

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041519\
 Data File : VN055036.D
 Acq On : 15 Apr 2019 10:16
 Operator : JC/SP
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Quant Time: Apr 15 11:59:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 11:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	404001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	648645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	559142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	210312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	54475	10.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.48%	
35) Dibromofluoromethane	7.59	113	43824	10.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.20%	
50) Toluene-d8	10.09	98	154937	10.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.40%	
62) 4-Bromofluorobenzene	12.40	95	47973	9.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	47311	10.617	ug/l	98
3) Chloromethane	2.06	50	60253	10.083	ug/l	99
4) Vinyl Chloride	2.19	62	51030	10.523	ug/l	98
5) Bromomethane	2.55	94	28041	9.989	ug/l	95
6) Chloroethane	2.70	64	27826	10.405	ug/l	97
7) Trichlorofluoromethane	3.02	101	64528	10.608	ug/l	95
8) Diethyl Ether	3.41	74	19253	10.065	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.75	101	34112	10.752	ug/l	98
10) Methyl Iodide	3.94	142	46062	10.067	ug/l	98
11) Tert butyl alcohol	4.82	59	14360	46.029	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	31764	10.169	ug/l	95
13) Acrolein	3.61	56	18135	48.158	ug/l	95
14) Allyl chloride	4.31	41	75642	9.911	ug/l	97
15) Acrylonitrile	4.99	53	91407	53.121	ug/l	99
16) Acetone	3.82	43	79422	57.024	ug/l	95
17) Carbon Disulfide	4.04	76	98782	9.709	ug/l	98
18) Methyl Acetate	4.33	43	44612	10.333	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	115459	10.345	ug/l	99
20) Methylene Chloride	4.54	84	50946	9.982	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	41972	10.200	ug/l	95
22) Diisopropyl ether	5.96	45	163016	10.535	ug/l	95
23) Vinyl Acetate	5.90	43	538619	49.766	ug/l	100
24) 1,1-Dichloroethane	5.85	63	86287	10.325	ug/l	97
25) 2-Butanone	6.85	43	113292	52.814	ug/l	99
26) 2,2-Dichloropropane	6.82	77	55612	10.058	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	49081	10.267	ug/l	99
28) Bromochloromethane	7.19	49	40725	10.271	ug/l	99
29) Tetrahydrofuran	7.22	42	72831	51.793	ug/l	99
30) Chloroform	7.37	83	84069	10.549	ug/l	98
31) Cyclohexane	7.65	56	83091	9.035	ug/l #	89
32) 1,1,1-Trichloroethane	7.57	97	65819	10.367	ug/l	98
36) 1,1-Dichloropropene	7.79	75	59554	9.934	ug/l	99
37) Ethyl Acetate	6.94	43	47981	10.662	ug/l	99
38) Carbon Tetrachloride	7.77	117	56076	9.937	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	65367	9.525	ug/l	99
40) Benzene	8.04	78	186703	10.301	ug/l	100
41) Methacrylonitrile	7.18	41	27260	9.844	ug/l	97
42) 1,2-Dichloroethane	8.13	62	65633	10.294	ug/l	98
43) Isopropyl Acetate	8.17	43	78836	10.245	ug/l	100
44) Trichloroethene	8.83	130	47156	10.181	ug/l	98
45) 1,2-Dichloropropane	9.12	63	51208	10.012	ug/l	93
46) Dibromomethane	9.21	93	29745	10.150	ug/l	97
47) Bromodichloromethane	9.40	83	60335	10.124	ug/l	95
48) Methyl methacrylate	9.20	41	39420	9.944	ug/l	94
49) 1,4-Dioxane	9.21	88	7311	171.488	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	224803	49.892	ug/l	98
52) Toluene	10.15	92	105031	9.799	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	50666	9.389	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	61973	9.323	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	41243	10.329	ug/l	98
56) Ethyl methacrylate	10.43	69	48102	9.362	ug/l	98
57) 1,3-Dichloropropane	10.71	76	71252	10.344	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	86572	43.063	ug/l	100
59) 2-Hexanone	10.75	43	145405	51.642	ug/l	98
60) Dibromochloromethane	10.90	129	39437	9.922	ug/l	99
61) 1,2-Dibromoethane	11.00	107	37460	9.799	ug/l	99
64) Tetrachloroethene	10.63	164	46814	10.703	ug/l	98
65) Chlorobenzene	11.43	112	113655	10.542	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	39142	9.852	ug/l	98
67) Ethyl Benzene	11.51	91	200807	10.140	ug/l	97
68) m/p-Xylenes	11.62	106	149870	20.685	ug/l	98
69) o-Xylene	11.95	106	71782	10.013	ug/l	99
70) Styrene	11.96	104	114394	10.064	ug/l	98
71) Bromoform	12.13	173	22758	9.482	ug/l #	99
73) Isopropylbenzene	12.25	105	187974	10.512	ug/l	99
74) N-amyl acetate	12.07	43	54748	10.158	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	51408	11.104	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	56802	14.681	ug/l #	100
77) Bromobenzene	12.53	156	45789	10.424	ug/l	99
78) n-propylbenzene	12.59	91	203065	10.423	ug/l	99
79) 2-Chlorotoluene	12.67	91	127909	10.628	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	153137	10.520	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	9674	10.320	ug/l	94
82) 4-Chlorotoluene	12.77	91	119822	10.295	ug/l	98
83) tert-Butylbenzene	12.99	119	130479	10.463	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	147761	10.586	ug/l	100
85) sec-Butylbenzene	13.17	105	165239	10.378	ug/l	100
86) p-Isopropyltoluene	13.29	119	142005	10.253	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	72929	10.209	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	70689	10.346	ug/l	98
89) n-Butylbenzene	13.61	91	98511	9.057	ug/l	99
90) Hexachloroethane	13.87	117	21372	9.339	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	73236	10.561	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5591	9.288	ug/l	85

