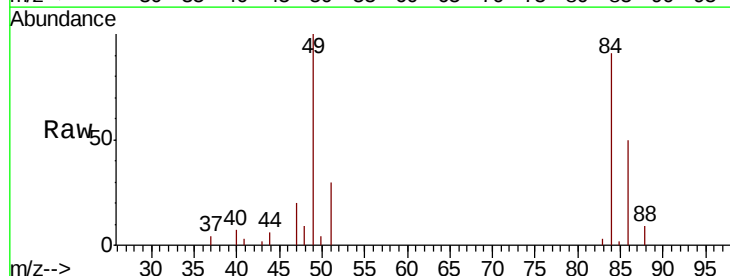
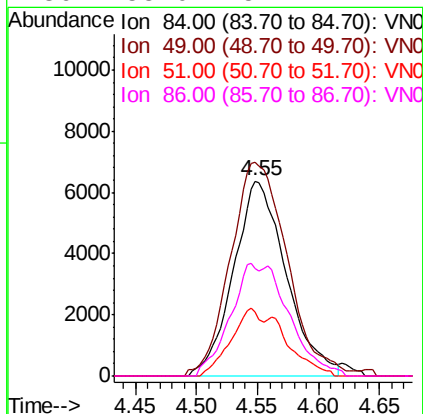
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

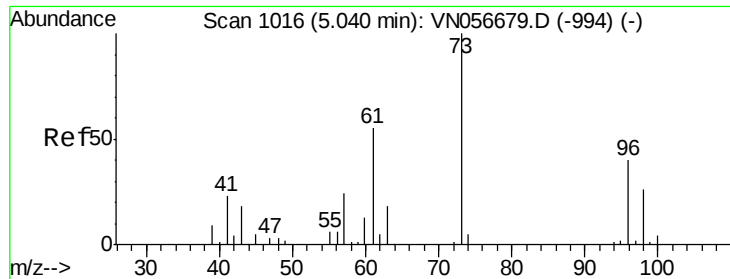
Tot Ion: 41 Resp: 26909
Ion Ratio Lower Upper
41 100
39 62.6 32.8 98.4
76 35.7 18.5 55.5



#18
Methylene Chloride
Concen: 5.438 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Tgt Ion: 84 Resp: 19068
Ion Ratio Lower Upper
84 100
49 106.3 93.9 140.9
51 32.7 31.7 47.5
86 55.0 51.4 77.2

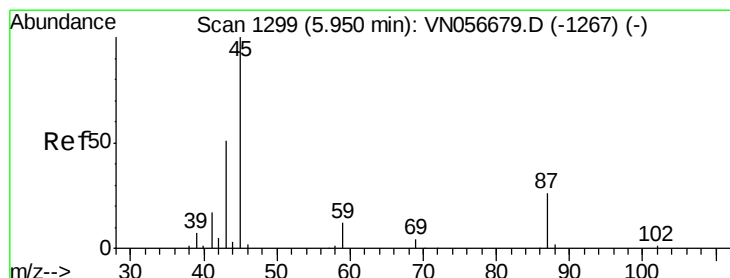
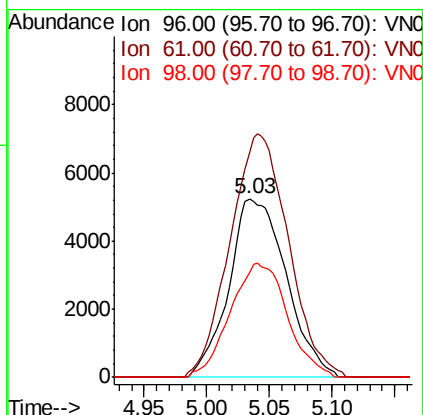
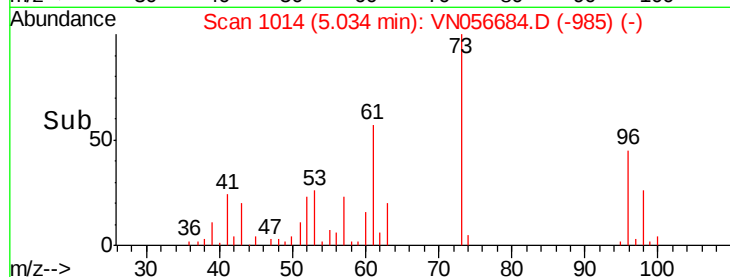
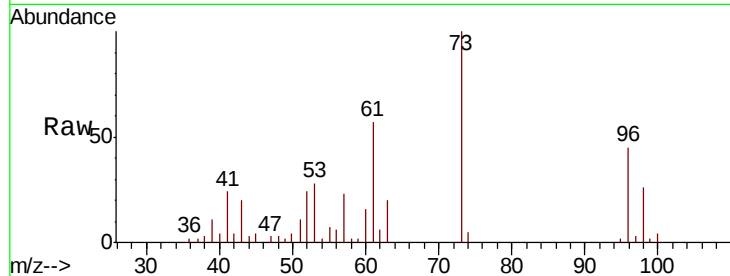




#19
trans-1,2-Dichloroethene
Concen: 5.185 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

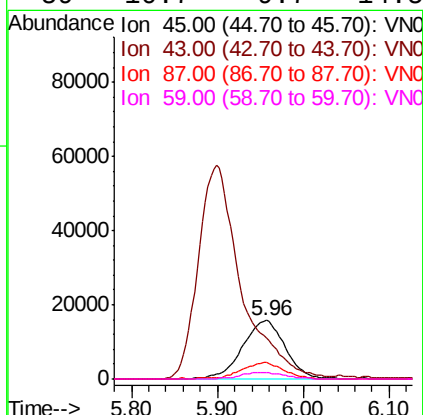
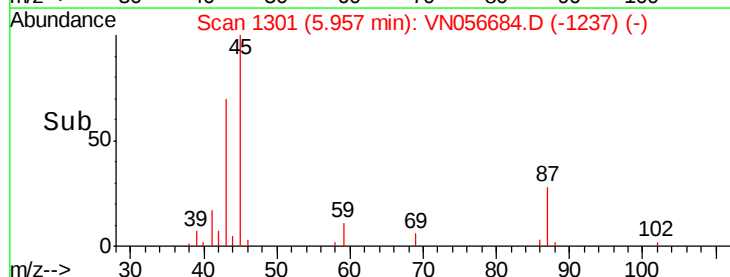
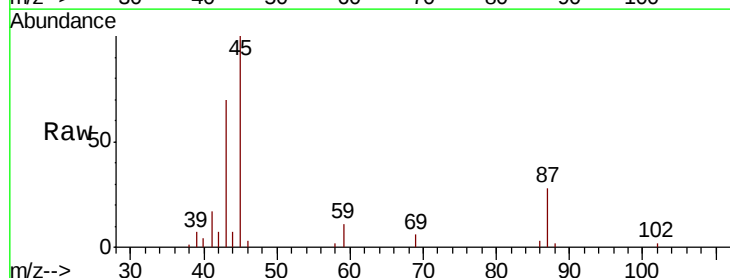
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

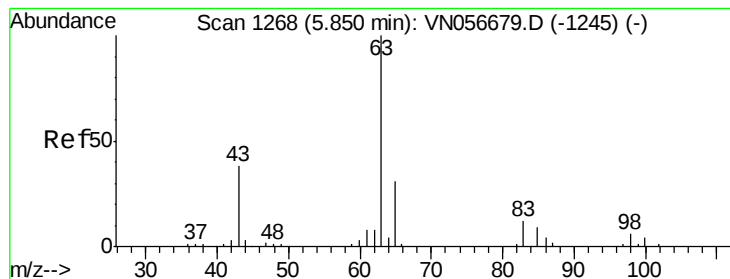
Tot Ion: 96 Resp: 16673
Ion Ratio Lower Upper
96 100
61 123.4 109.6 164.4
98 58.8 51.4 77.2



#20
Diisopropyl ether
Concen: 5.117 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Tgt Ion: 45 Resp: 54470
Ion Ratio Lower Upper
45 100
43 64.2 50.3 75.5
87 28.5 21.4 32.0
59 10.7 9.7 14.5





#21

1,1-Dichloroethane

Concen: 5.244 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

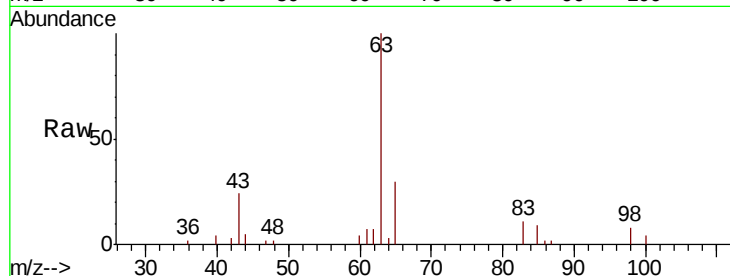
Tot Ion: 63 Resp: 31550

Ion Ratio Lower Upper

63 100

98 7.8 3.3 9.8

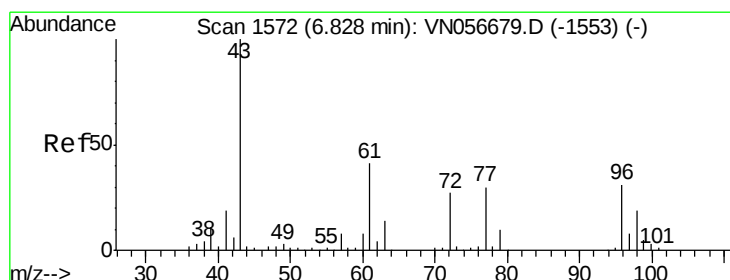
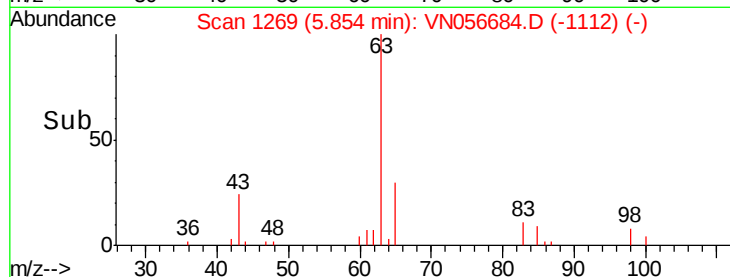
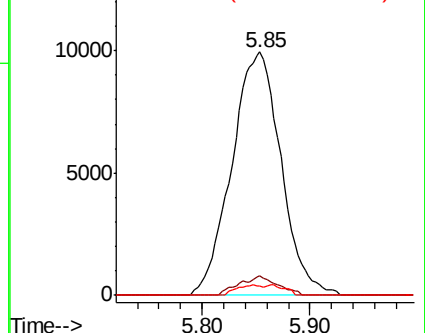
100 3.7 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN056679.D (-1245) (-)

Ion 98.00 (97.70 to 98.70): VN056679.D (-1245) (-)

Ion 100.00 (99.70 to 100.70): VN056679.D (-1245) (-)



#22

cis-1,2-Dichloroethene

Concen: 5.295 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

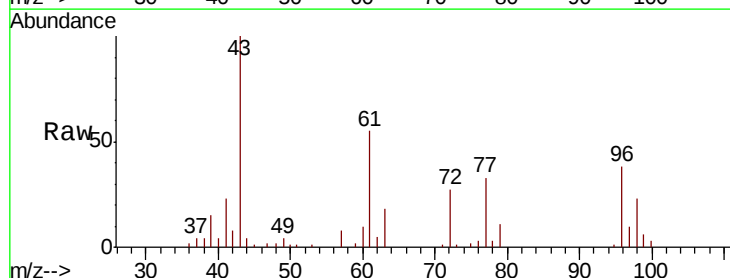
Tgt Ion: 96 Resp: 19996

Ion Ratio Lower Upper

96 100

61 142.1 112.1 168.1

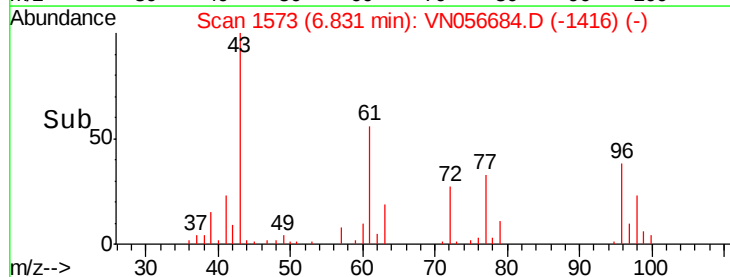
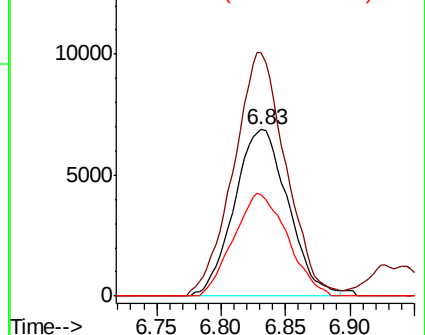
98 61.8 52.2 78.2

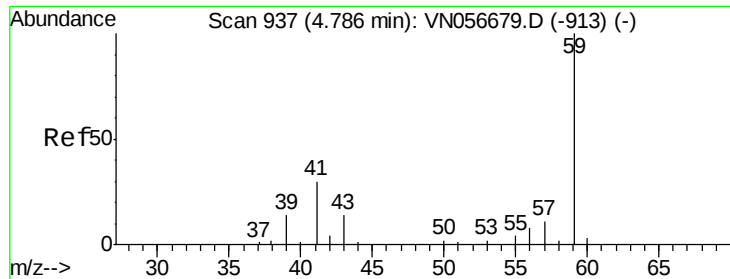


Abundance Ion 96.00 (95.70 to 96.70): VN056679.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN056679.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN056679.D (-1553) (-)





#23

tert-Butyl Alcohol

Concen: 23.915 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.01 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

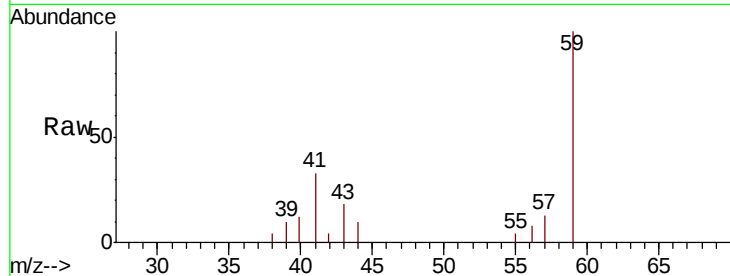
VSTDIC005

Tot Ion: 59 Resp: 15674

Ion Ratio Lower Upper

59 100

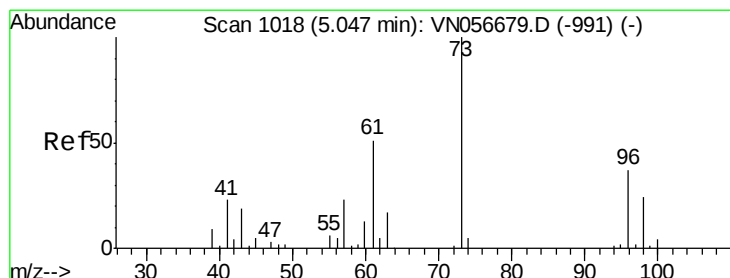
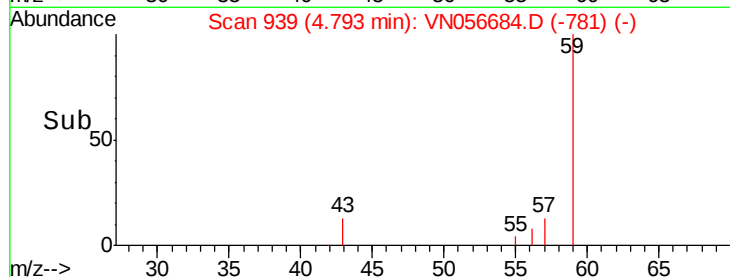
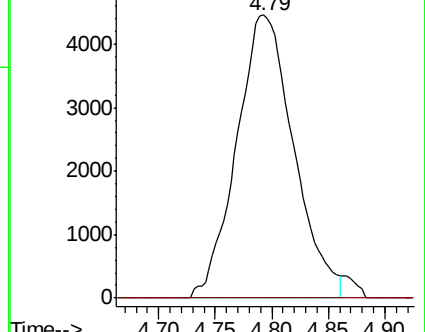
52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN056679.D (-913) (-)

Ion 52.00 (51.70 to 52.70): VN056679.D (-913) (-)

4.79



#24

Methyl tert-Butyl Ether

Concen: 5.131 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN056684.D

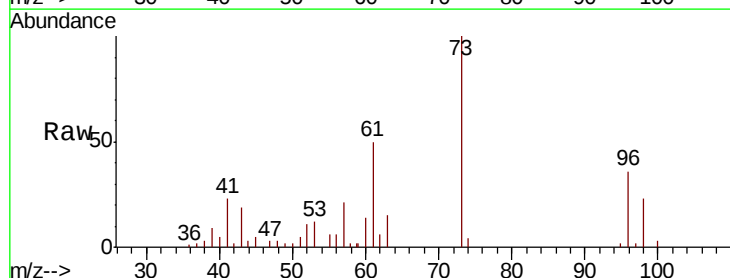
Acq: 12 Jul 2019 12:29

Tgt Ion: 73 Resp: 50006

Ion Ratio Lower Upper

73 100

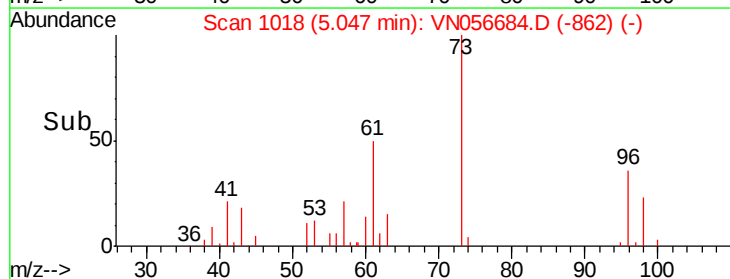
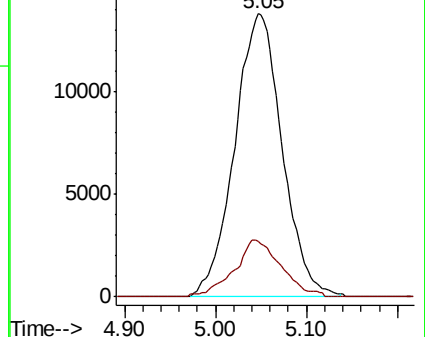
43 17.9 15.1 22.7

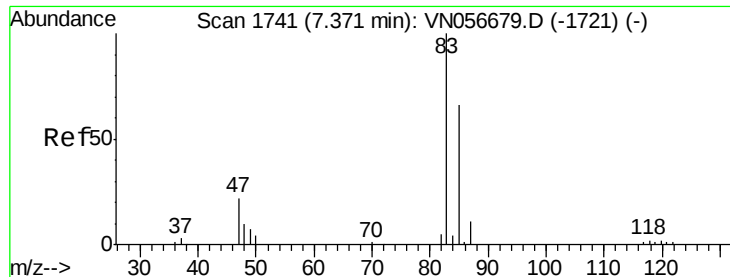


Abundance Ion 73.00 (72.70 to 73.70): VN056679.D (-991) (-)

Ion 43.00 (42.70 to 43.70): VN056679.D (-991) (-)

5.05

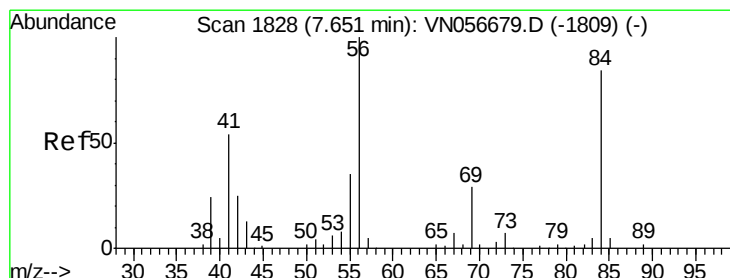
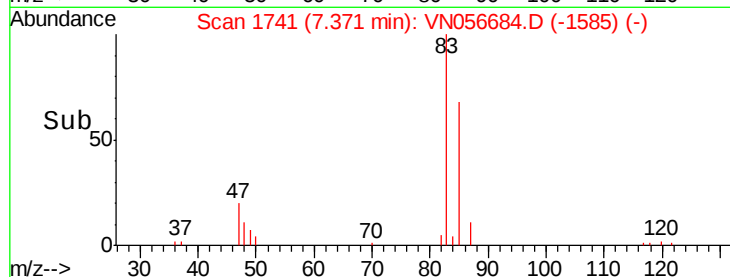
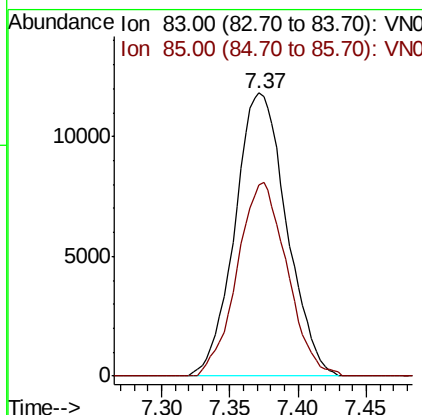
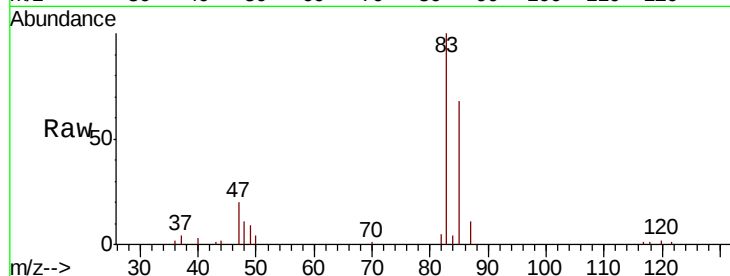




#25
Chloroform
Concen: 5.265 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

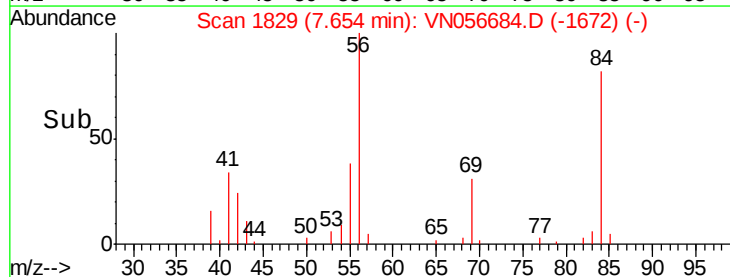
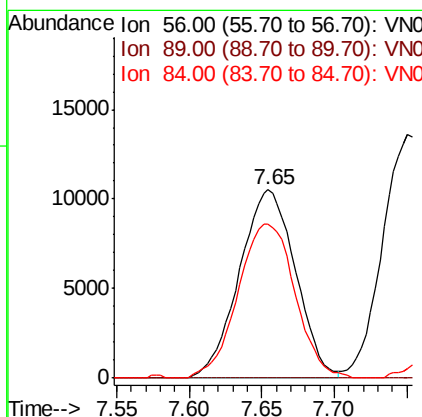
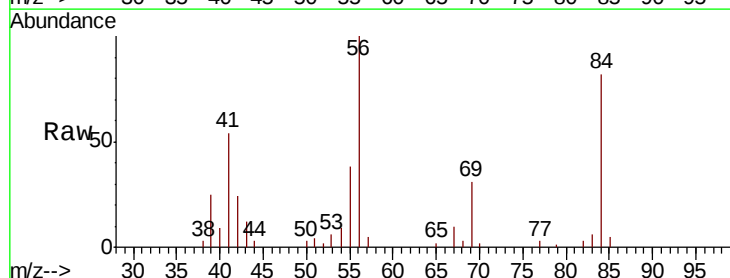
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

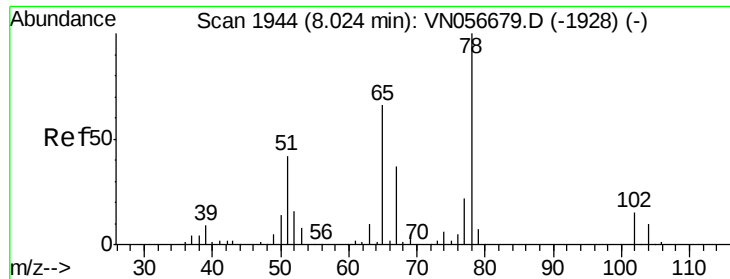
Tot Ion: 83 Resp: 31112
Ion Ratio Lower Upper
83 100
85 67.7 52.6 79.0



#26
Cyclohexane
Concen: 5.068 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Tgt Ion: 56 Resp: 28297
Ion Ratio Lower Upper
56 100
89 0.0 1.4 2.2#
84 83.3 68.2 102.4





#27

1,2-Dichloroethane-d4

Concen: 29.722 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampled :

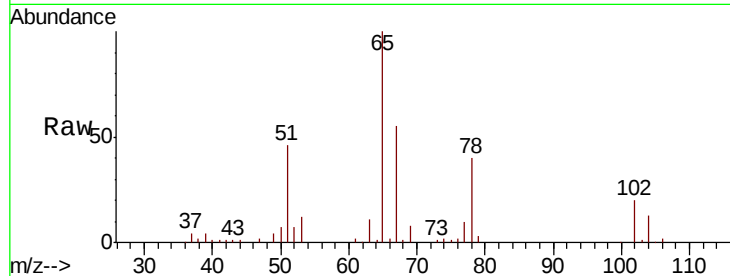
VSTDIC005

Tot Ion: 65 Resp: 108296

Ion Ratio Lower Upper

65 100

67 55.7 43.4 65.0



Abundance Ion 65.00 (64.70 to 65.70): VN056679.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN056679.D (-1928) (-)

8.03

50000

40000

30000

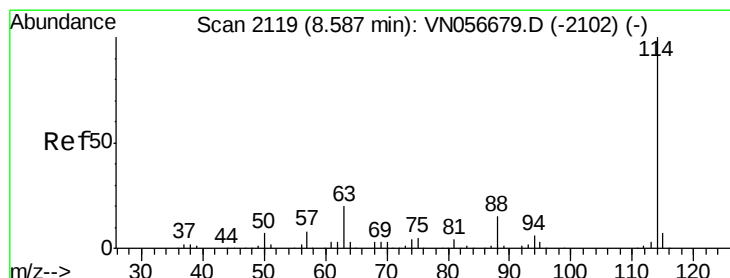
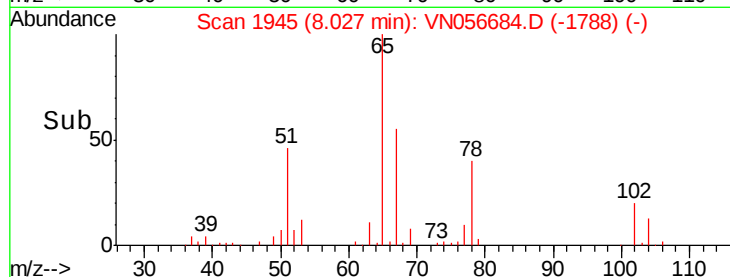
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

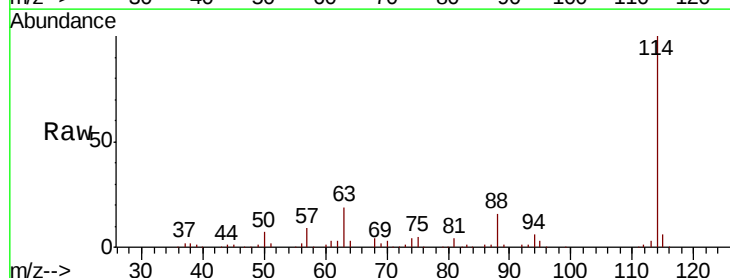
Tgt Ion: 114 Resp: 290266

Ion Ratio Lower Upper

114 100

63 19.5 16.2 24.2

88 15.8 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): VN056679.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN056679.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN056679.D (-2102) (-)

8.59

150000

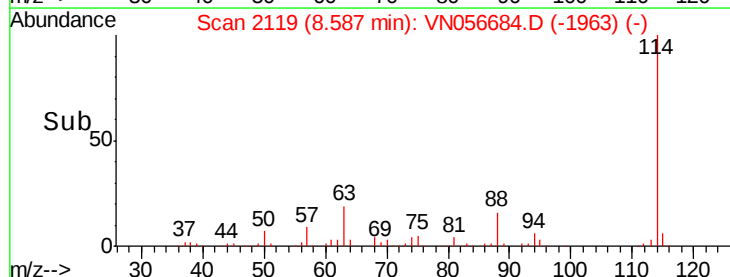
100000

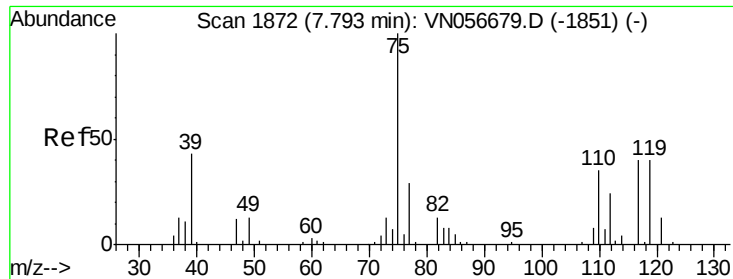
50000

0

8.50 8.55 8.60 8.65 8.70

Time-->

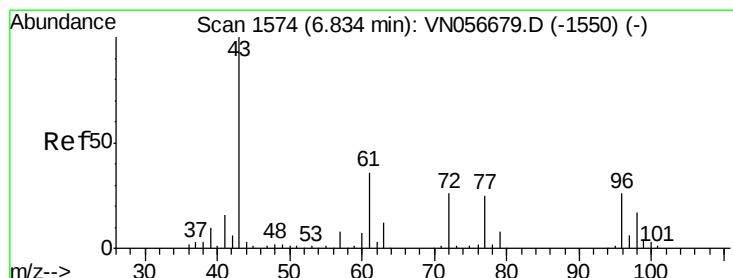
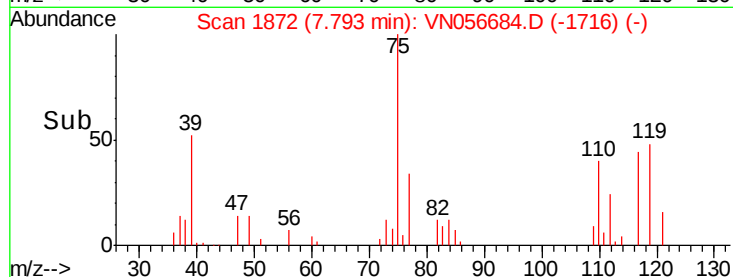
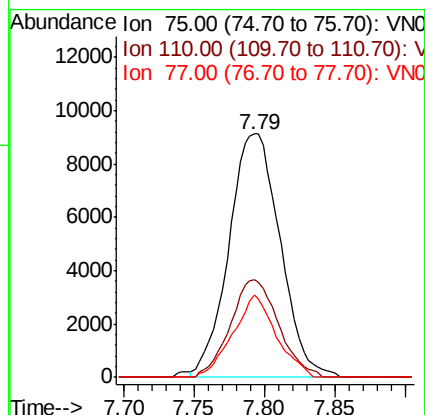
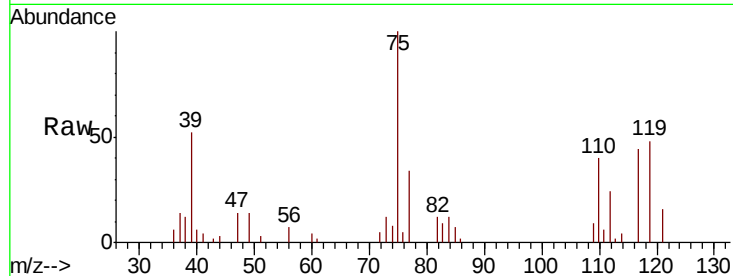




#29
 1,1-Dichloropropene
 Concen: 5.261 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

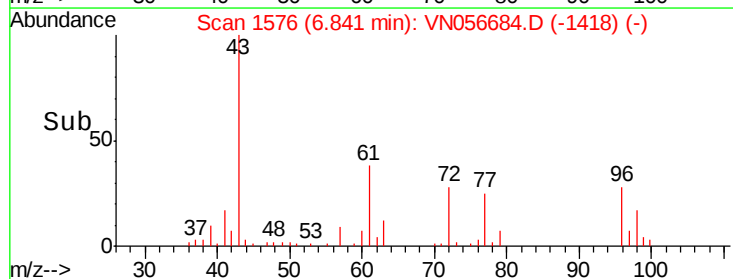
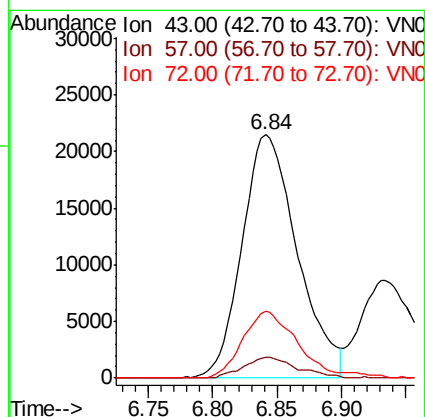
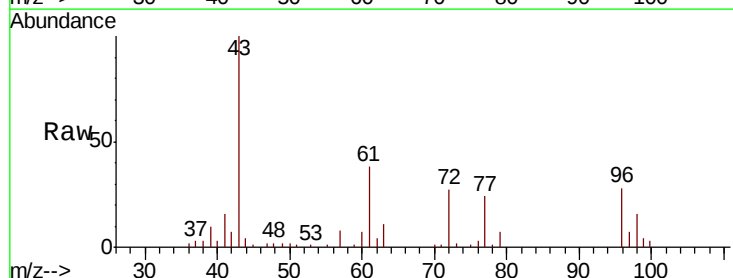
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

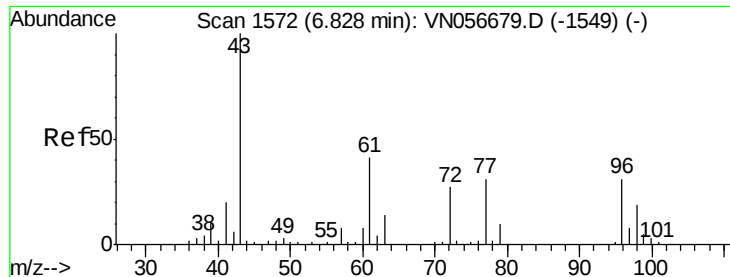
Tot Ion: 75 Resp: 23200
 Ion Ratio Lower Upper
 75 100
 110 37.6 0.0 72.4
 77 28.5 0.0 62.2



#30
 2-Butanone
 Concen: 25.874 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

Tgt Ion: 43 Resp: 64230
 Ion Ratio Lower Upper
 43 100
 57 7.1 6.6 10.0
 72 26.5 21.3 31.9





#31

2,2-Dichloropropane

Concen: 5.052 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

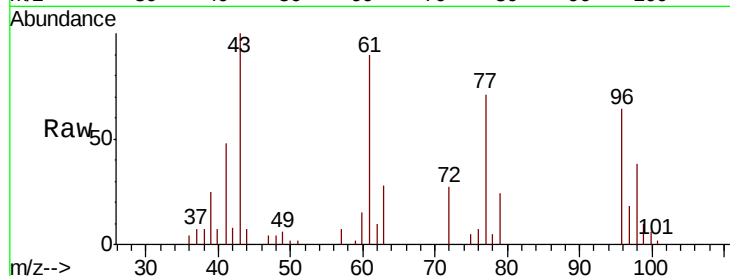
VSTDIC005

Tot Ion: 77 Resp: 21432

Ion Ratio Lower Upper

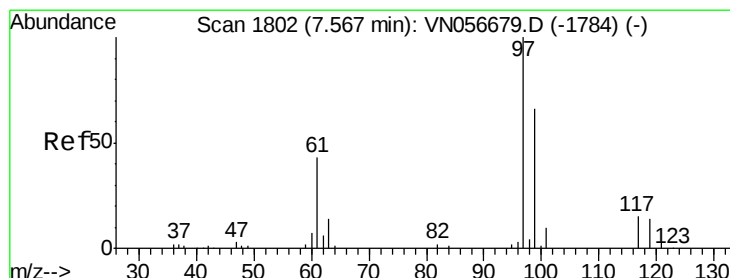
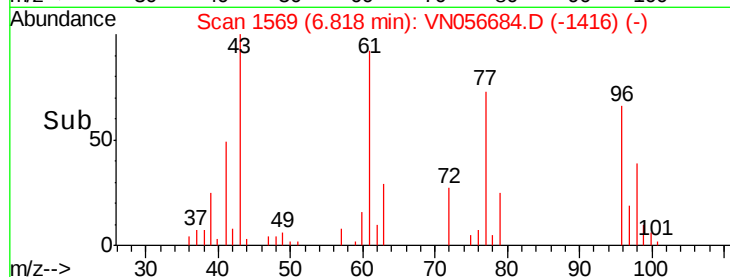
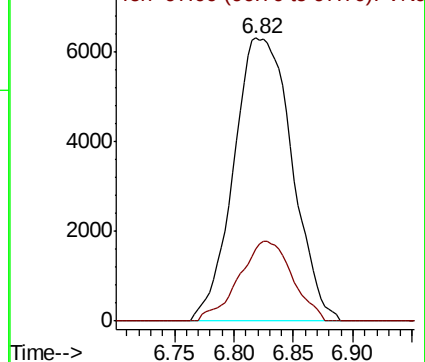
77 100

97 25.9 19.7 29.5



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 5.141 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

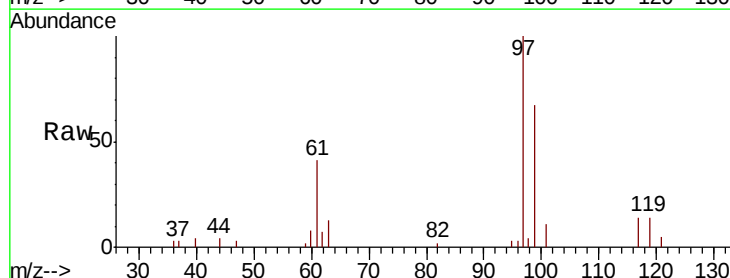
Tgt Ion: 97 Resp: 24088

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

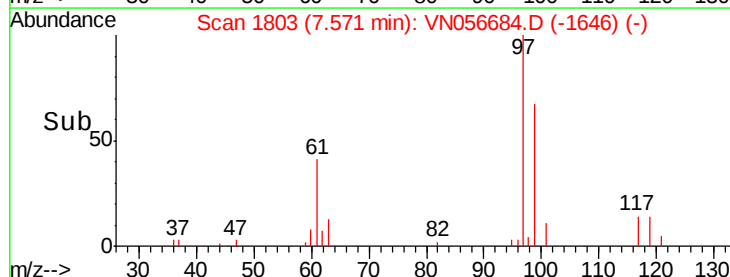
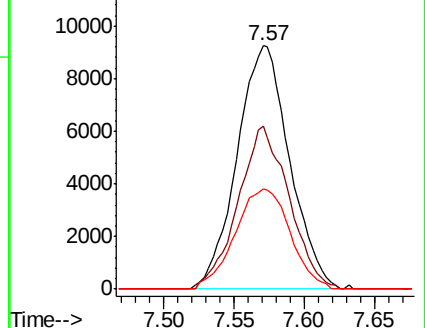
61 43.1 34.4 51.6

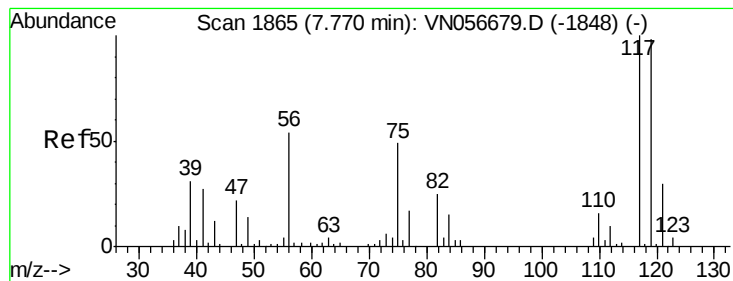


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 4.990 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

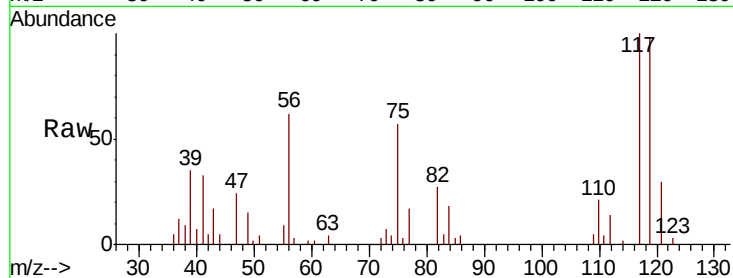
Tot Ion:117 Resp: 19962

Ion Ratio Lower Upper

117 100

119 97.6 78.7 118.1

121 30.0 24.0 36.0

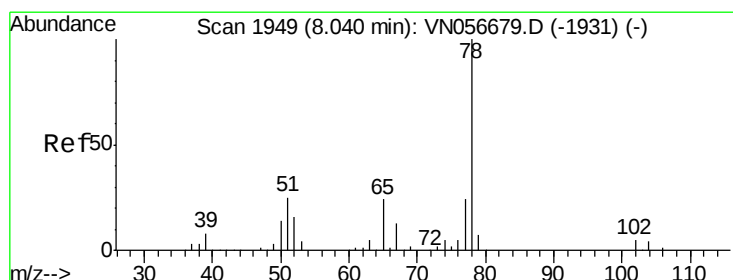
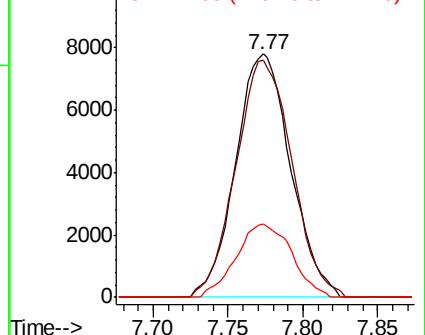
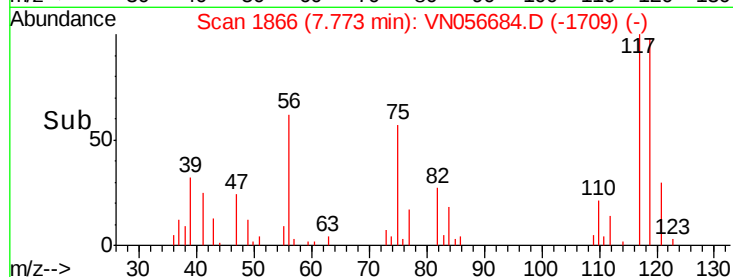


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 5.223 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

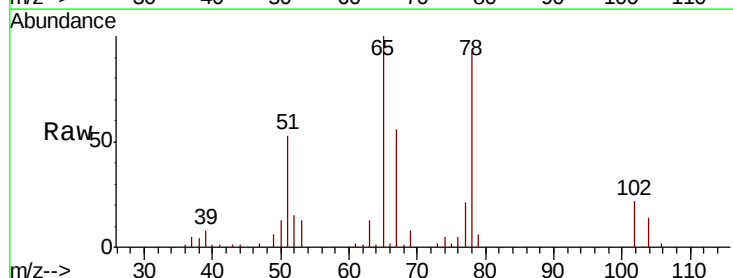
Tgt Ion: 78 Resp: 71719

Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.4

51 56.3 19.7 29.5#

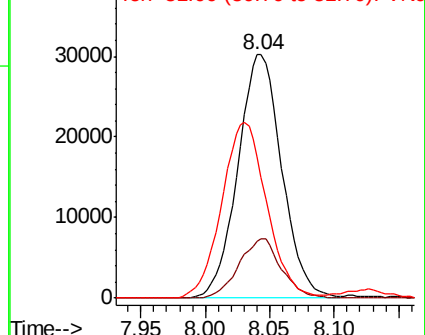
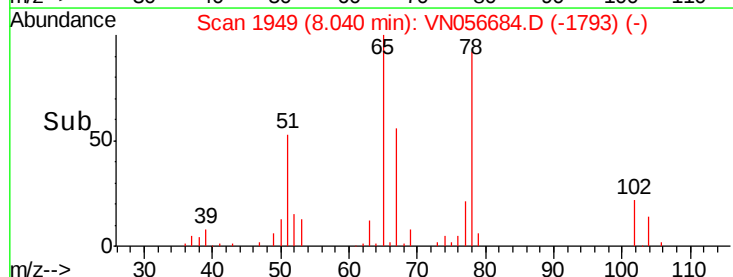


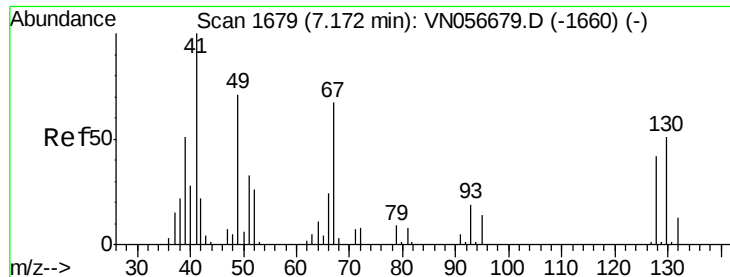
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

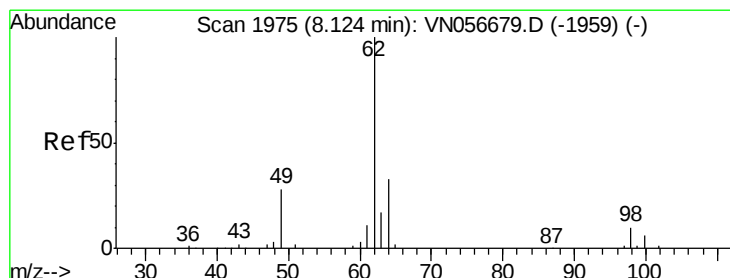
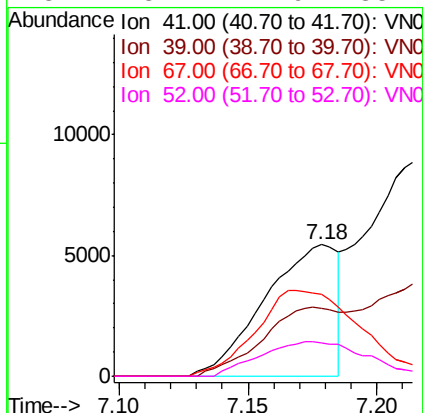
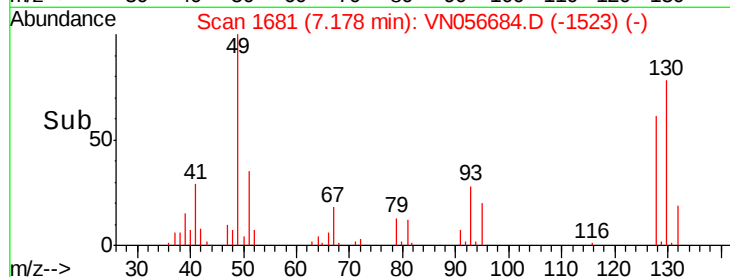
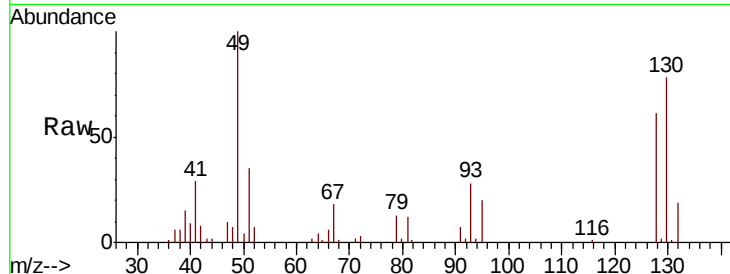




#35
Methacrylonitrile
Concen: 5.242 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

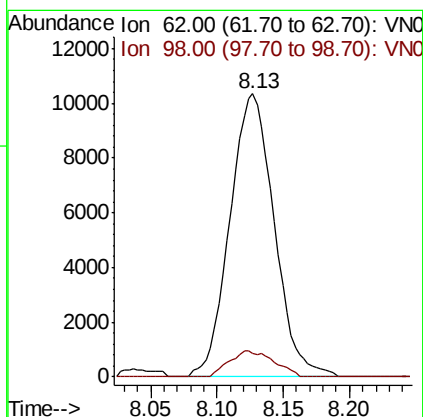
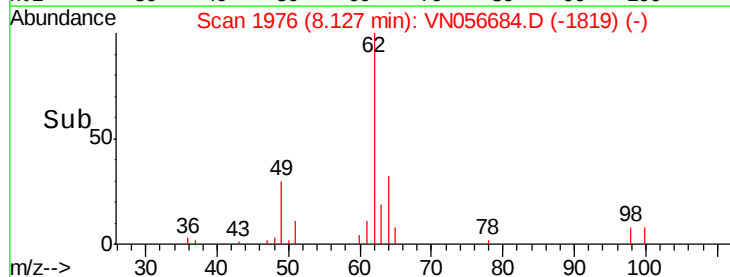
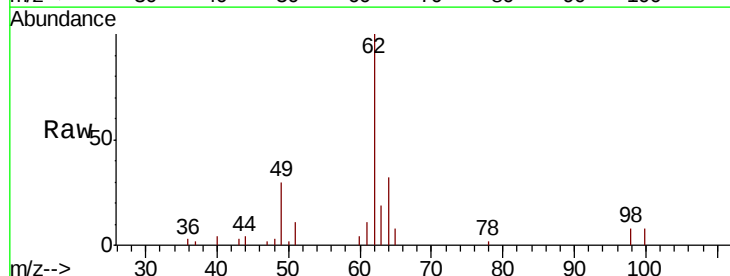
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