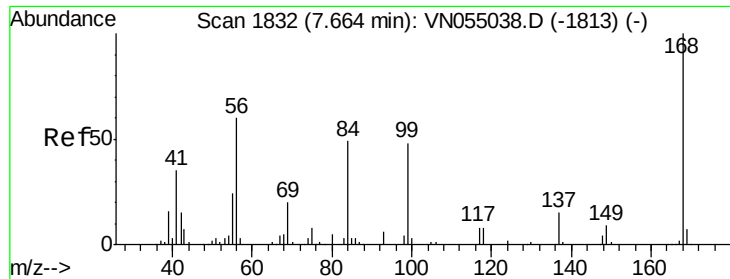
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	23996	8.217	ug/l	96
94) Hexachlorobutadiene	15.01	225	22902	9.476	ug/l	97
95) Naphthalene	15.13	128	55628	8.139	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	26814	8.572	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

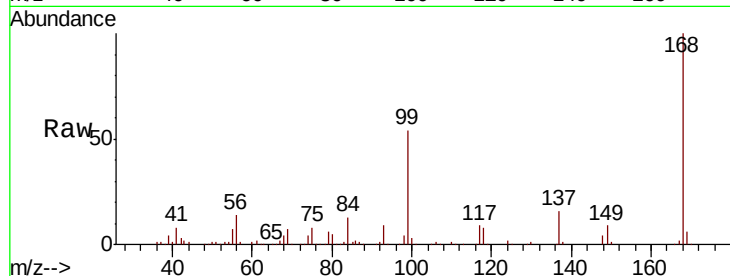
VSTDIC010

Tgt Ion:168 Resp: 404001

Ion Ratio Lower Upper

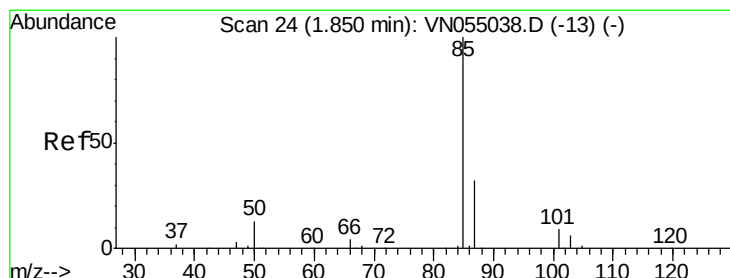
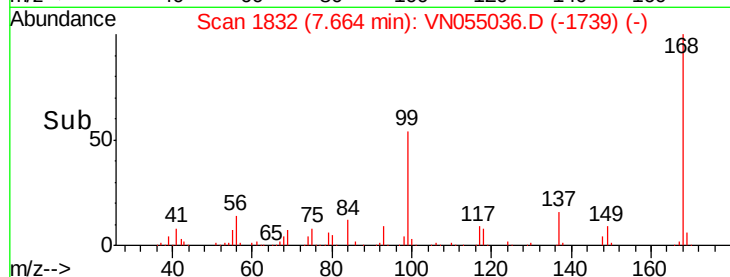
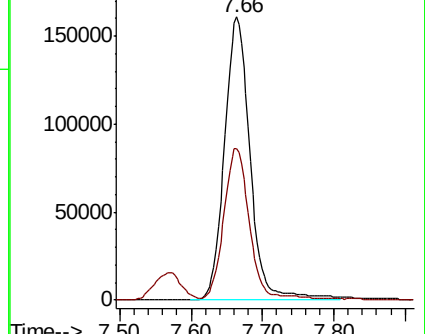
168 100