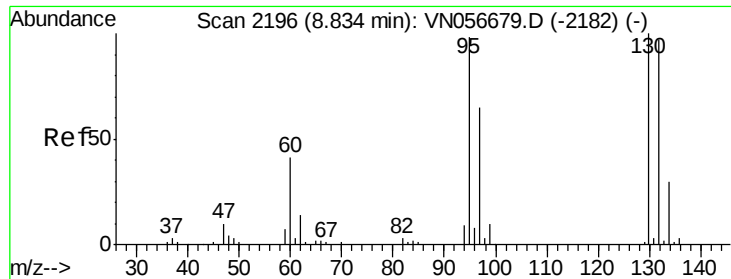
Tot Ion: 41 Resp: 10718
Ion Ratio Lower Upper
41 100
39 52.0 25.4 76.2
67 62.1 33.6 100.8
52 25.1 12.9 38.7



#36
1,2-Dichloroethane
Concen: 5.402 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Tgt Ion: 62 Resp: 24058
Ion Ratio Lower Upper
62 100
98 9.3 7.7 11.5

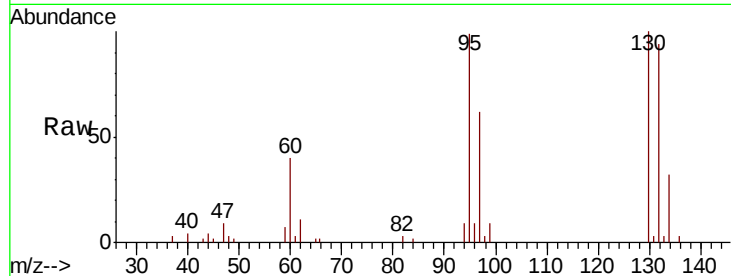




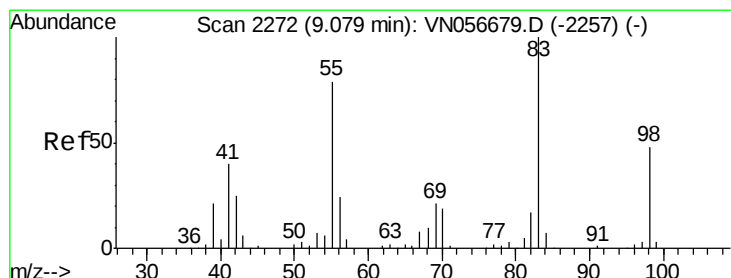
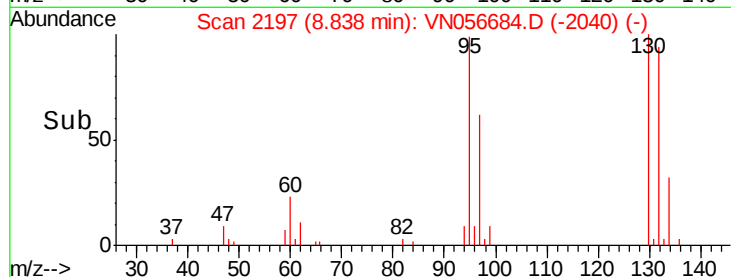
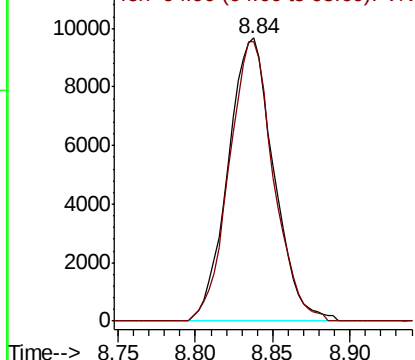
#37
 Trichloroethene
 Concen: 5.490 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 19860
 Ion Ratio Lower Upper
 130 100
 95 98.9 78.4 117.6

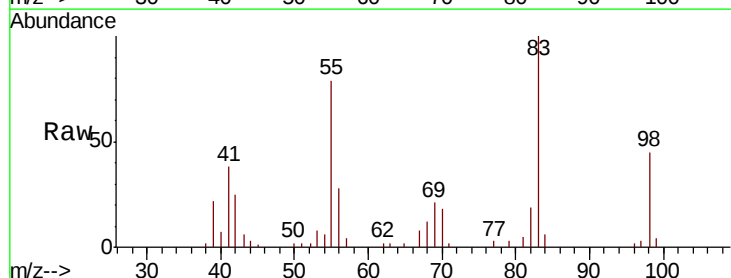


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

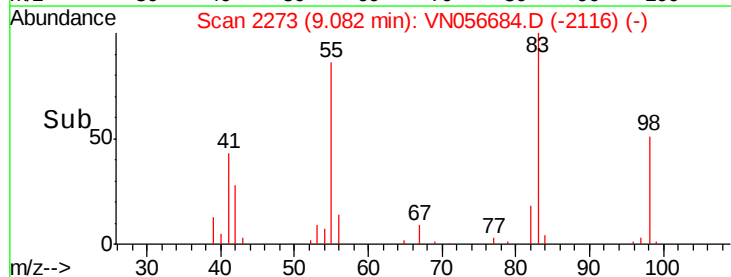
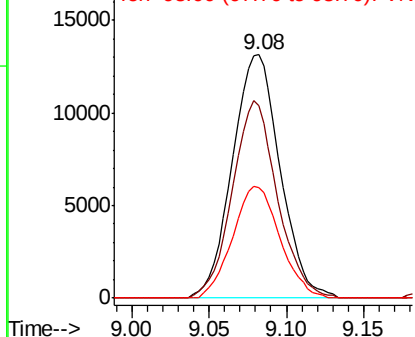


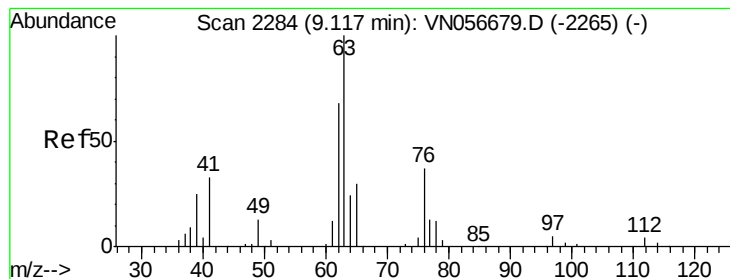
#38
 Methylcyclohexane
 Concen: 5.098 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

Tgt Ion: 83 Resp: 28238
 Ion Ratio Lower Upper
 83 100
 55 76.5 38.4 115.2
 98 45.6 23.3 69.9



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





#39

1,2-Dichloropropane

Concen: 5.228 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

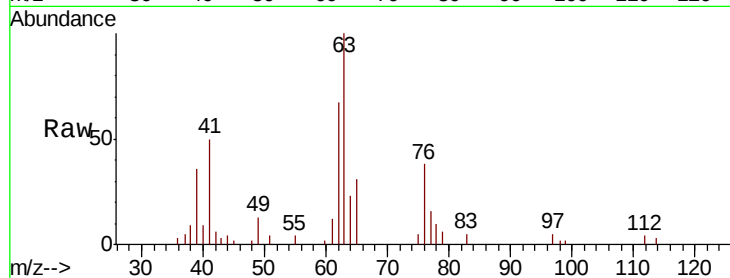
VSTDIC005

Tot Ion: 63 Resp: 19271

Ion Ratio Lower Upper

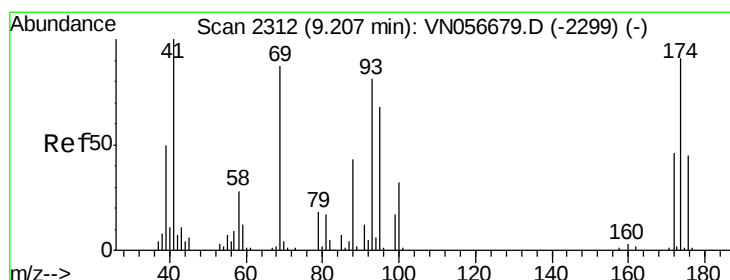
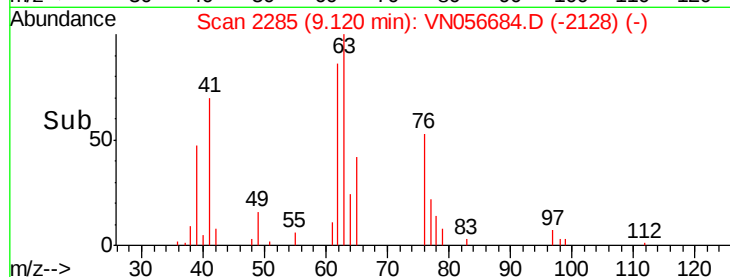
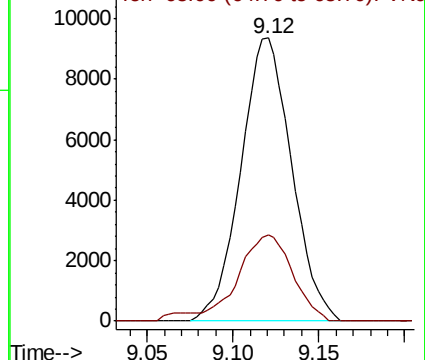
63 100

65 30.6 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: 5.503 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

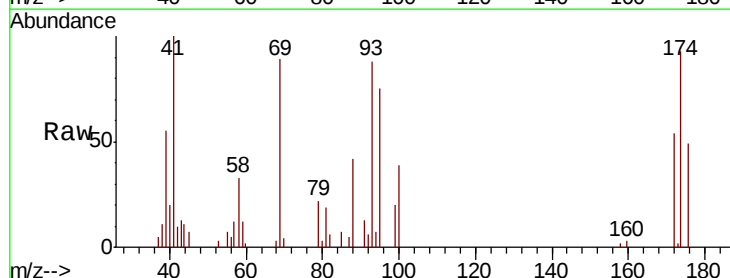
Tgt Ion: 93 Resp: 12605

Ion Ratio Lower Upper

93 100

95 82.0 0.0 167.0

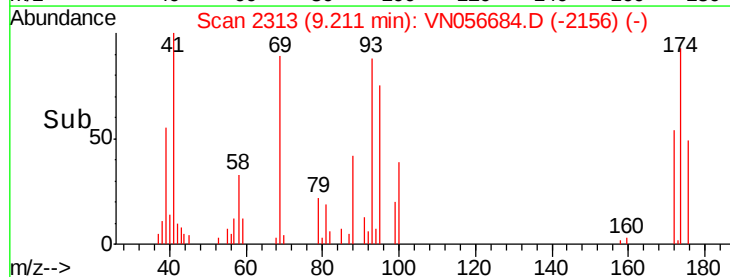
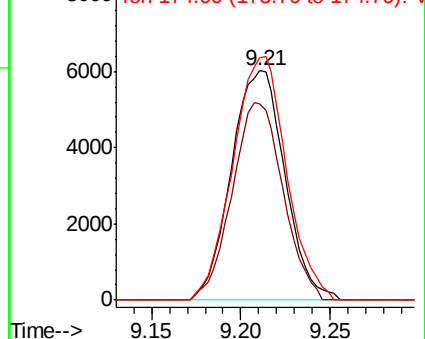
174 106.4 0.0 224.2

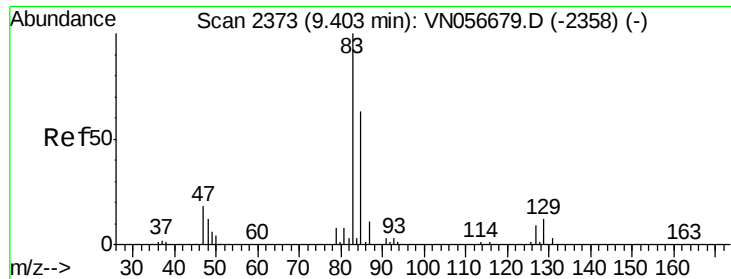


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 4.947 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

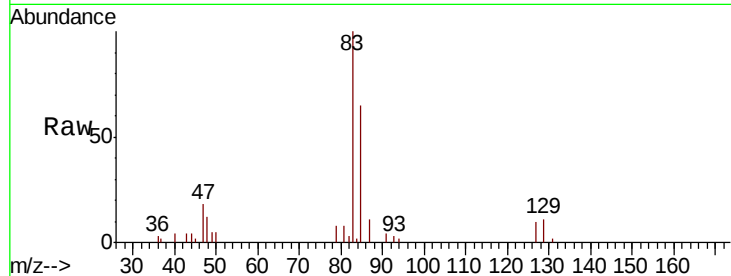
Tot Ion: 83 Resp: 21071

Ion Ratio Lower Upper

83 100

85 65.0 50.1 75.1

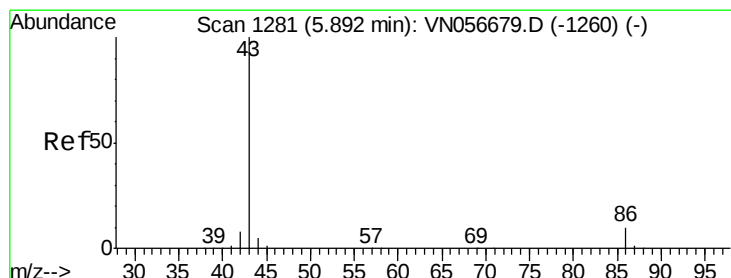
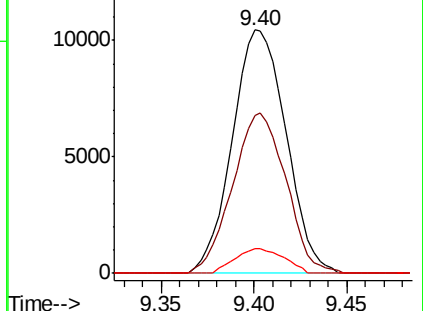
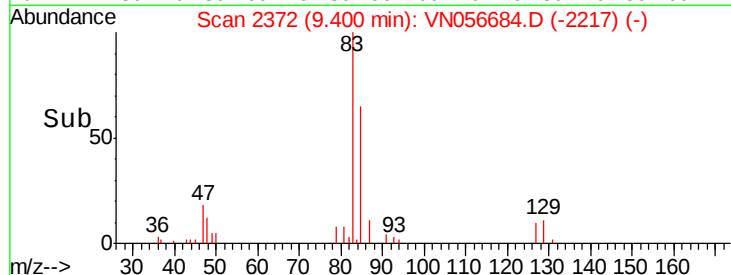
127 10.3 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN056684.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN056684.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN056684.D (-2217) (-)



#42

Vinyl Acetate

Concen: 23.209 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN056684.D

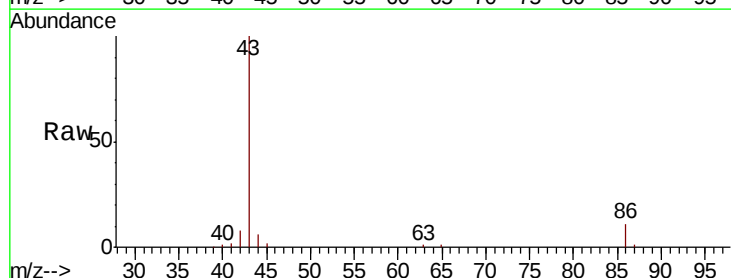
Acq: 12 Jul 2019 12:29

Tgt Ion: 43 Resp: 200914

Ion Ratio Lower Upper

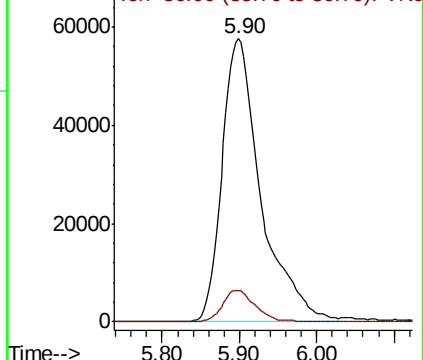
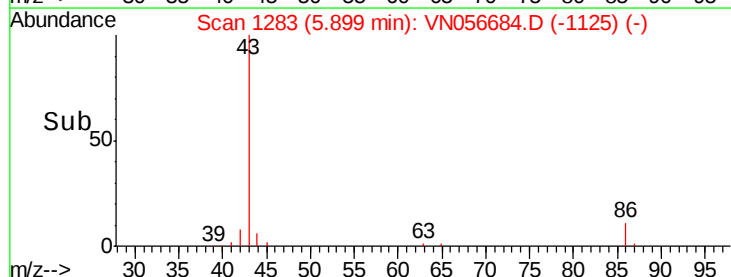
43 100

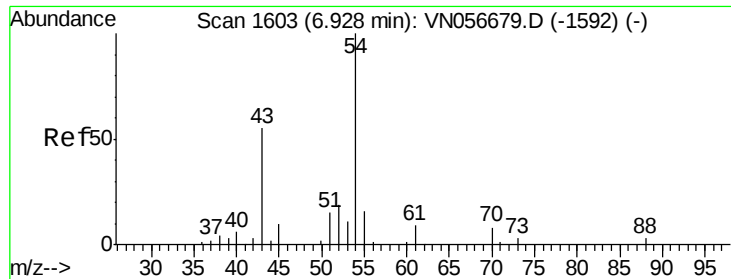
86 9.4 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN056684.D (-1125) (-)

Ion 86.00 (85.70 to 86.70): VN056684.D (-1125) (-)





#43

Ethyl Acetate

Concen: 5.238 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.01 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

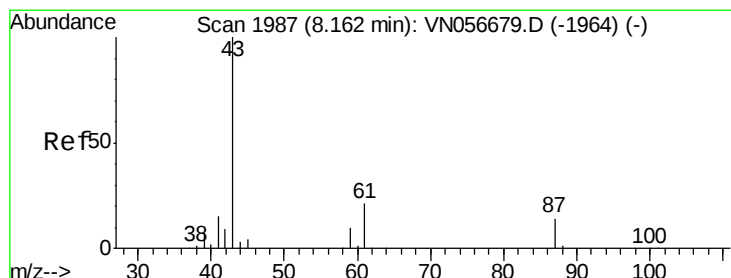
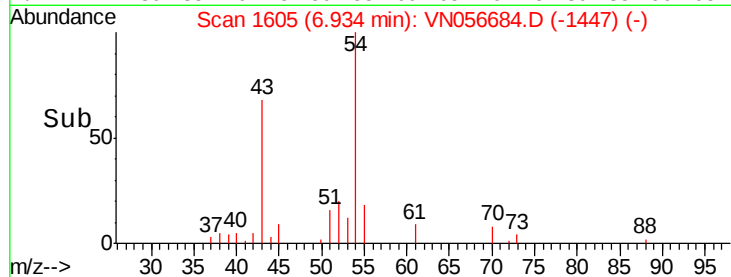
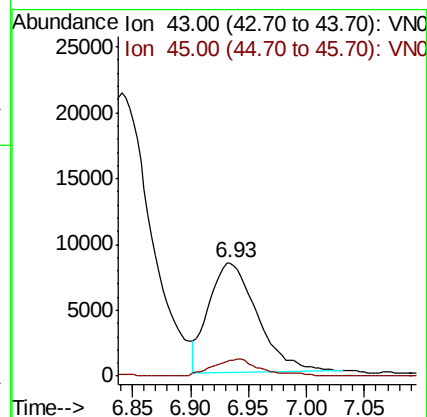
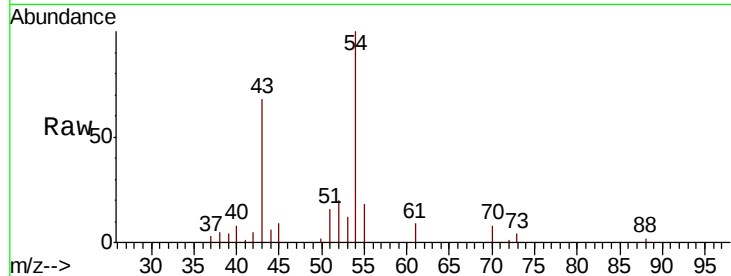
VSTDIC005

Tot Ion: 43 Resp: 24579

Ion Ratio Lower Upper

43 100

45 14.4 11.2 16.8



#44

Isopropyl Acetate

Concen: 5.045 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056684.D

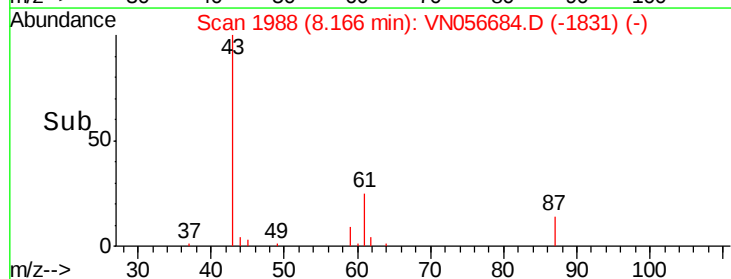
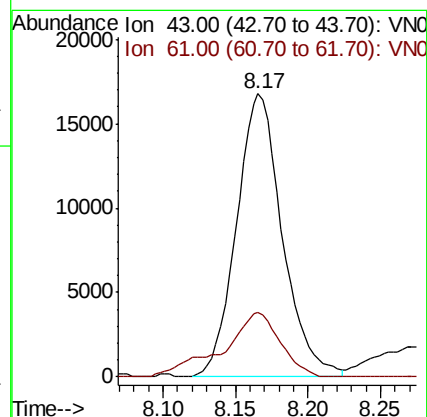
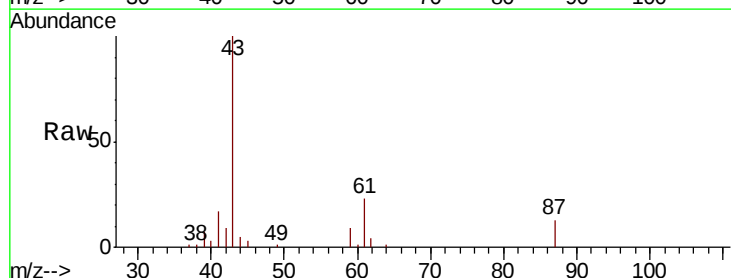
Acq: 12 Jul 2019 12:29

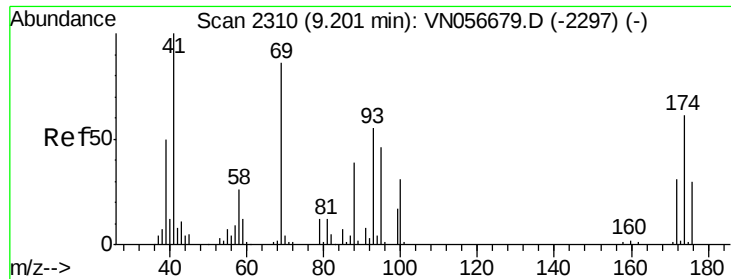
Tgt Ion: 43 Resp: 36812

Ion Ratio Lower Upper

43 100

61 21.8 22.6 33.8#



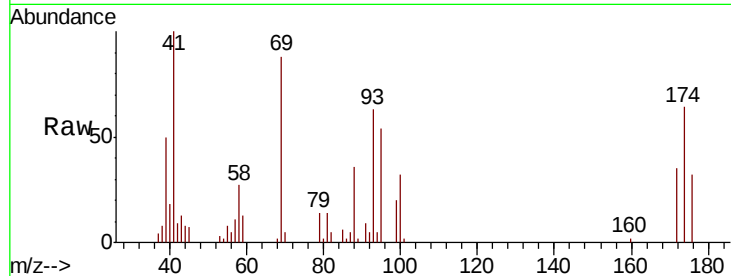


#45
 1,4-Dioxane
 Concen: 99.596 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

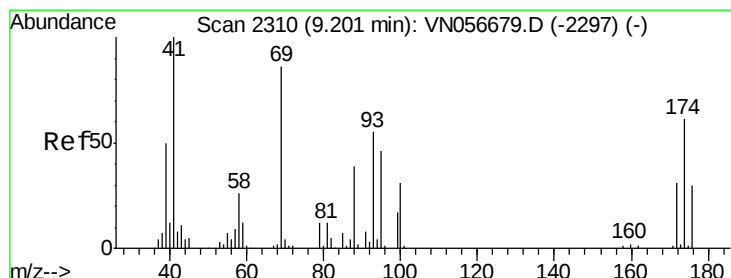
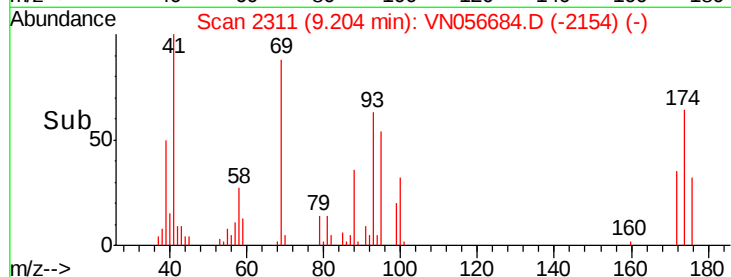
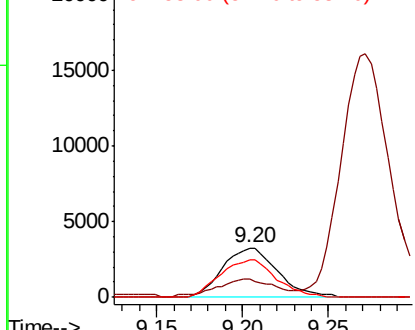
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 7219

Ion	Ratio	Lower	Upper
88	100		
43	33.4	23.0	34.6
58	77.6	54.6	81.8



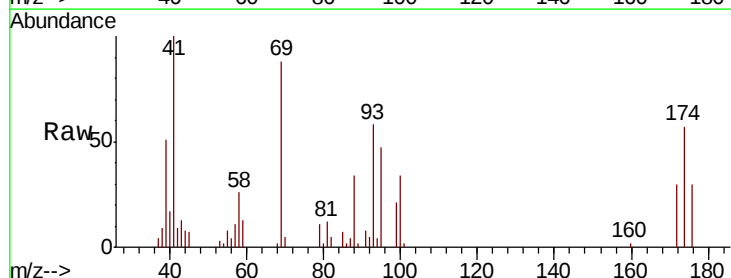
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0



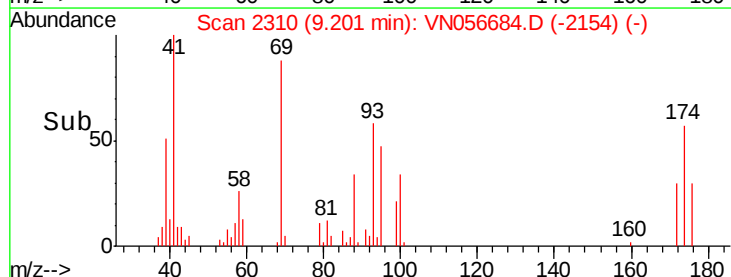
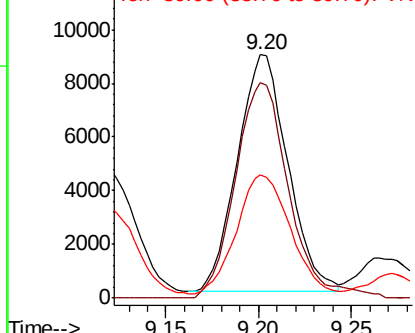
#46
 Methyl methacrylate
 Concen: 4.641 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

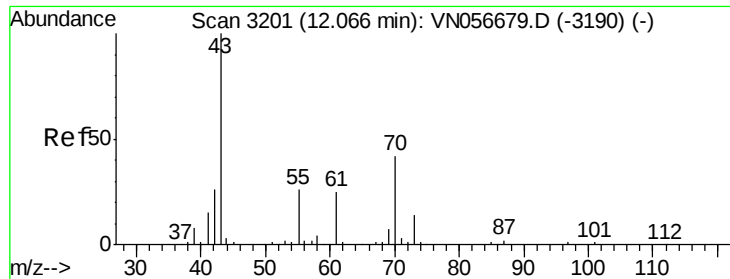
Tgt Ion: 41 Resp: 16667

Ion	Ratio	Lower	Upper
41	100		
69	90.8	43.0	129.0
39	50.3	25.1	75.4



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-amvl Acetate

Concen: 4.355 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

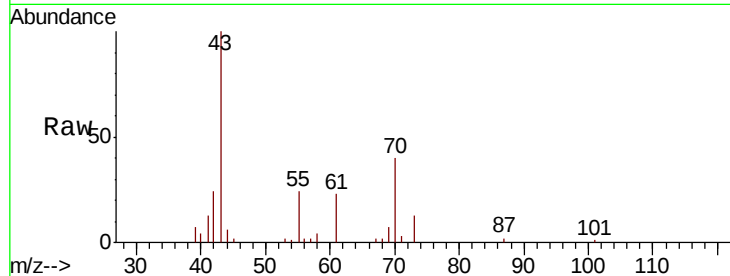
VSTDIC005

Tot Ion: 43 Resp: 26333

Ion Ratio Lower Upper

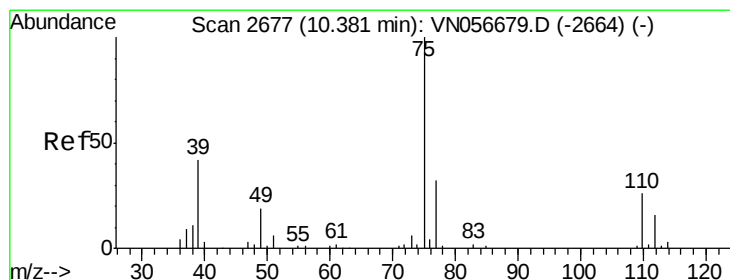
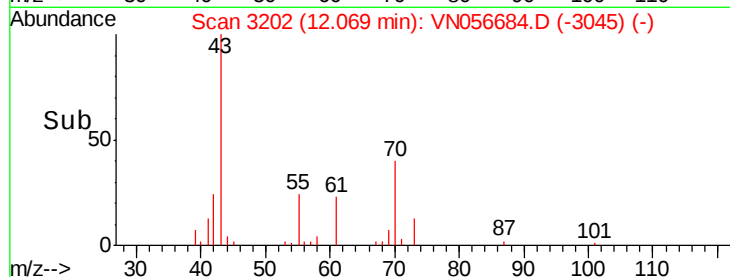
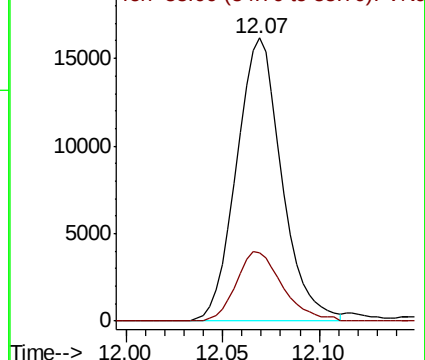
43 100

55 25.0 20.7 31.1



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: 4.932 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056684.D

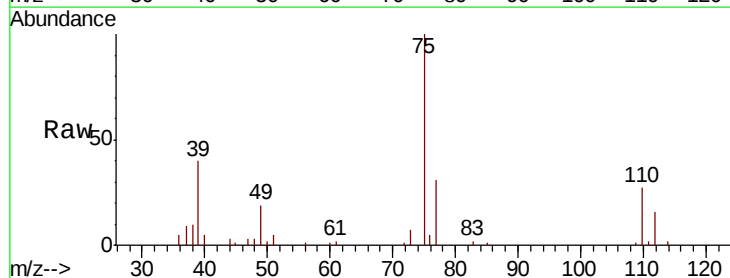
Acq: 12 Jul 2019 12:29

Tgt Ion: 75 Resp: 22562

Ion Ratio Lower Upper

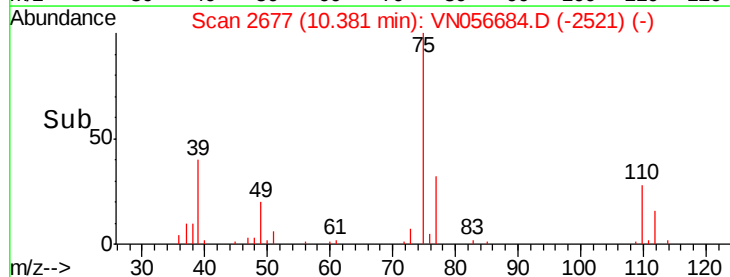
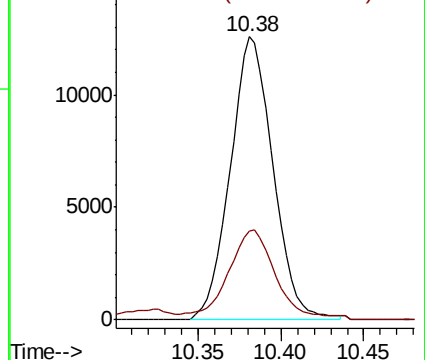
75 100

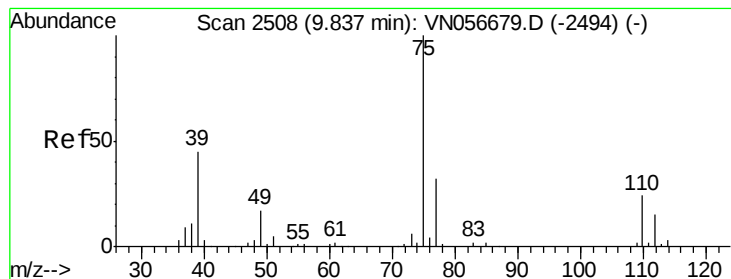
77 29.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



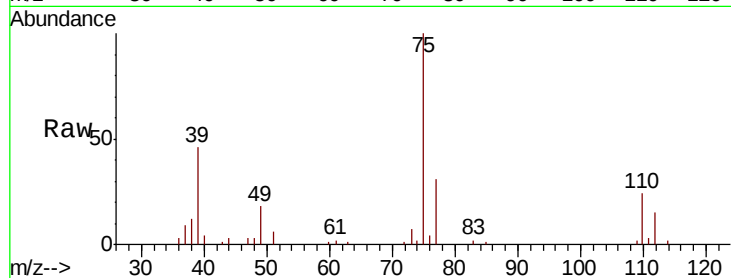


#49

cis-1,3-Dichloropropene
Concen: 4.794 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.0	39.0
39	46.0	36.2	54.4

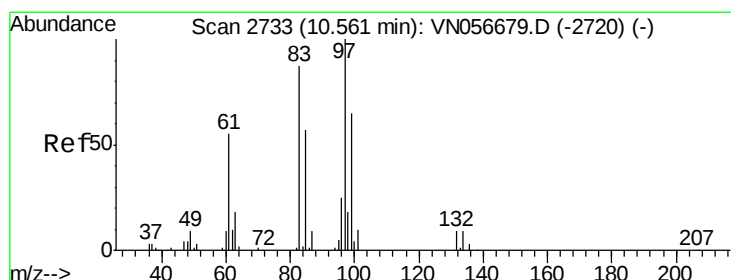
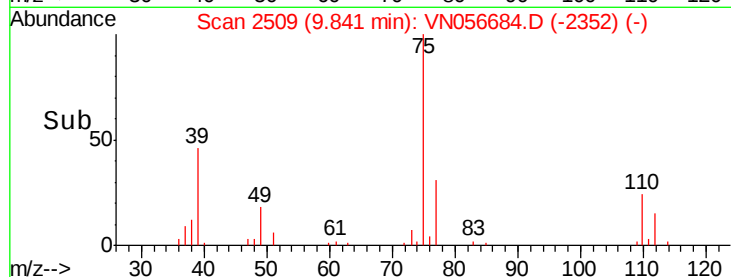
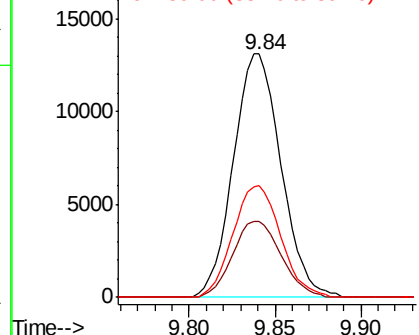


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

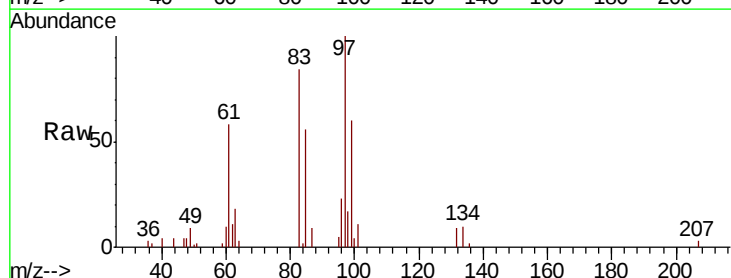
Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane
Concen: 5.427 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.0	69.2	103.8
85	56.4	45.3	67.9
99	60.4	51.6	77.4



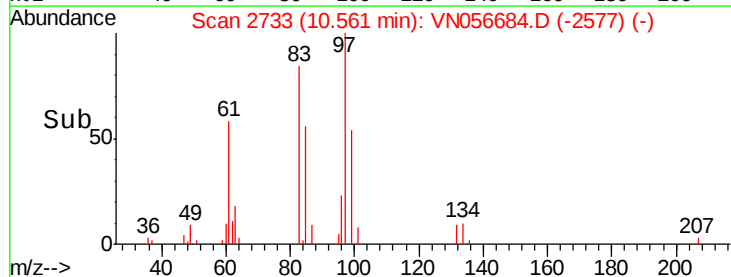
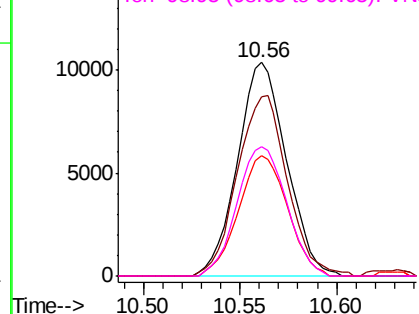
Abundance

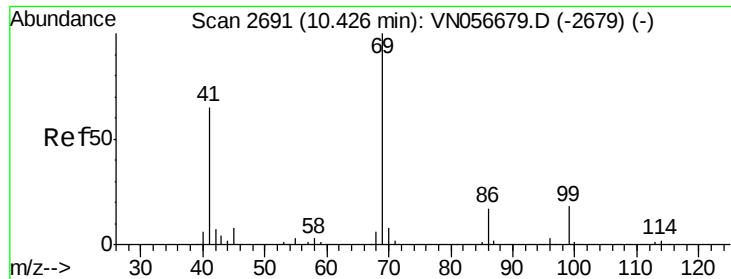
Ion 97.00 (96.70 to 97.70): VN0

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

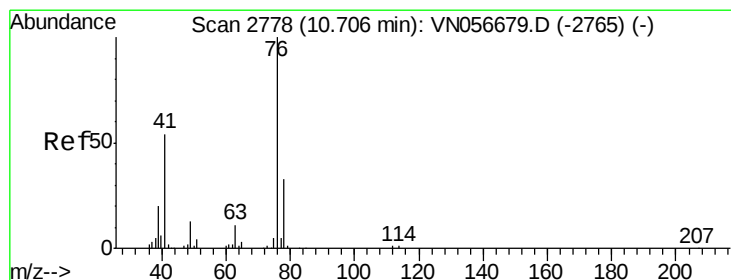
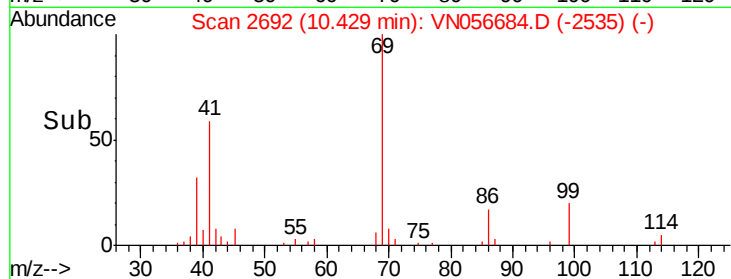
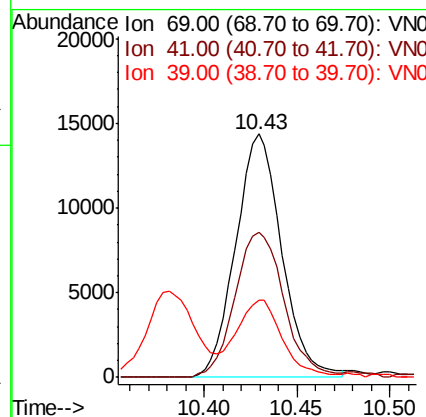
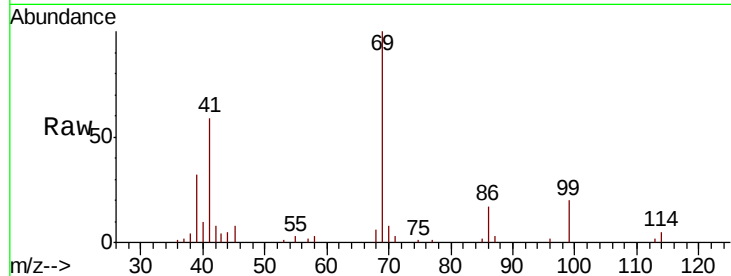




#51
Ethyl methacrylate
Concen: 4.717 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

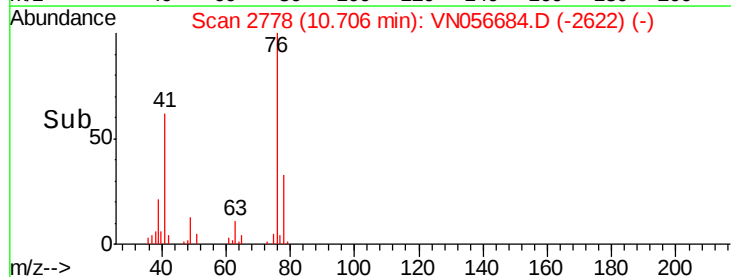
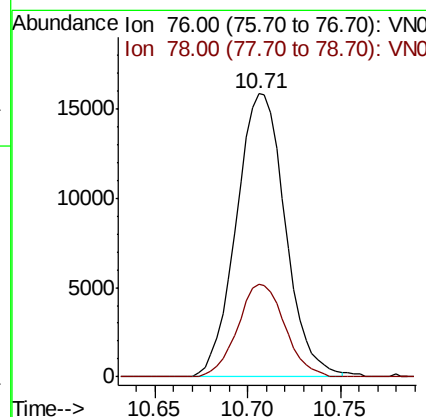
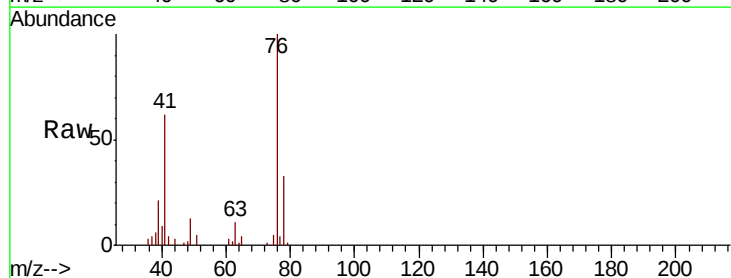
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

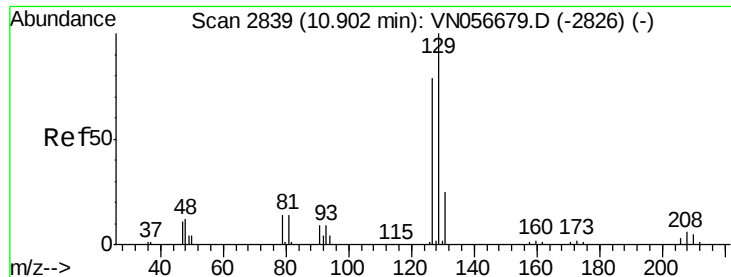
Tot Ion: 69 Resp: 24805
Ion Ratio Lower Upper
69 100
41 59.4 32.8 98.3
39 30.3 15.4 46.2



#52
1,3-Dichloropropane
Concen: 5.078 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Tgt Ion: 76 Resp: 29125
Ion Ratio Lower Upper
76 100
78 31.6 0.0 63.6





#53

Dibromochloromethane

Concen: 4.837 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

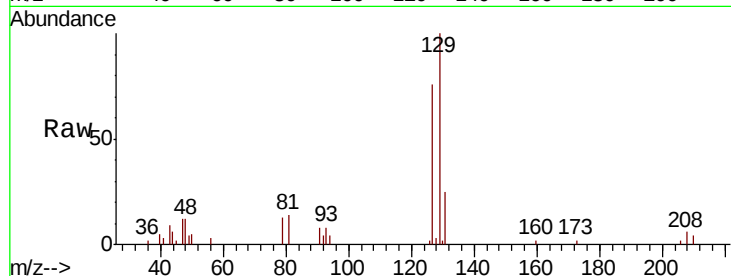
VSTDIC005

Tot Ion:129 Resp: 16050

Ion Ratio Lower Upper

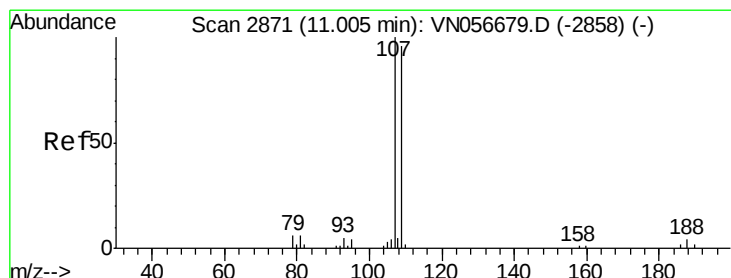
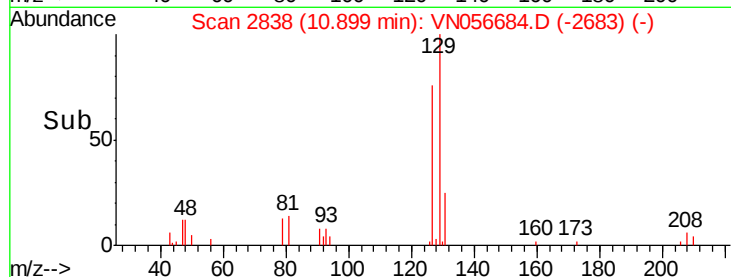
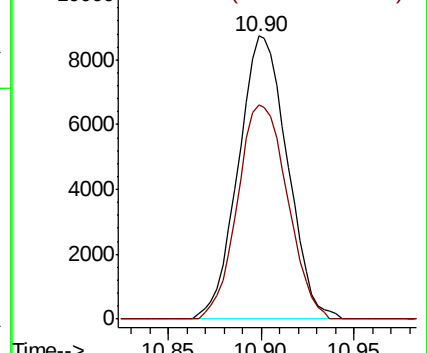
129 100

127 76.9 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 5.148 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056684.D

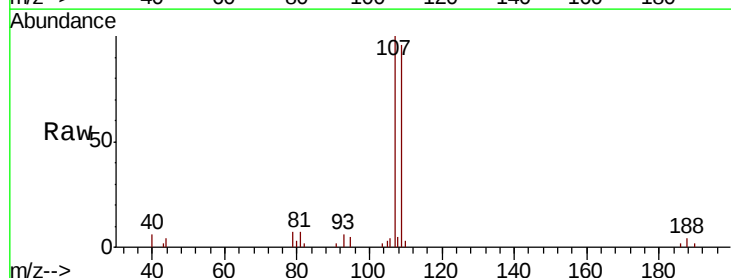
Acq: 12 Jul 2019 12:29

Tgt Ion:107 Resp: 18062

Ion Ratio Lower Upper

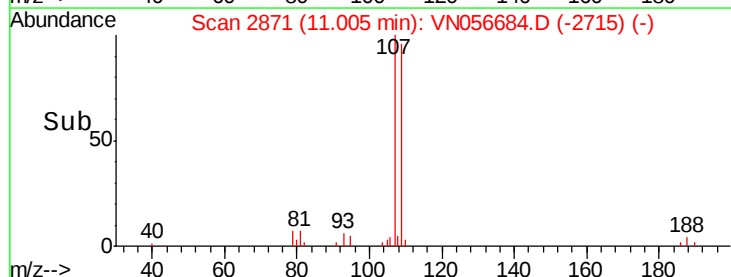
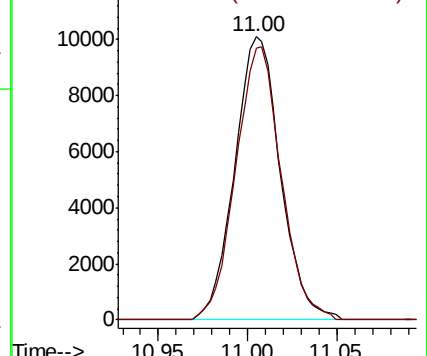
107 100

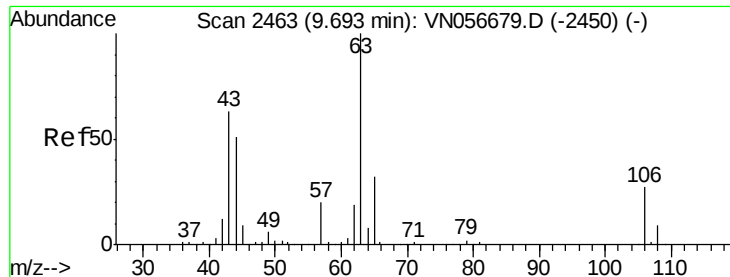
109 95.8 77.9 116.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