99 53.2 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 10.617 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055036.D

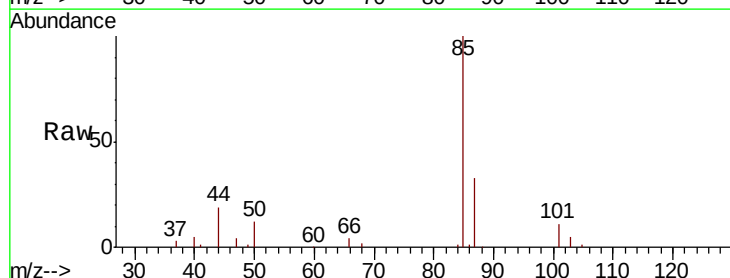
Acq: 15 Apr 2019 10:16

Tgt Ion: 85 Resp: 47311

Ion Ratio Lower Upper

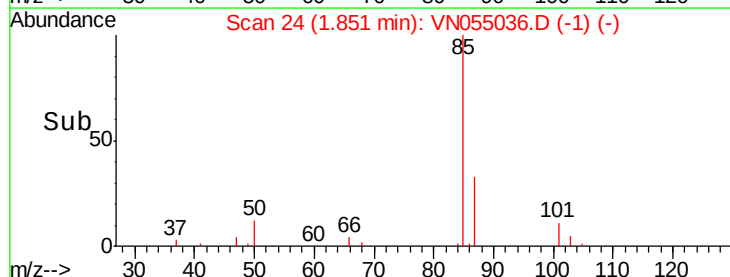
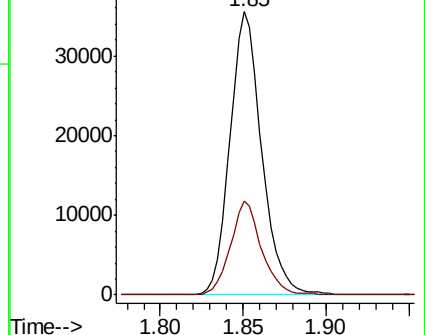
85 100

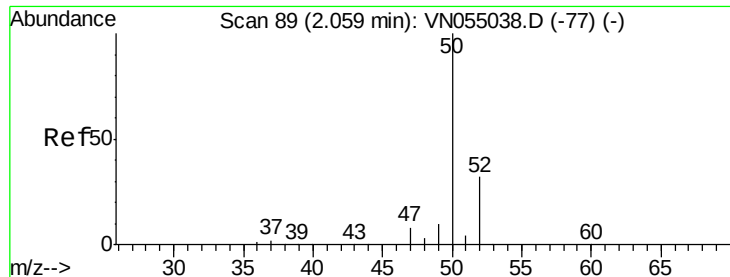
87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 10.083 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