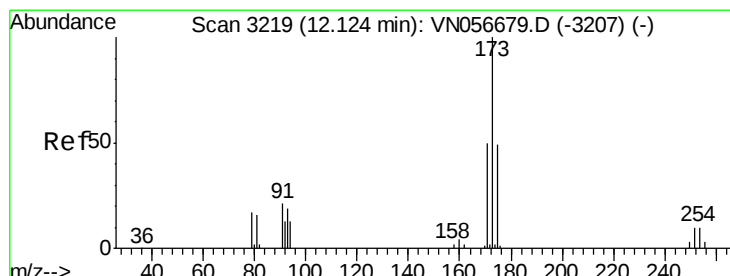
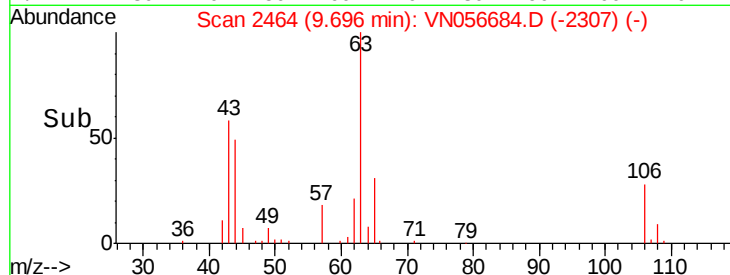
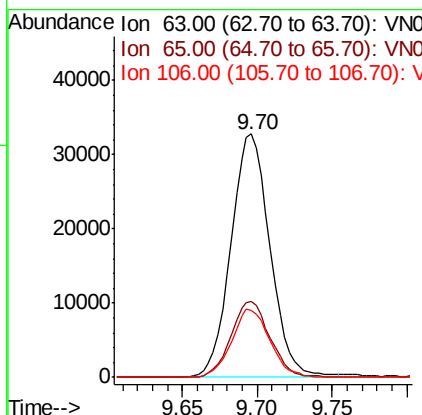
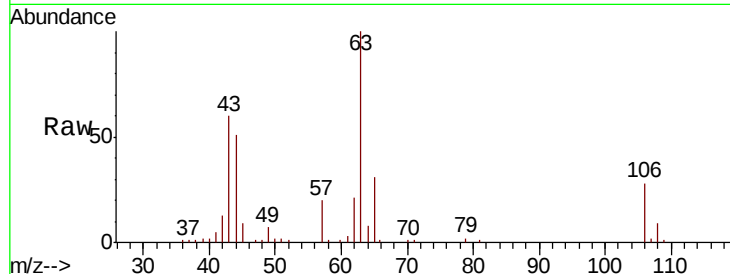




#55
2-Chloroethyl vinyl ether
Concen: 22.477 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

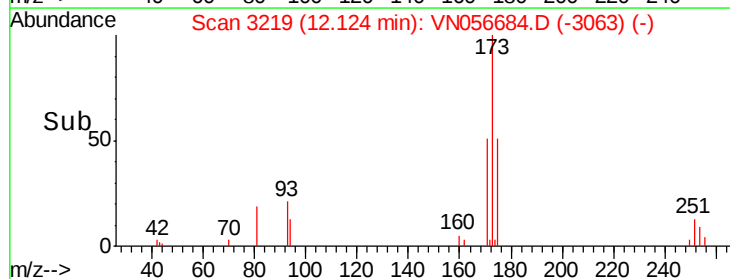
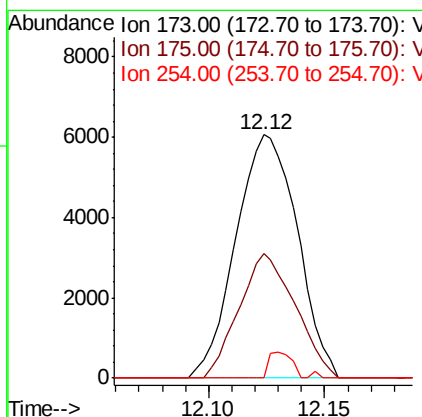
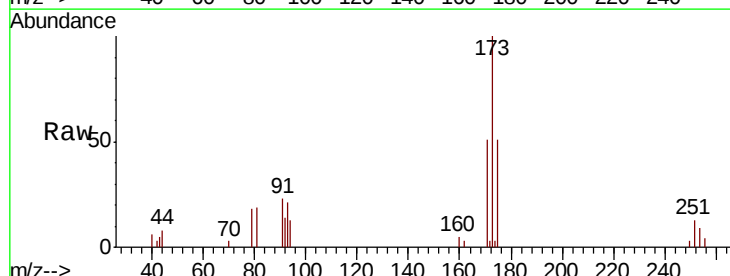
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

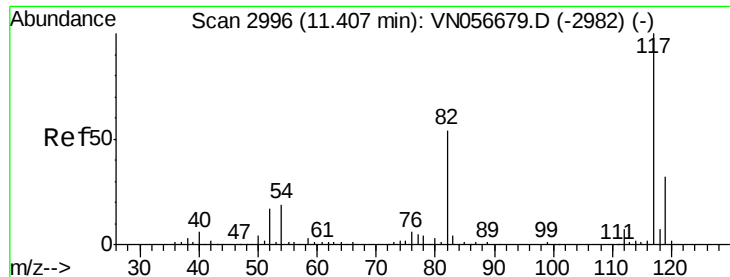
Tot Ion: 63 Resp: 59693
Ion Ratio Lower Upper
63 100
65 31.0 25.2 37.8
106 27.3 21.6 32.4



#56
Bromoform
Concen: 4.602 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Tgt Ion: 173 Resp: 11181
Ion Ratio Lower Upper
173 100
175 46.9 39.7 59.5
254 4.0 7.8 11.8#

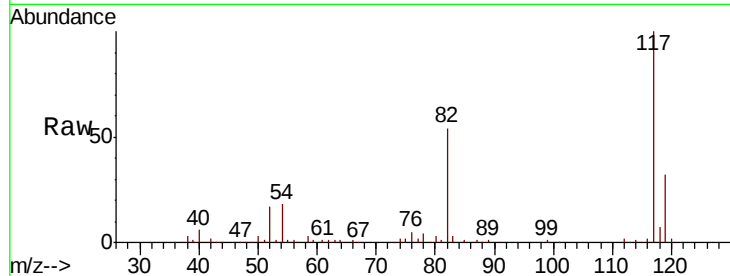




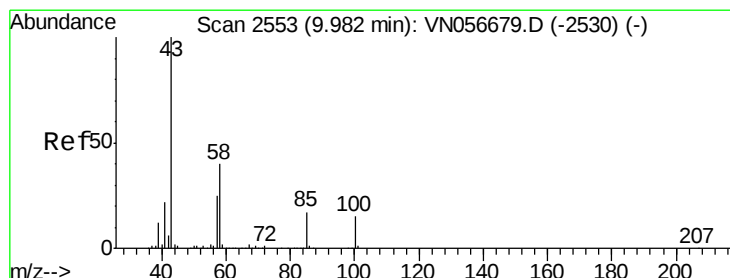
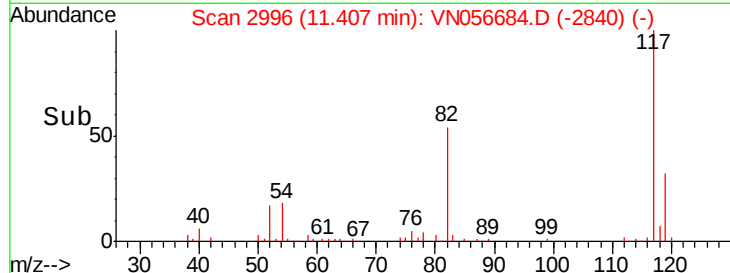
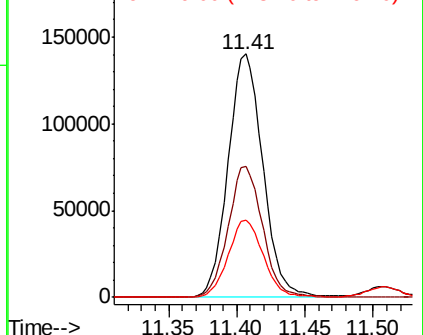
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:117 Resp: 248851
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.4
119 31.9 26.0 39.0

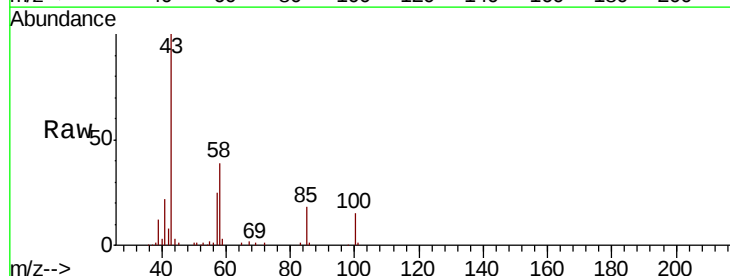


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

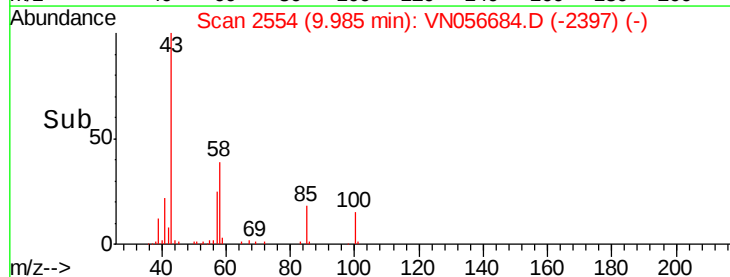
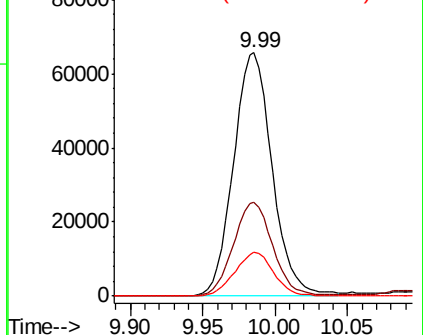


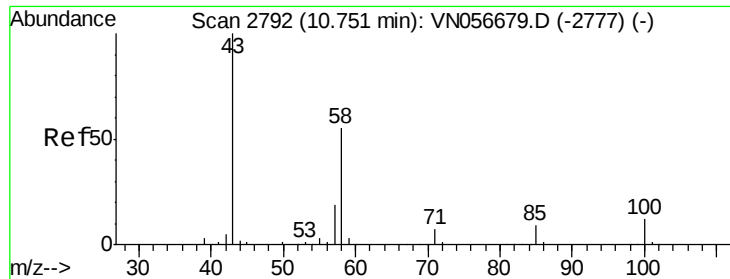
#58
4-Methyl-2-Pentanone
Concen: 26.674 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Tgt Ion: 43 Resp: 121182
Ion Ratio Lower Upper
43 100
58 39.7 31.9 47.9
85 18.2 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

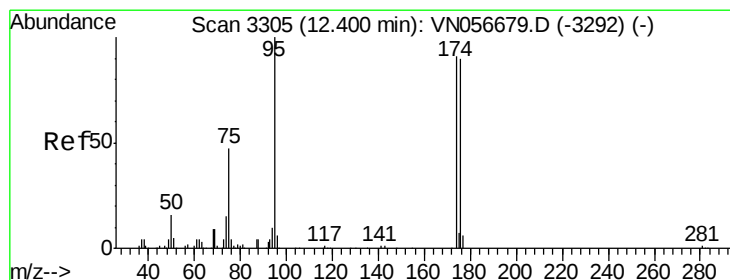
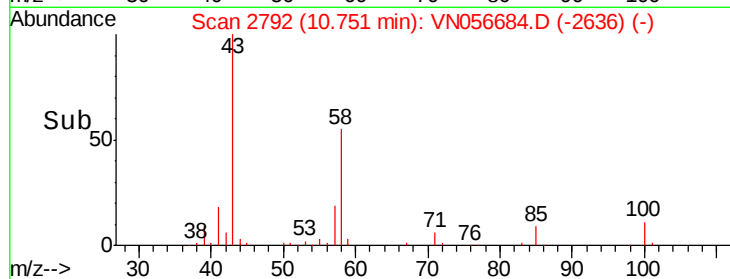
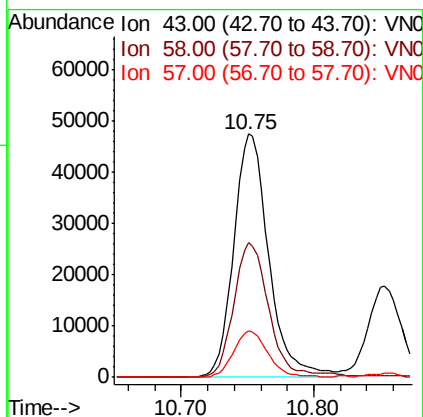
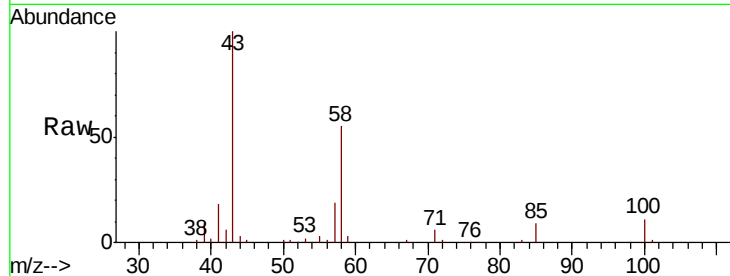




#59
2-Hexanone
Concen: 25.593 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

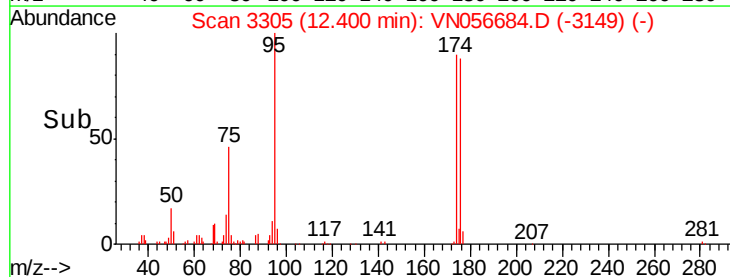
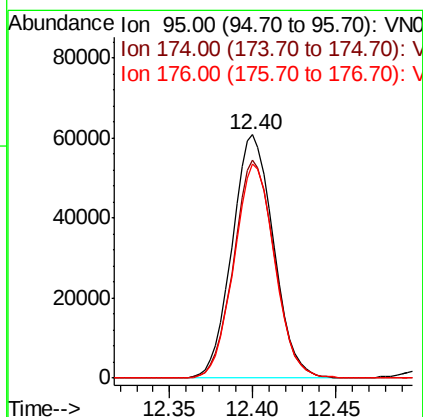
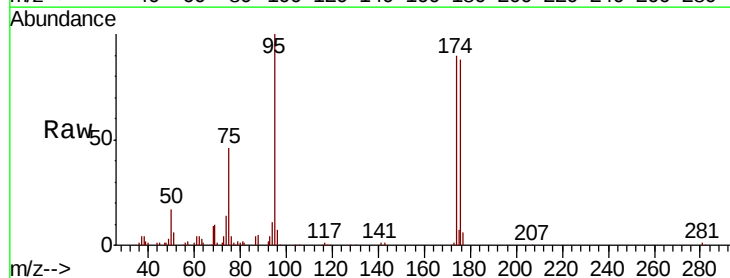
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

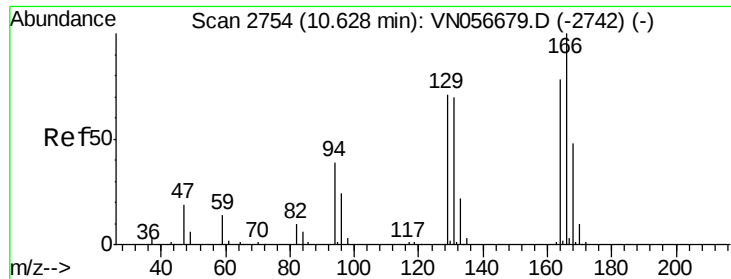
Tot Ion: 43 Resp: 87457
Ion Ratio Lower Upper
43 100
58 54.6 44.4 66.6
57 18.8 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 27.580 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Tgt Ion: 95 Resp: 105889
Ion Ratio Lower Upper
95 100
174 88.4 72.6 108.8
176 86.3 71.0 106.6





#61

Tetrachloroethene

Concen: 6.121 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 19888

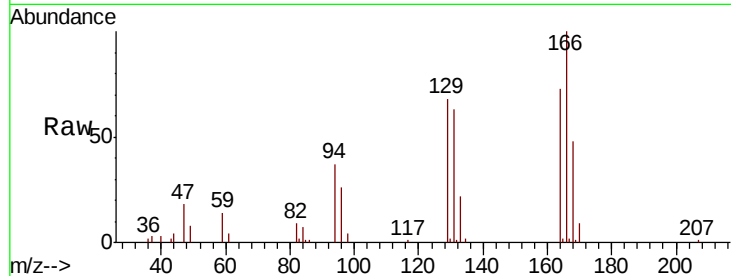
Ion Ratio Lower Upper

164 100

166 137.0 102.3 153.5

129 93.8 72.6 108.8

131 86.3 71.4 107.2

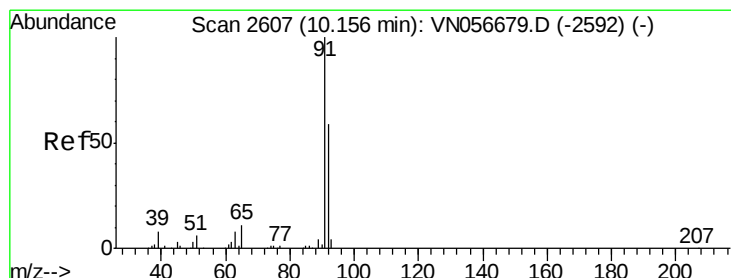
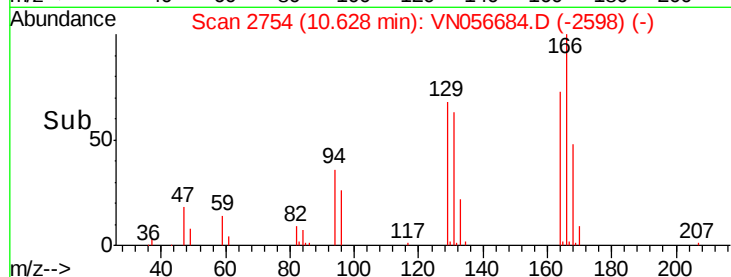
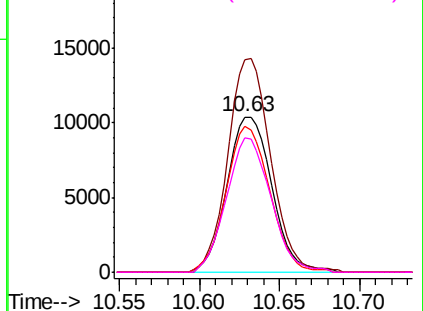


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.339 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056684.D

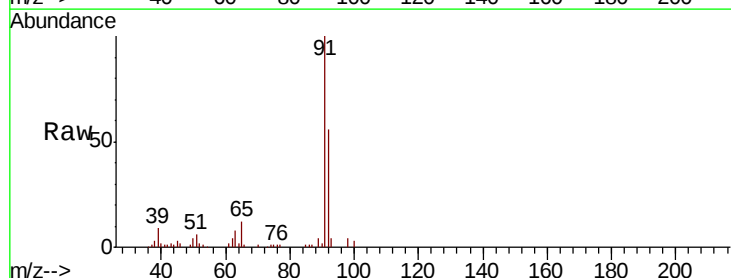
Acq: 12 Jul 2019 12:29

Tgt Ion: 91 Resp: 75579

Ion Ratio Lower Upper

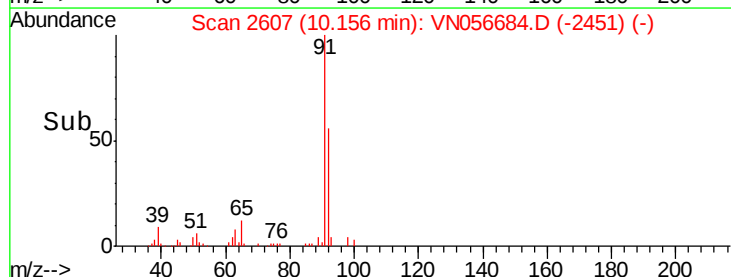
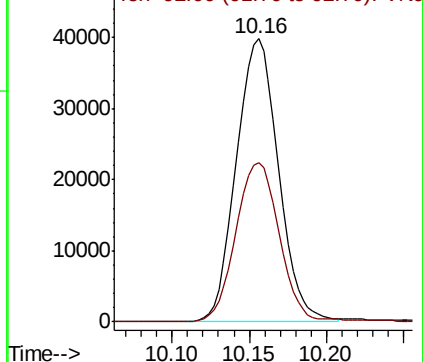
91 100

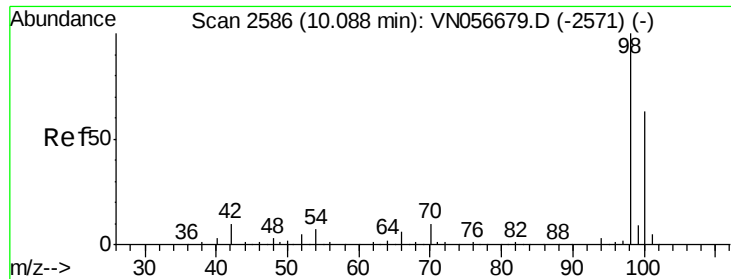
92 57.5 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.249 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

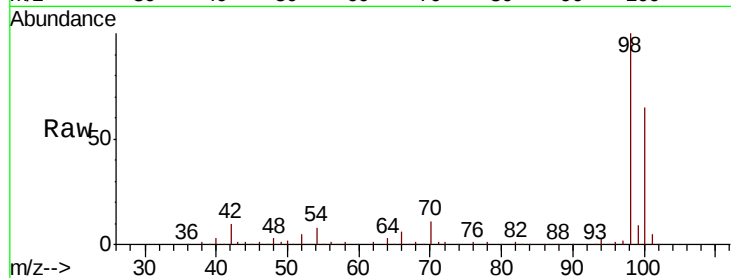
VSTDIC005

Tot Ion: 98 Resp: 349066

Ion Ratio Lower Upper

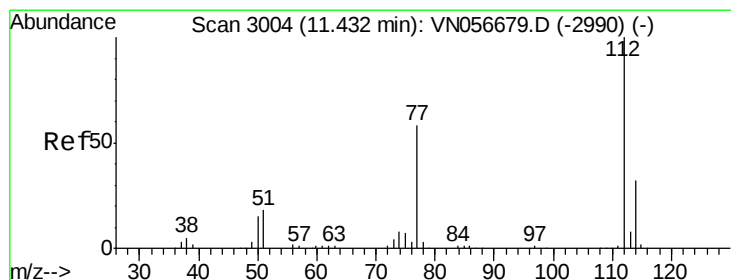
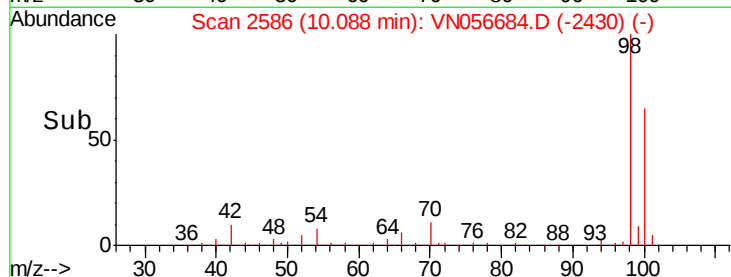
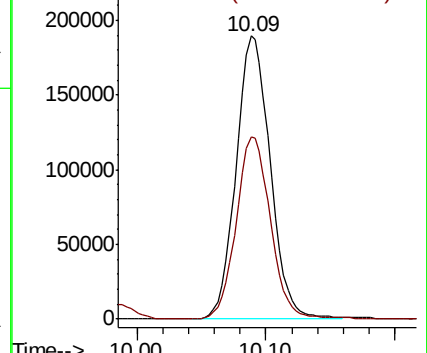
98 100

100 64.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 5.378 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056684.D

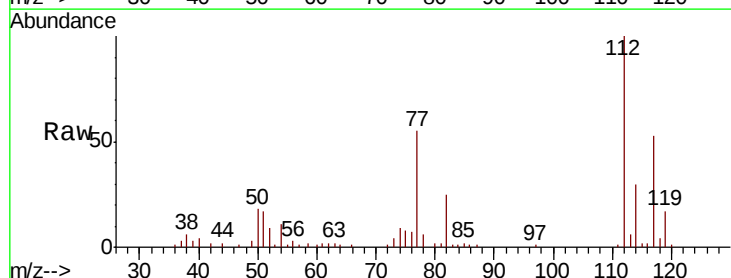
Acq: 12 Jul 2019 12:29

Tgt Ion: 112 Resp: 45928

Ion Ratio Lower Upper

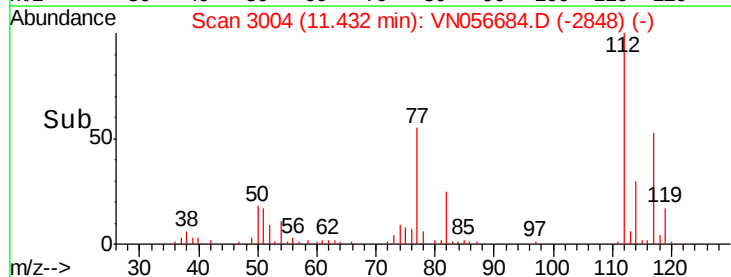
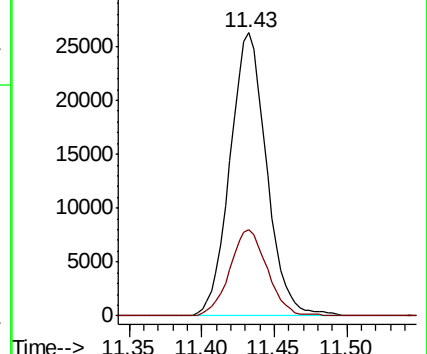
112 100

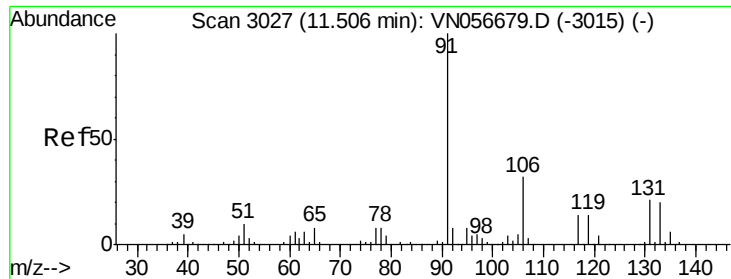
114 30.4 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

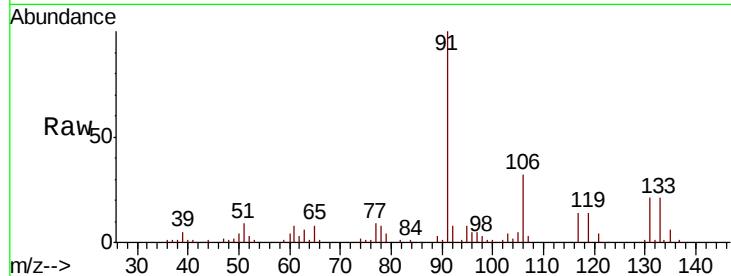




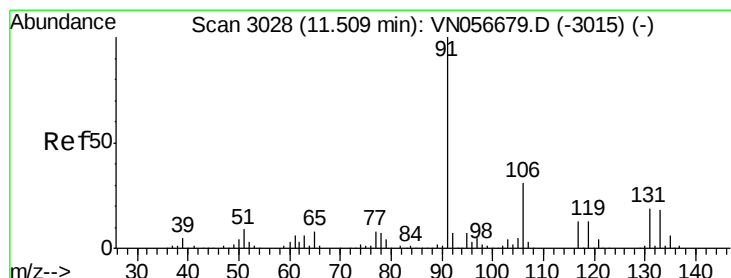
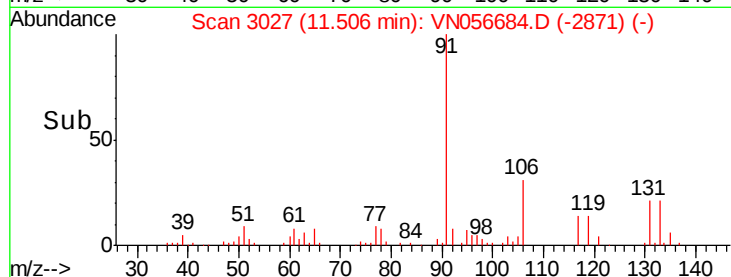
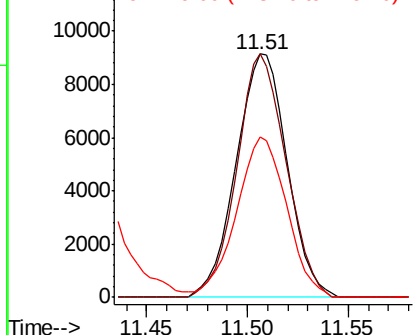
#65
 1,1,1,2-Tetrachloroethane
 Concen: 5.228 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:131 Resp: 16199
 Ion Ratio Lower Upper
 131 100
 133 96.0 0.0 191.4
 119 64.9 0.0 133.4

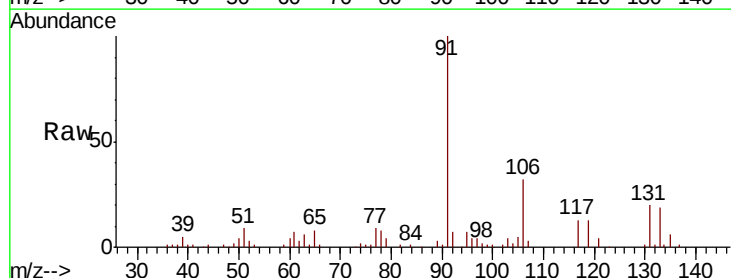


Abundance Ion 131.00 (130.70 to 131.70): V
 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V

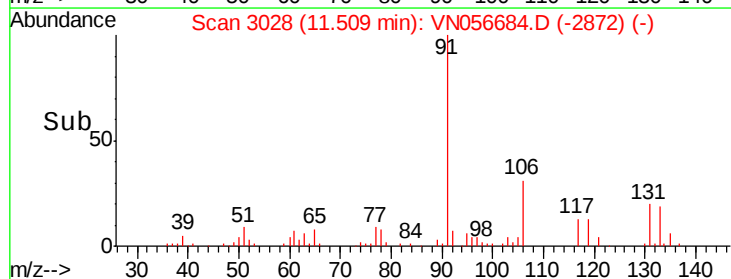
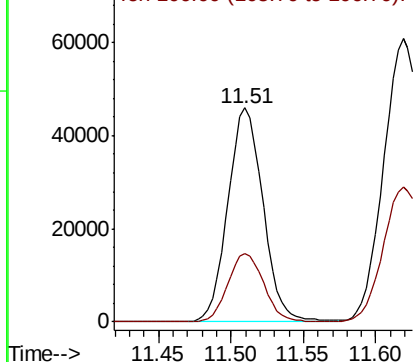


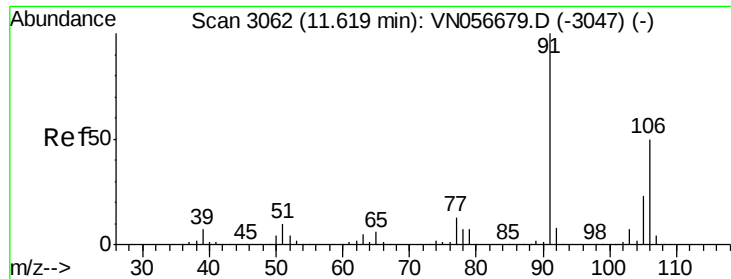
#66
 Ethyl Benzene
 Concen: 5.060 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

Tgt Ion: 91 Resp: 77762
 Ion Ratio Lower Upper
 91 100
 106 31.9 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0
 Ion 106.00 (105.70 to 106.70): V

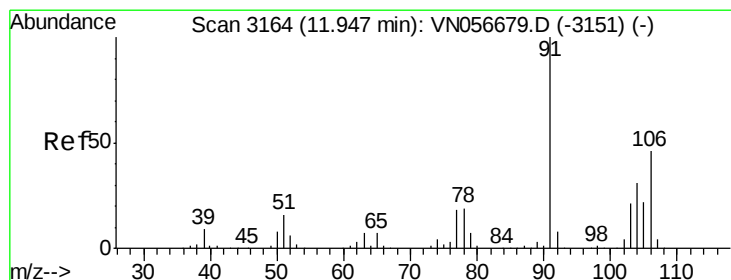
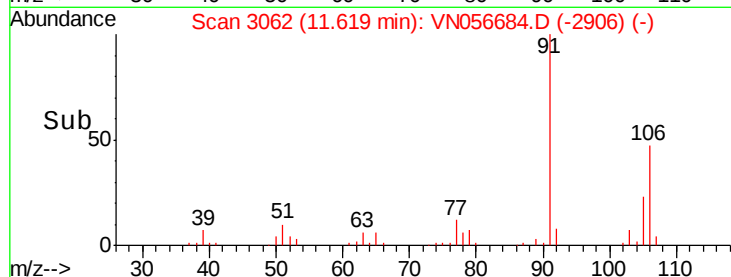
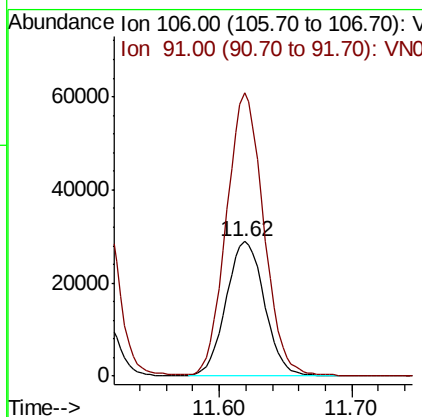
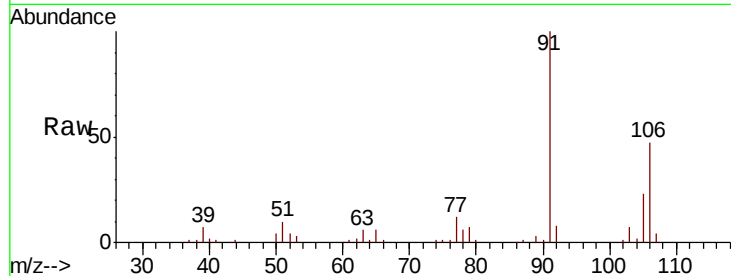




#67
m/p-Xylenes
Concen: 10.235 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

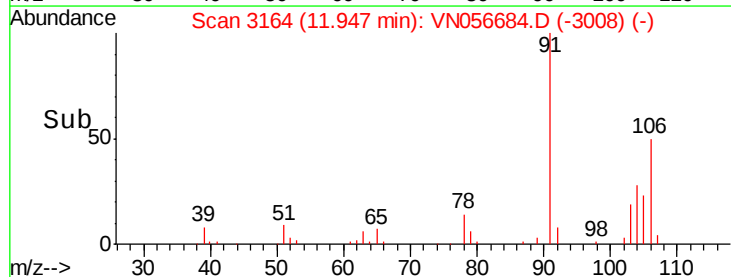
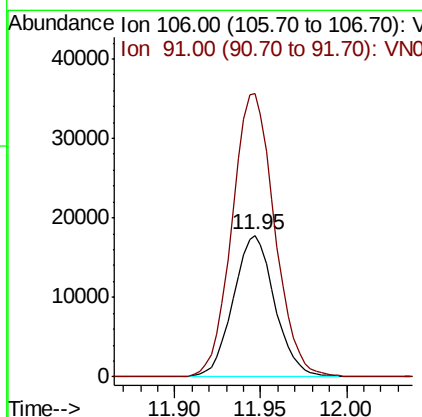
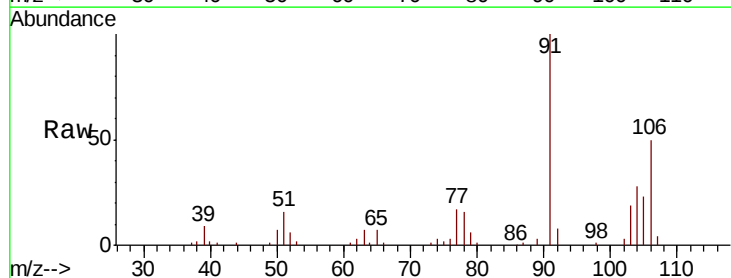
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

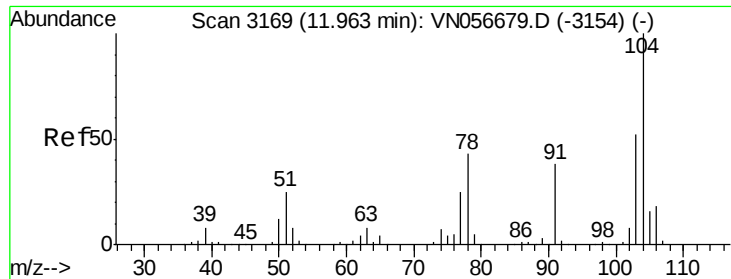
Tot Ion:106 Resp: 58389
Ion Ratio Lower Upper
106 100
91 203.9 161.8 242.8



#68
o-Xylene
Concen: 5.352 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Tgt Ion:106 Resp: 29959
Ion Ratio Lower Upper
106 100
91 205.1 108.1 324.2

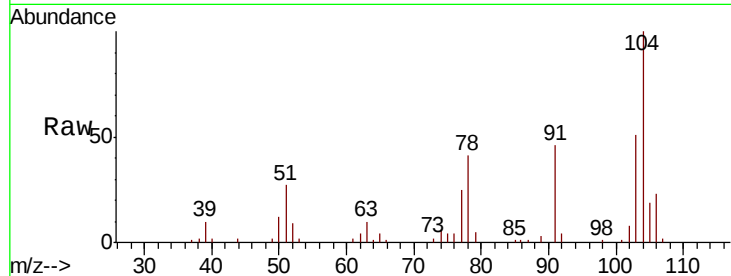




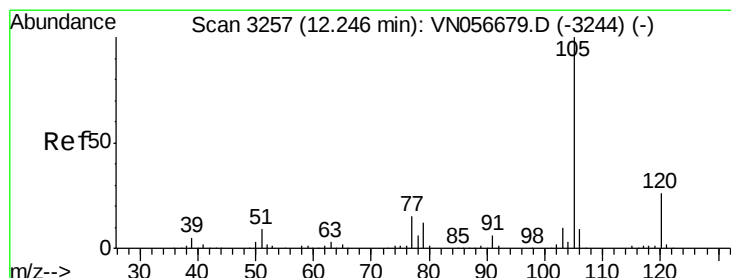
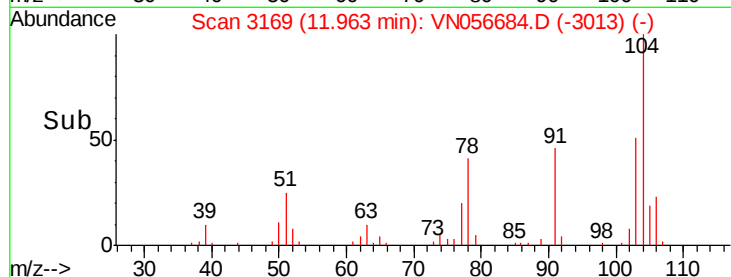
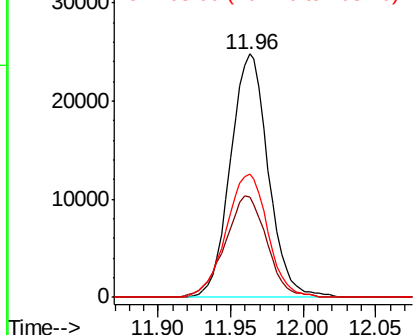
#69
Stvrene
Concen: 4.834 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:104 Resp: 44986
Ion Ratio Lower Upper
104 100
78 46.0 38.7 58.1
103 55.5 45.0 67.4

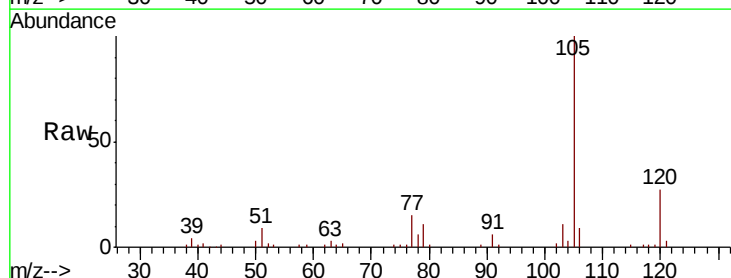


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

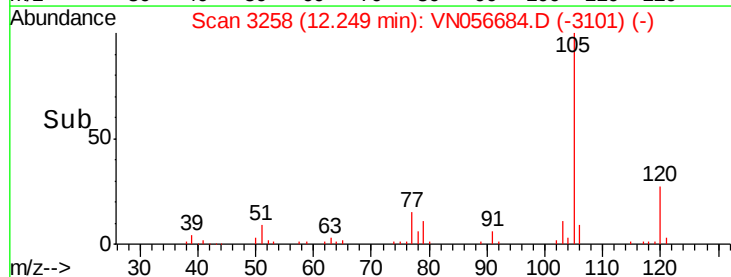
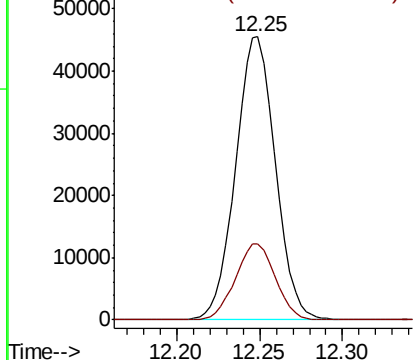


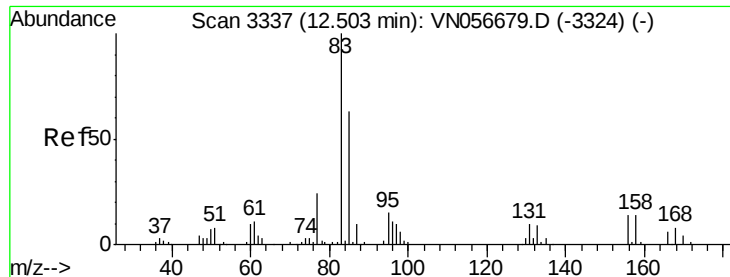
#70
Isopropylbenzene
Concen: 5.174 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Tgt Ion:105 Resp: 75850
Ion Ratio Lower Upper
105 100
120 26.9 18.6 34.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

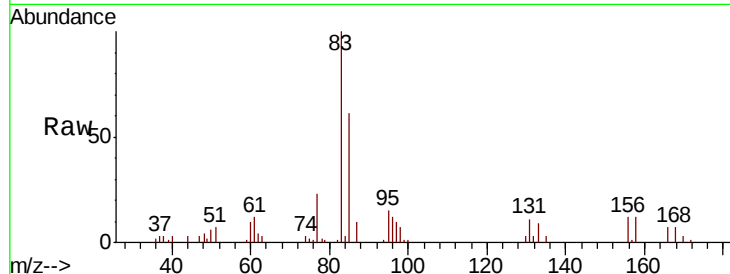




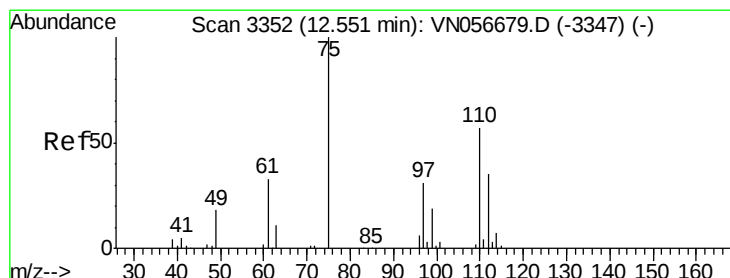
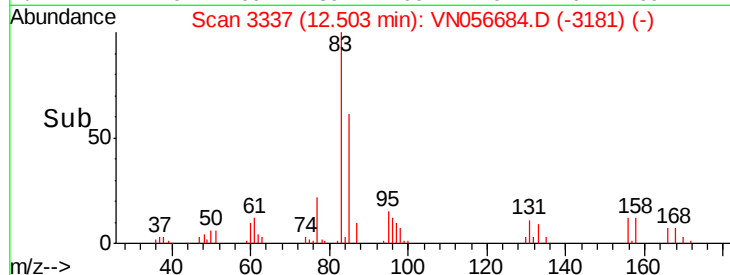
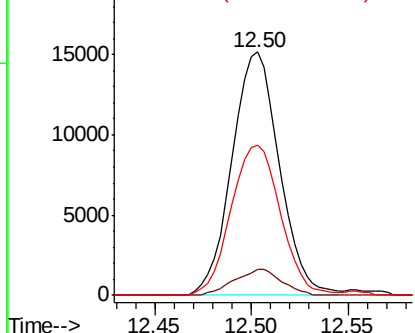
#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.377 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 83 Resp: 25920
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.1 15.3
 85 64.1 31.9 95.7

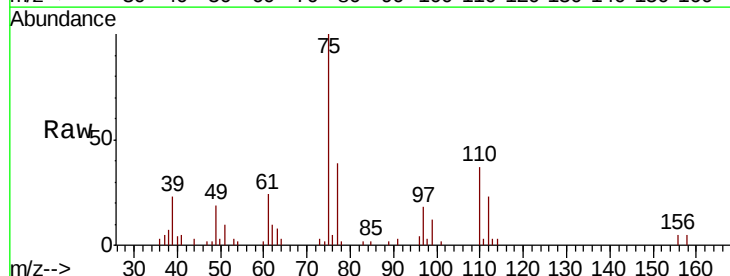


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

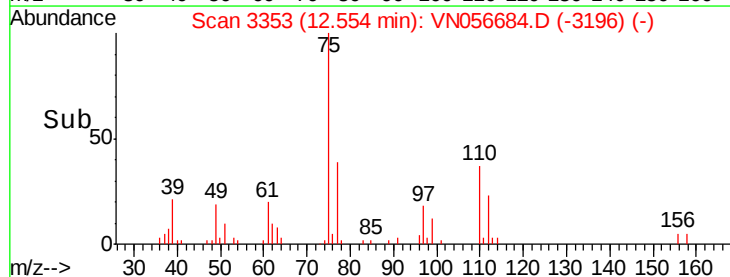
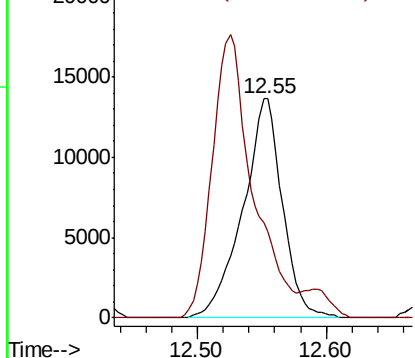


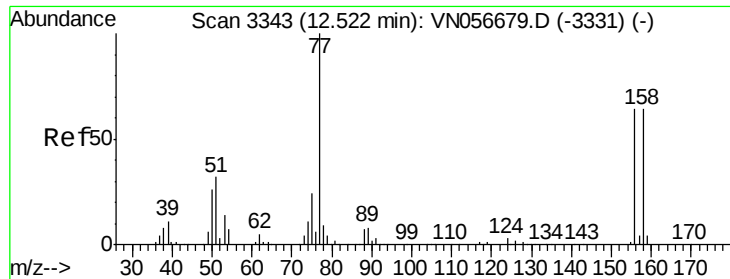
#72
 1,2,3-Trichloropropane
 Concen: 7.199 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

Tgt Ion: 75 Resp: 29113
 Ion Ratio Lower Upper
 75 100
 77 132.6 0.0 352.2



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 5.100 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

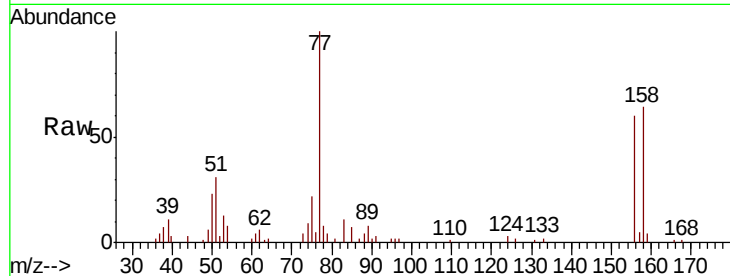
Tot Ion:156 Resp: 19305

Ion Ratio Lower Upper

156 100

77 200.0 0.0 381.8

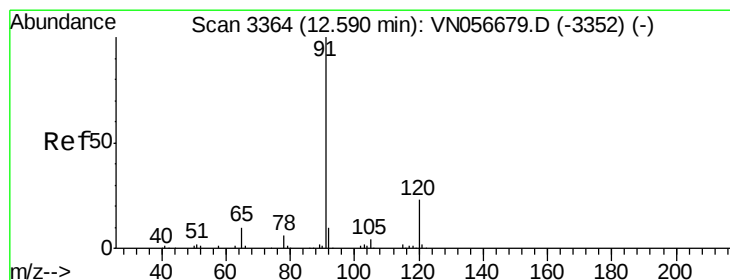
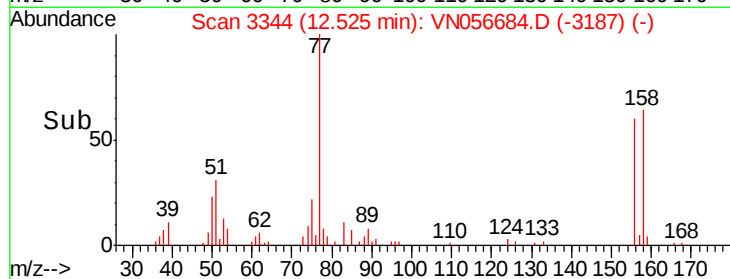
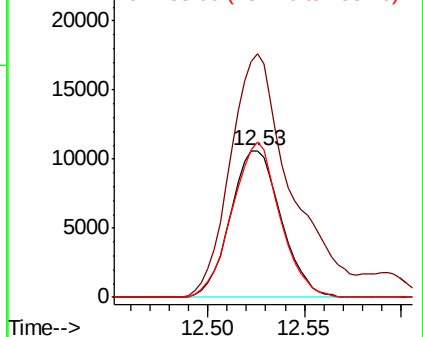
158 99.9 0.0 195.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 4.783 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056684.D

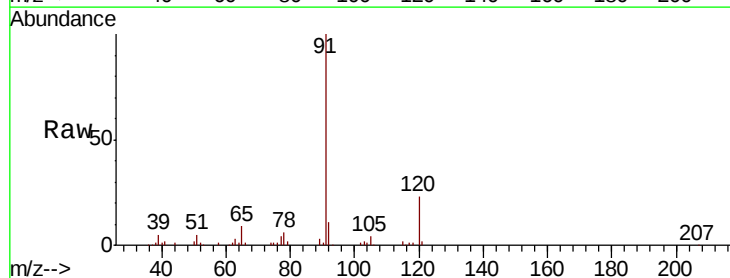
Acq: 12 Jul 2019 12:29

Tgt Ion: 91 Resp: 79955

Ion Ratio Lower Upper

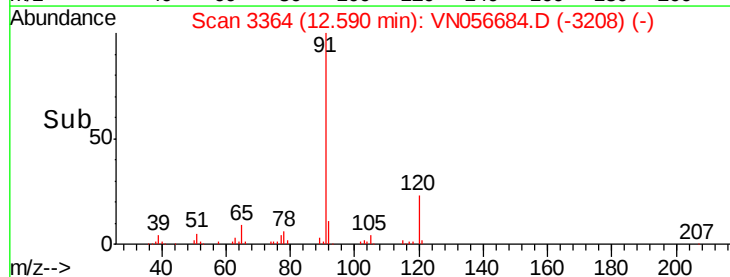
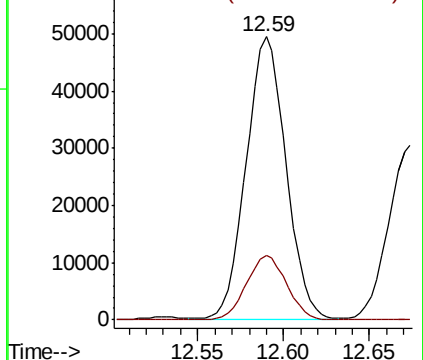
91 100

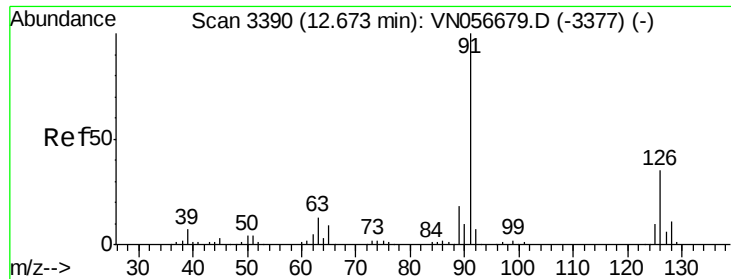
120 22.8 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.164 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampled :

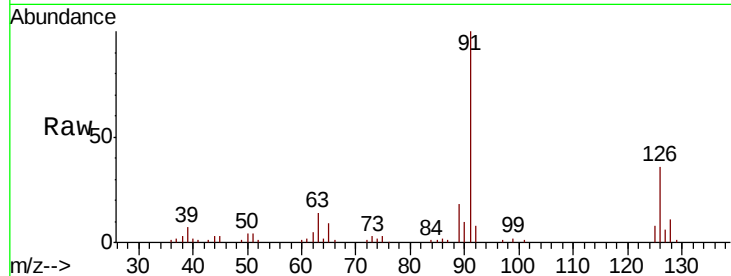
VSTDIC005

Tot Ion: 91 Resp: 51470

Ion Ratio Lower Upper

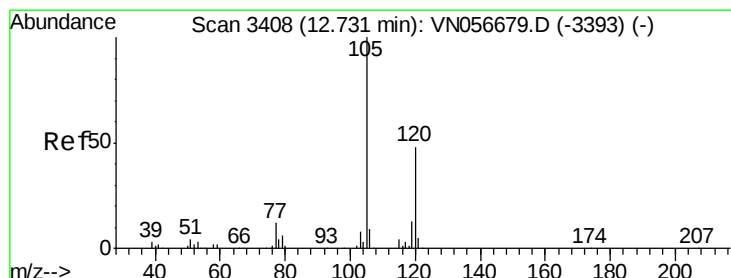
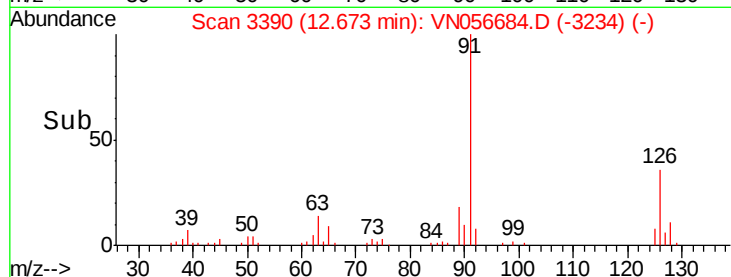
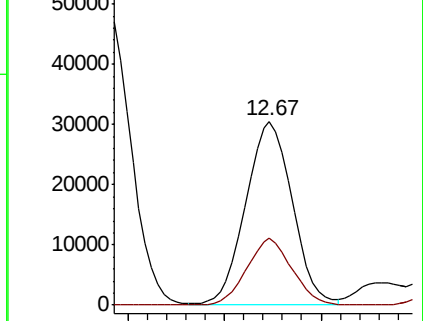
91 100

126 34.9 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056679.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 5.081 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056684.D

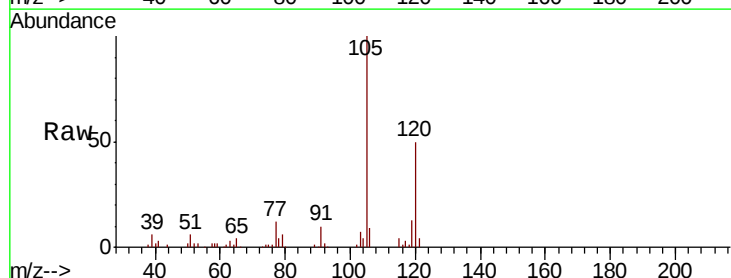
Acq: 12 Jul 2019 12:29

Tgt Ion:105 Resp: 63466

Ion Ratio Lower Upper

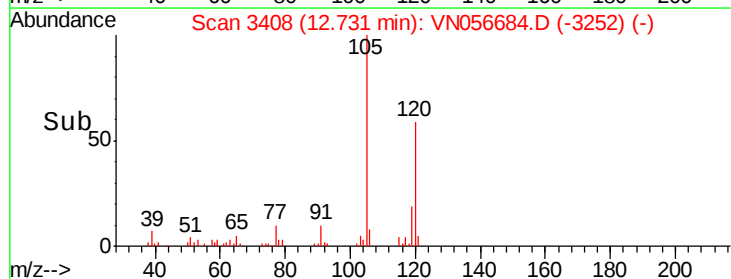
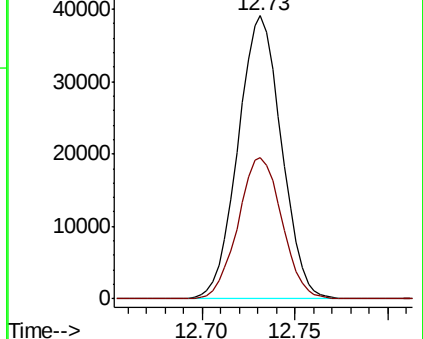
105 100

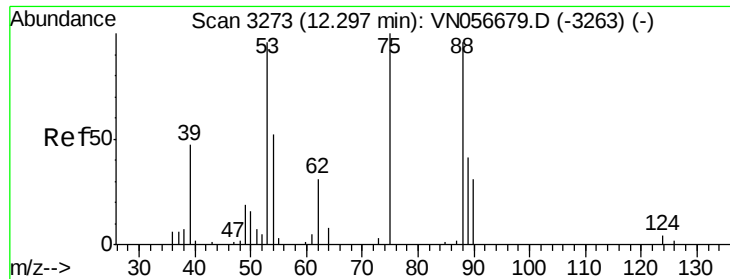
120 50.3 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): VN056679.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056679.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 3.911 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

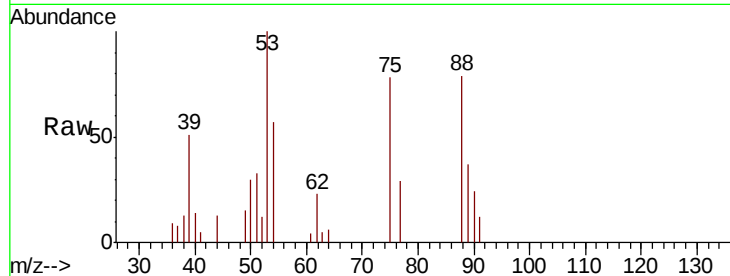
Tot Ion: 75 Resp: 5144

Ion Ratio Lower Upper

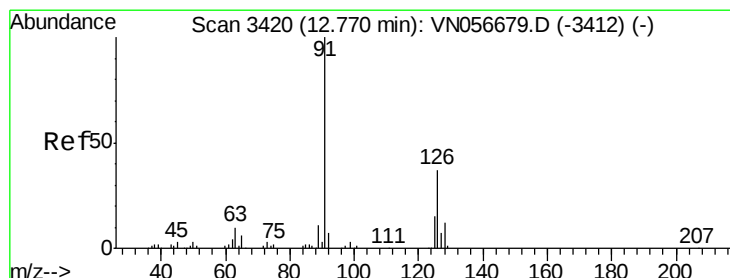
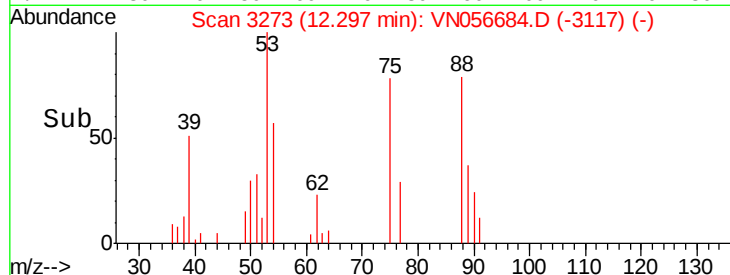
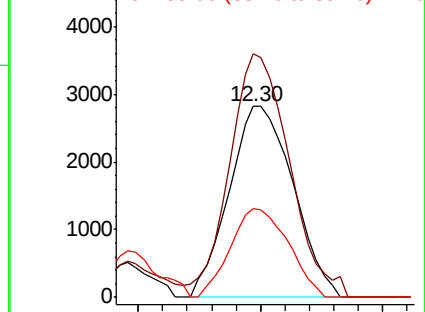
75 100

53 120.8 48.6 145.8

89 46.6 21.3 64.0



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 4.733 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056684.D

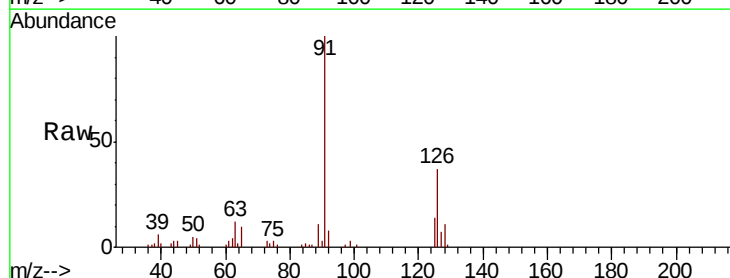
Acq: 12 Jul 2019 12:29

Tgt Ion: 91 Resp: 45783

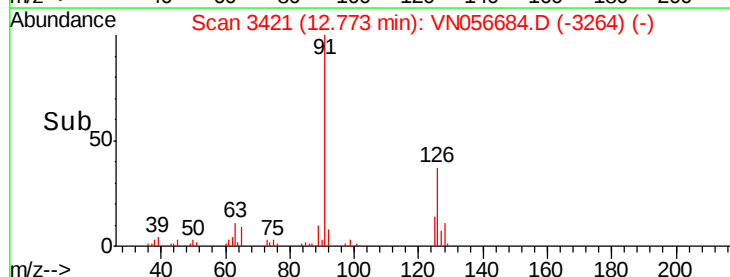
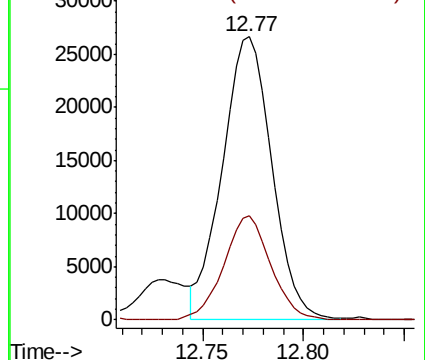
Ion Ratio Lower Upper

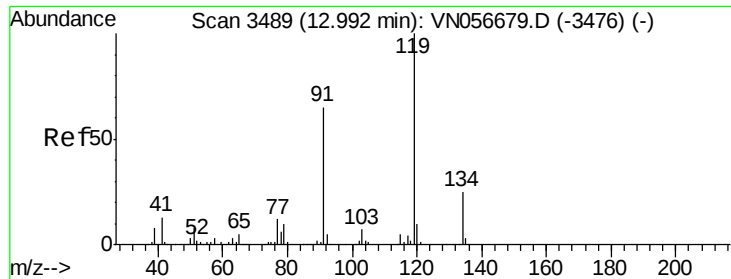
91 100

126 34.8 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V

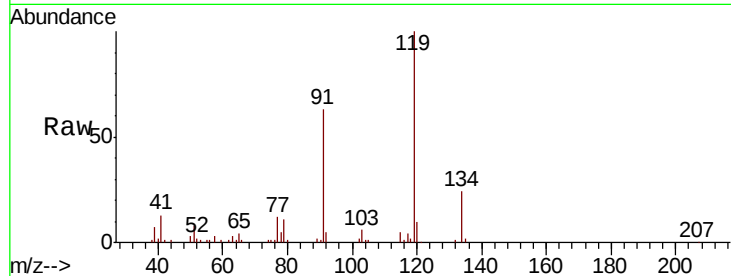




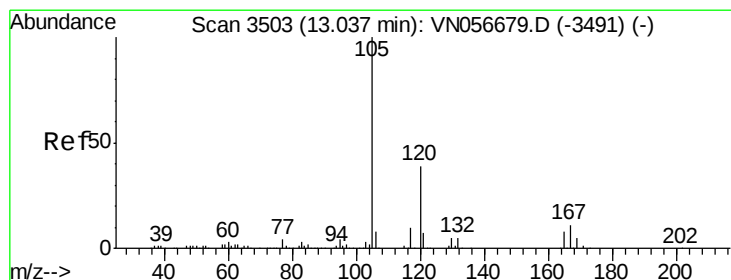
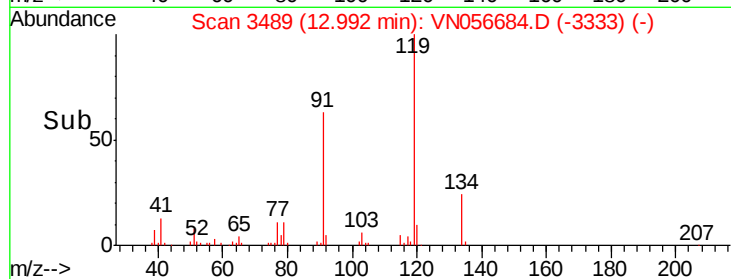
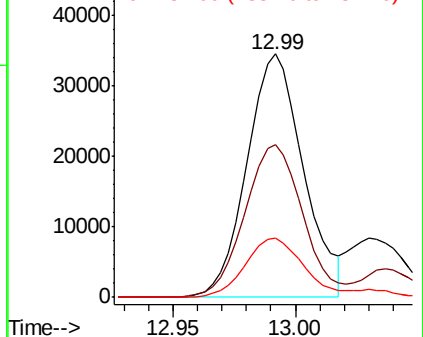
#79
tert-butylbenzene
Concen: 5.222 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:119 Resp: 55536
Ion Ratio Lower Upper
119 100
91 64.5 0.0 125.4
134 25.0 0.0 48.4

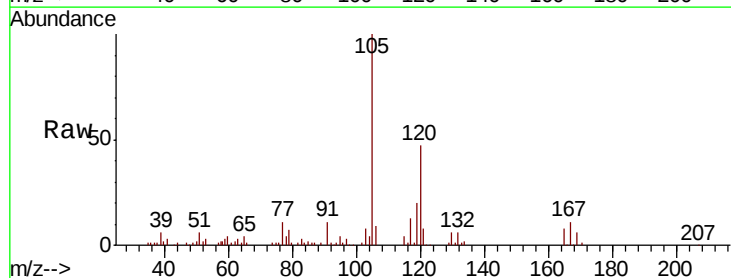


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

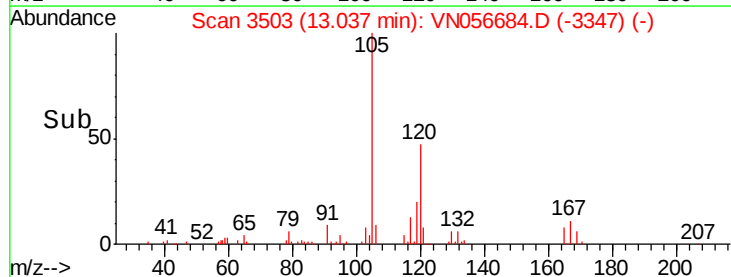
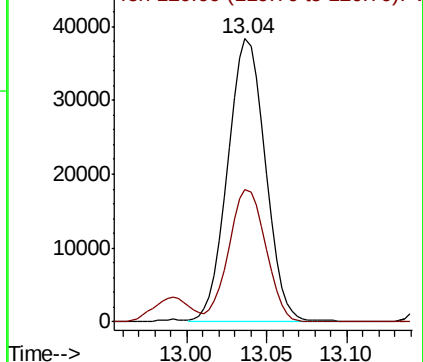


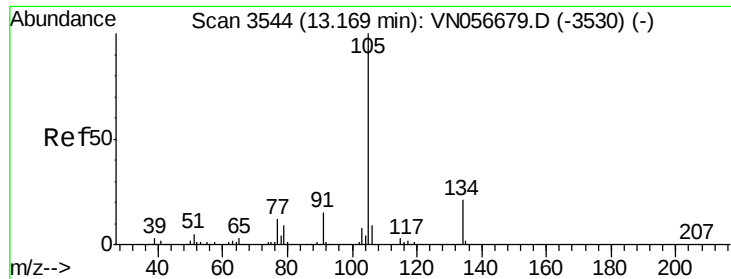
#80
1,2,4-Trimethylbenzene
Concen: 4.998 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056684.D
Acq: 12 Jul 2019 12:29

Tgt Ion:105 Resp: 61682
Ion Ratio Lower Upper
105 100
120 45.7 0.0 91.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

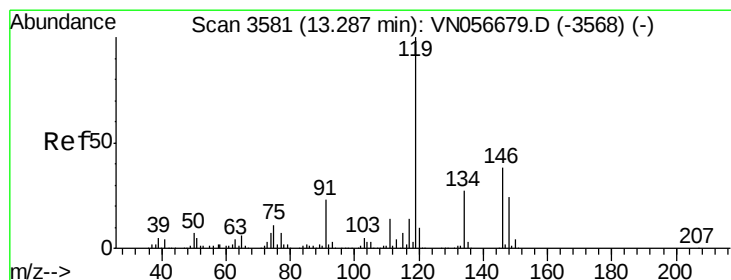
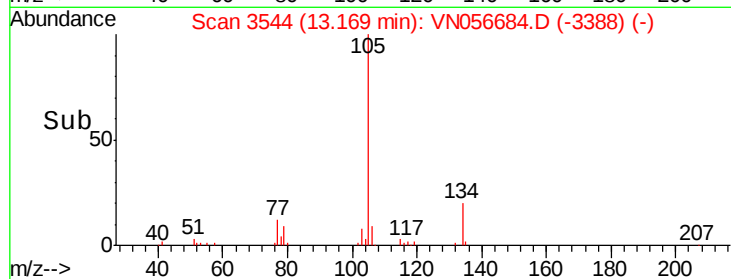
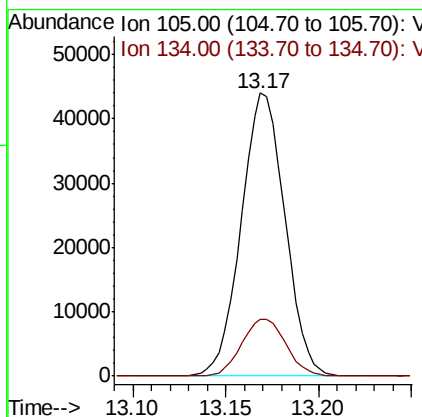
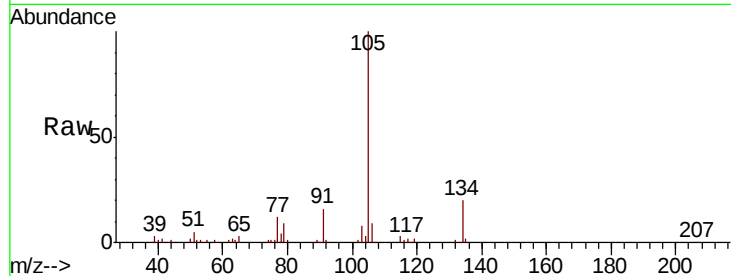




#81
 sec-Butylbenzene
 Concen: 5.096 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

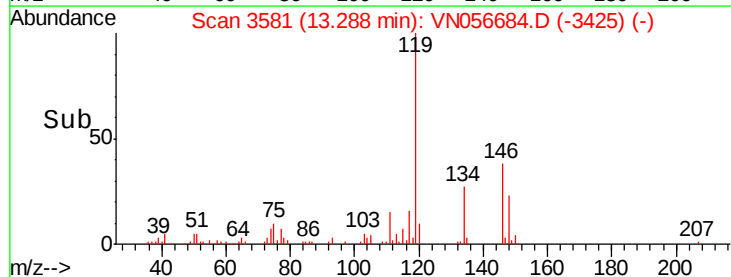
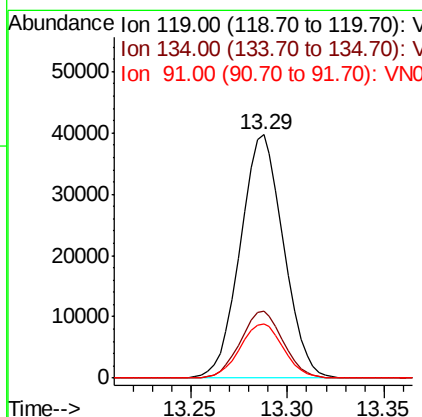
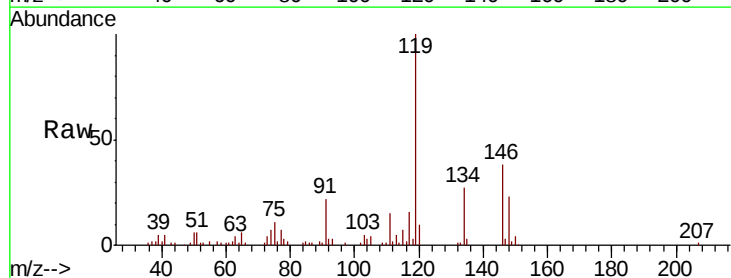
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

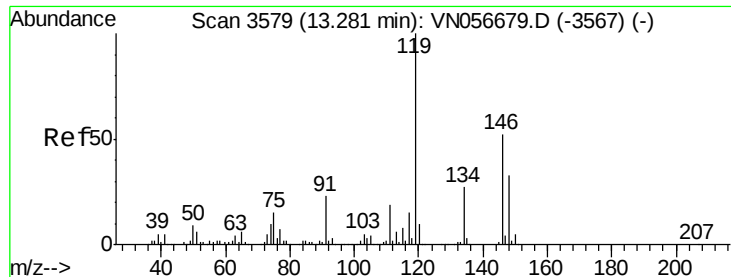
Tot Ion:105 Resp: 71967
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 4.833 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

Tgt Ion:119 Resp: 61648
 Ion Ratio Lower Upper
 119 100
 134 27.2 0.0 52.8
 91 22.4 0.0 45.4

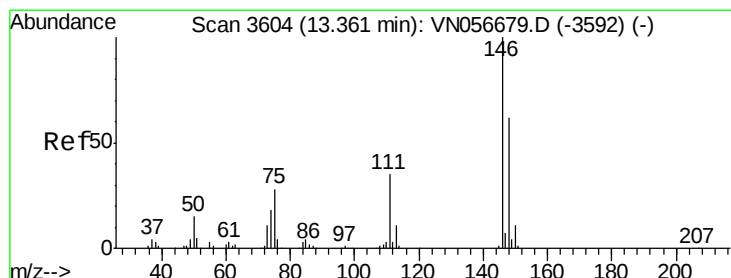
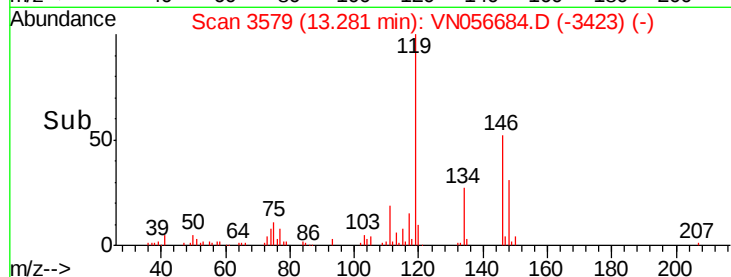
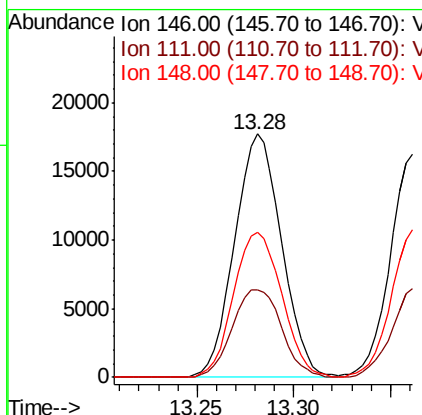
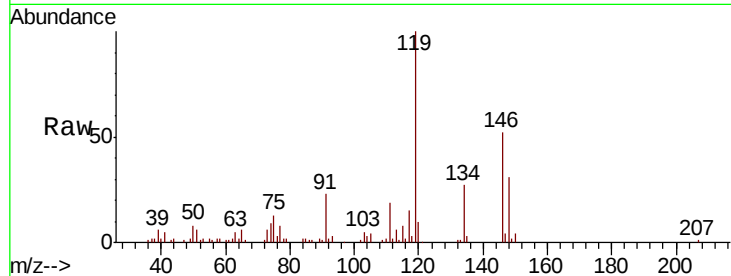




#83
 1,3-Dichlorobenzene
 Concen: 4.751 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

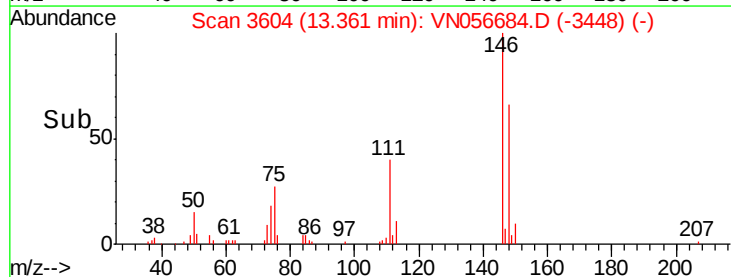
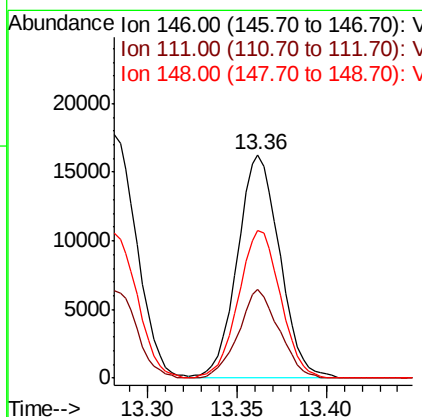
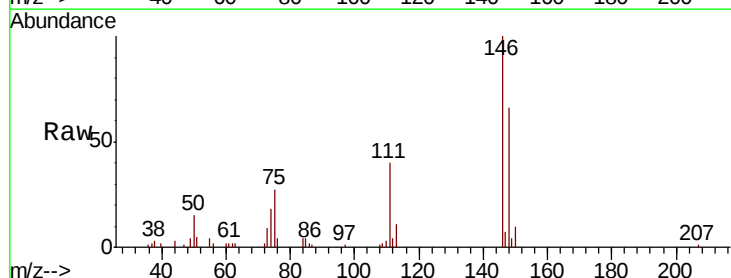
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

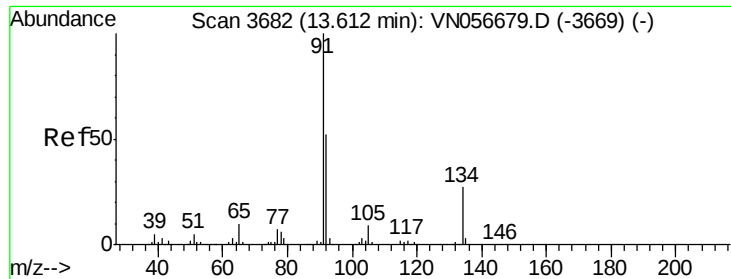
Tot Ion:146 Resp: 29972
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.7 56.1
 148 61.0 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 4.436 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056684.D
 Acq: 12 Jul 2019 12:29

Tgt Ion:146 Resp: 26934
 Ion Ratio Lower Upper
 146 100
 111 37.9 17.8 53.4
 148 65.8 31.9 95.5





#85

n-Butylbenzene

Concen: 4.292 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

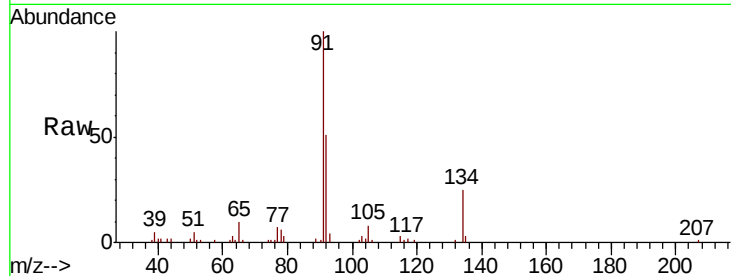
Tot Ion: 91 Resp: 45819

Ion Ratio Lower Upper

91 100

92 51.7 0.0 104.0

134 25.8 0.0 53.2



Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN056679.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN056679.D (-3669) (-)

Time-->

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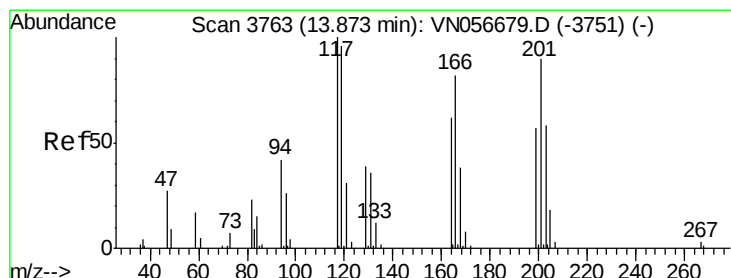
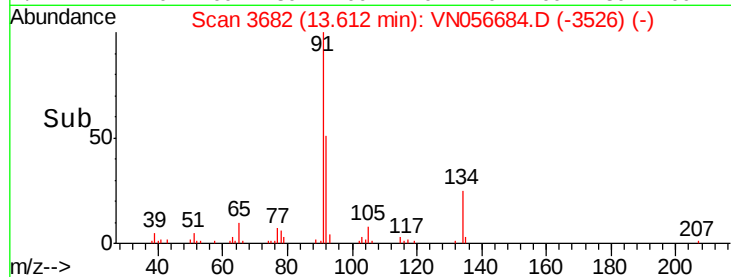
13.61

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13.61



#86

Hexachloroethane

Concen: 4.541 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056684.D

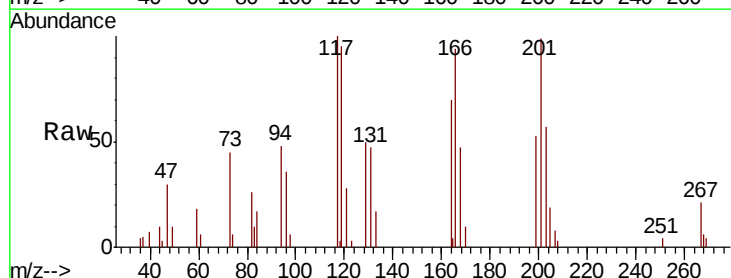
Acq: 12 Jul 2019 12:29

Tgt Ion: 117 Resp: 8809

Ion Ratio Lower Upper

117 100

201 95.0 45.6 136.7



Abundance Ion 117.00 (116.70 to 117.70): VN056679.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056679.D (-3751) (-)

Time-->

13.87

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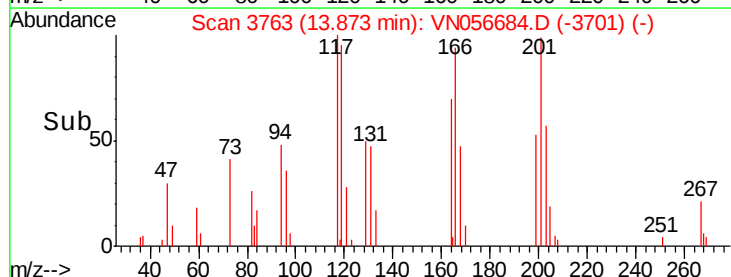
13.87

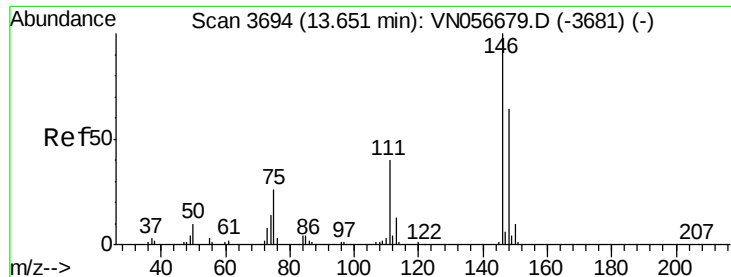
13.87

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#87

1,2-Dichlorobenzene

Concen: 5.009 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

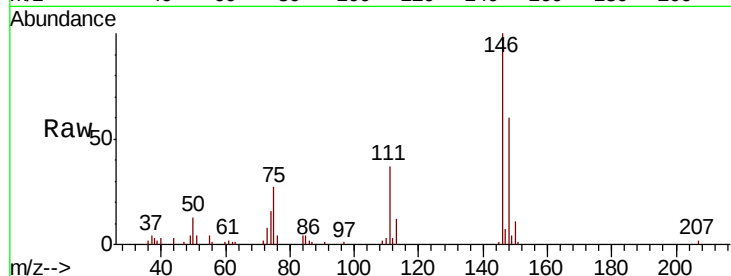
Tot Ion:146 Resp: 31843

Ion Ratio Lower Upper

146 100

111 38.9 19.7 59.0

148 61.8 32.7 98.1

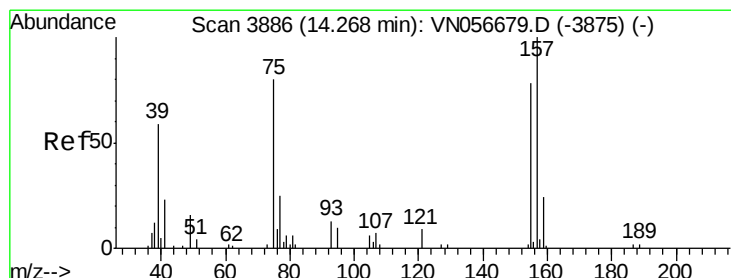
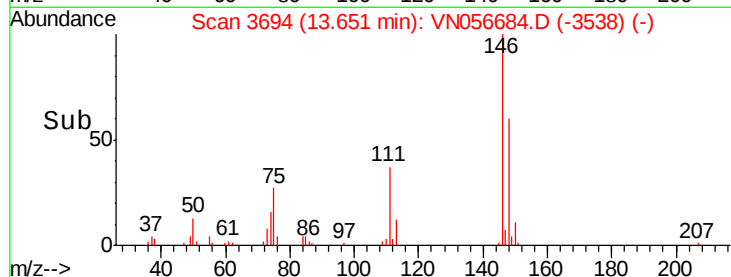
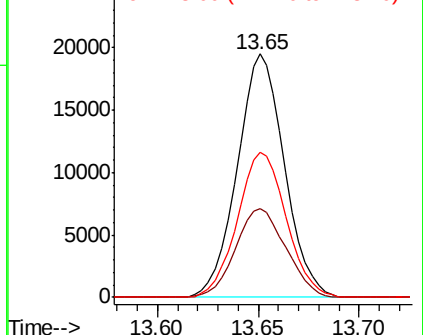


Abundance

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: 4.243 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

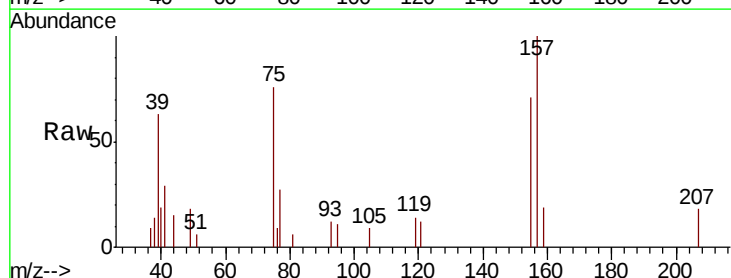
Tgt Ion: 75 Resp: 3644

Ion Ratio Lower Upper

75 100

155 94.4 78.6 117.8

157 133.6 99.3 148.9

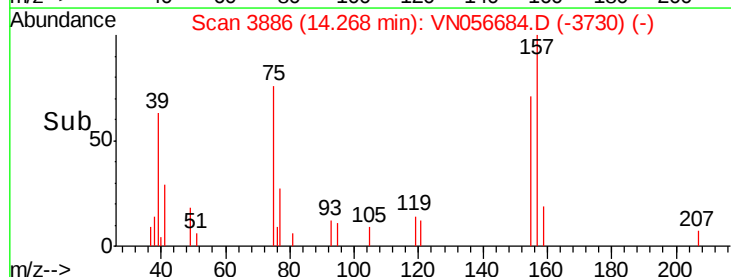
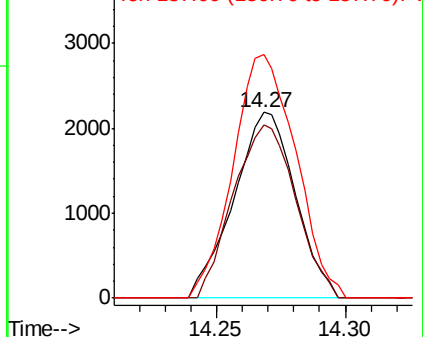


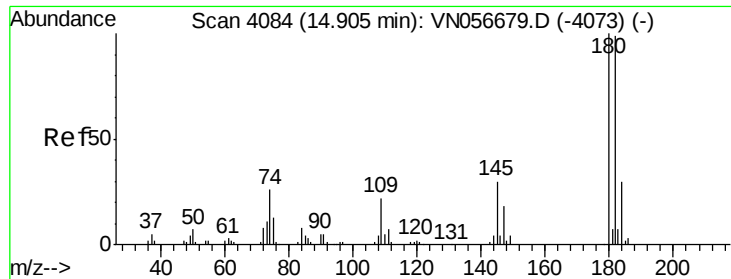
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#89

1,2,4-Trichlorobenzene

Concen: 4.037 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

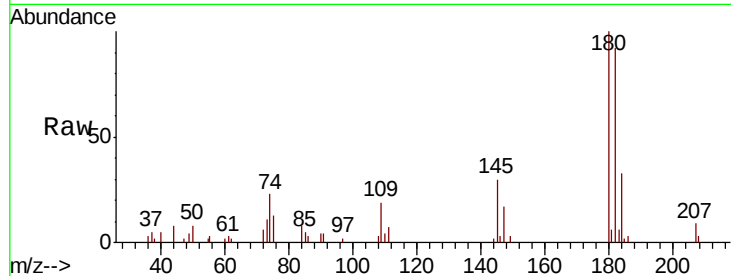
Tot Ion:180 Resp: 14149

Ion Ratio Lower Upper

180 100

182 95.8 78.2 117.4

145 28.6 23.2 34.8

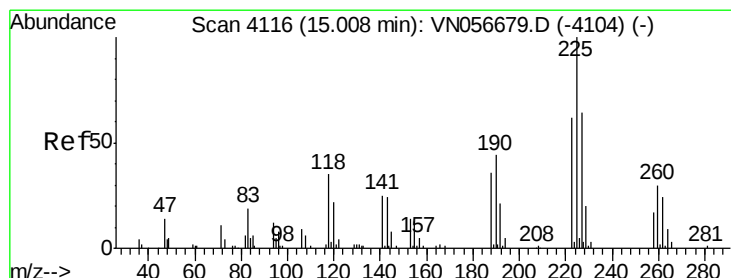
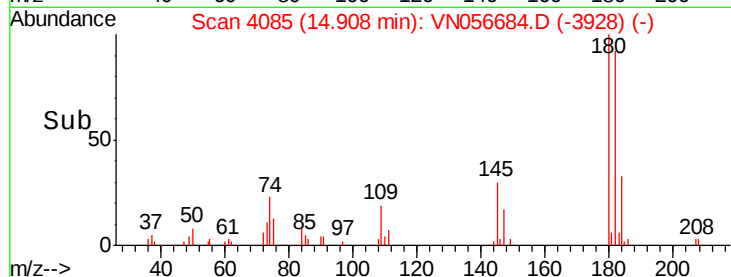
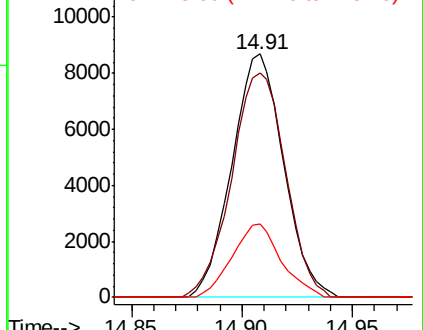


Abundance

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



#90

Hexachlorobutadiene

Concen: 5.687 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

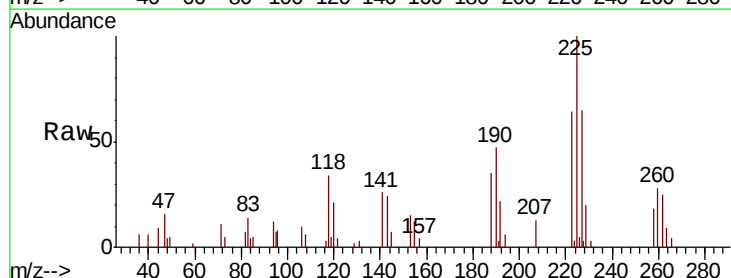
Tgt Ion:225 Resp: 12585

Ion Ratio Lower Upper

225 100

223 59.8 0.0 124.6

227 59.6 0.0 128.6

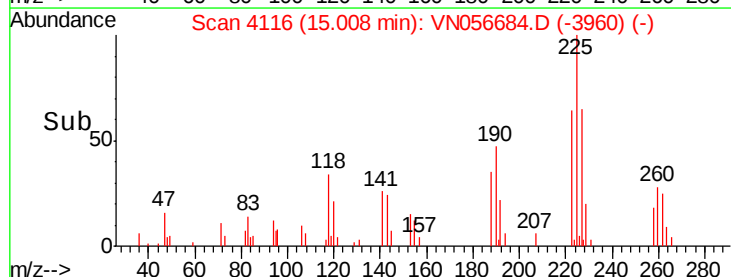
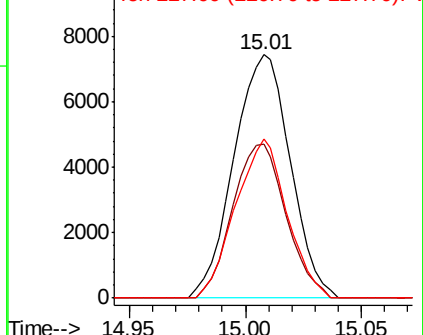


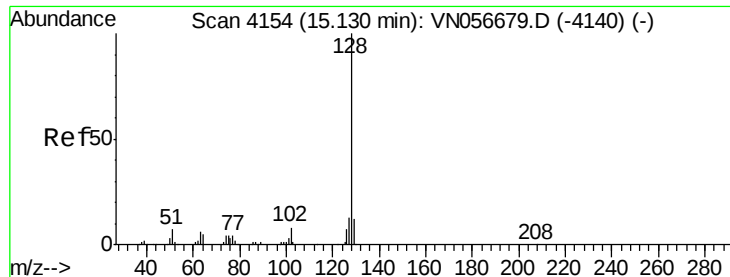
Abundance

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: 3.546 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

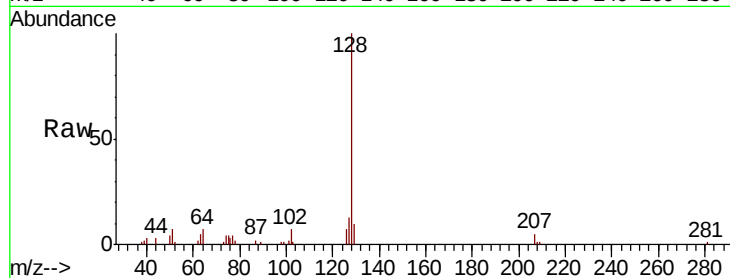
Tot Ion:128 Resp: 34219

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

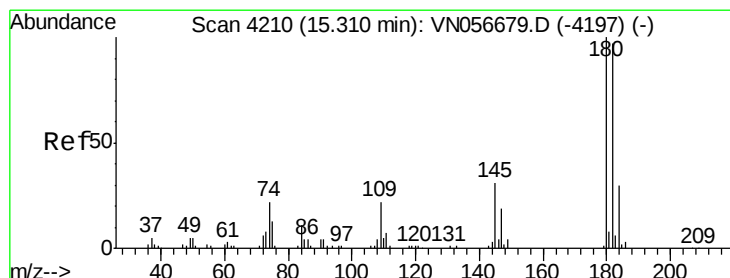
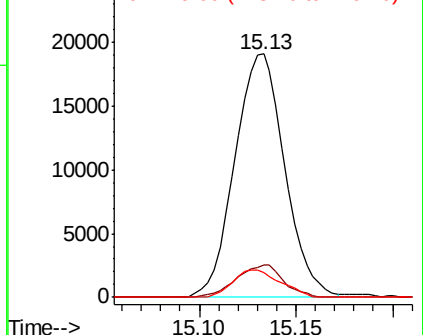
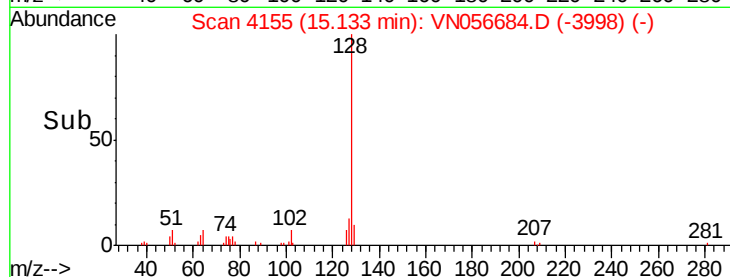
129 10.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 4.640 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056684.D

Acq: 12 Jul 2019 12:29

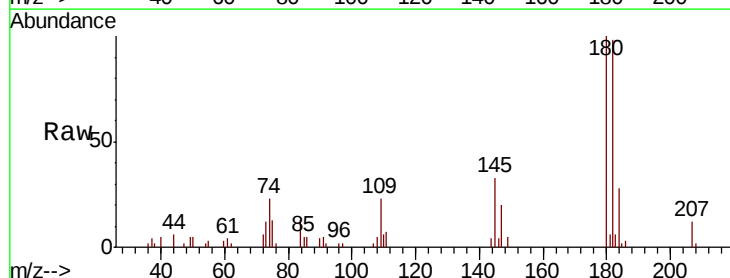
Tgt Ion:180 Resp: 17023

Ion Ratio Lower Upper

180 100

182 95.2 0.0 192.4

145 30.0 0.0 60.4



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