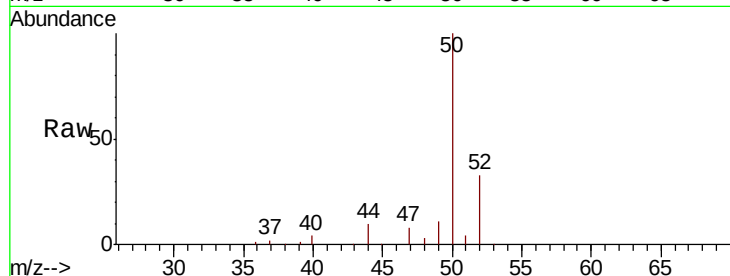
VSTDIC010

Tgt Ion: 50 Resp: 60253

Ion Ratio Lower Upper

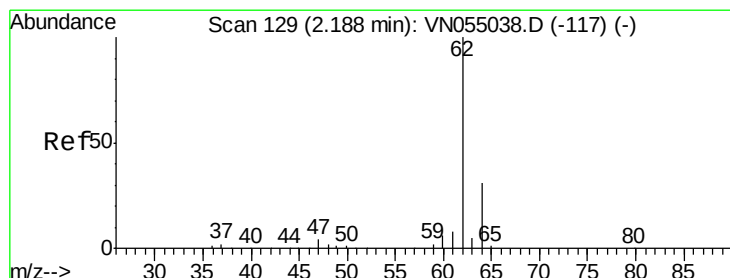
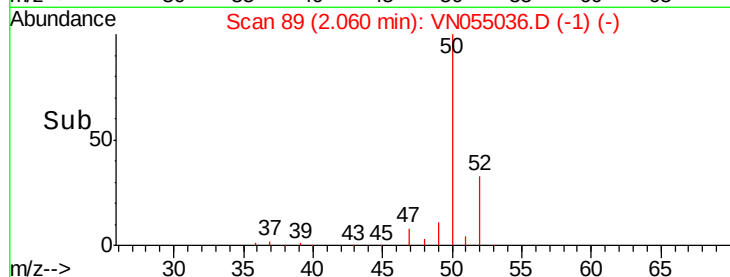
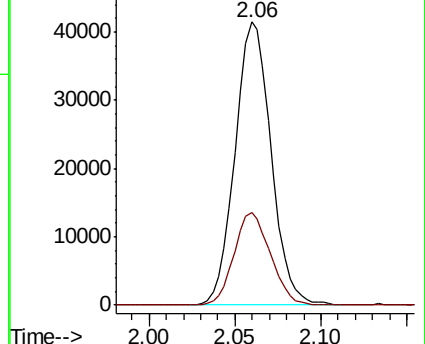
50 100

52 32.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN055036.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN055036.D (-1) (-)



#4

Vinyl Chloride

Concen: 10.523 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055036.D

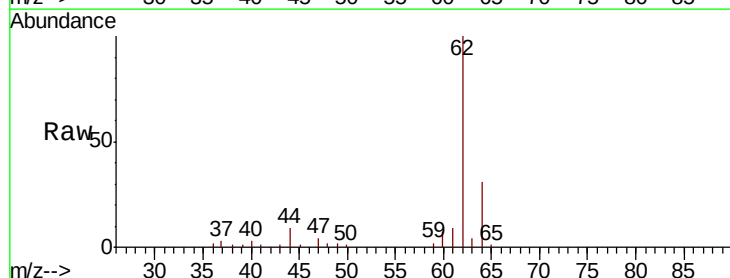
Acq: 15 Apr 2019 10:16

Tgt Ion: 62 Resp: 51030

Ion Ratio Lower Upper

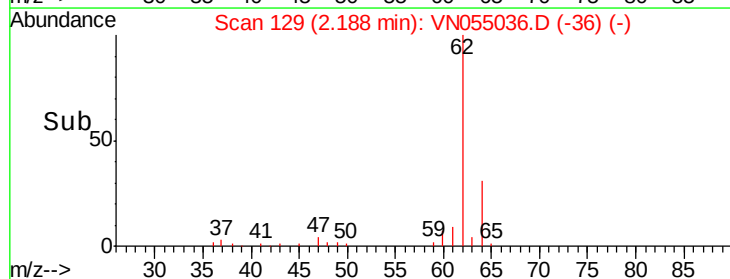
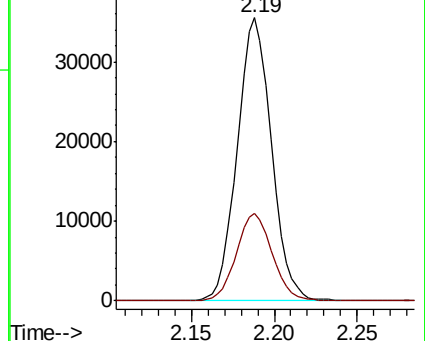
62 100

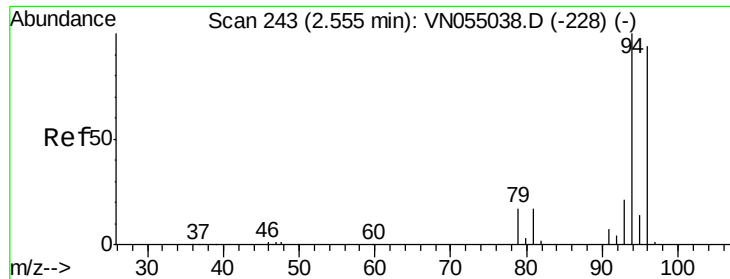
64 30.9 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN055036.D (-36) (-)

Ion 63.90 (63.60 to 64.60): VN055036.D (-36) (-)

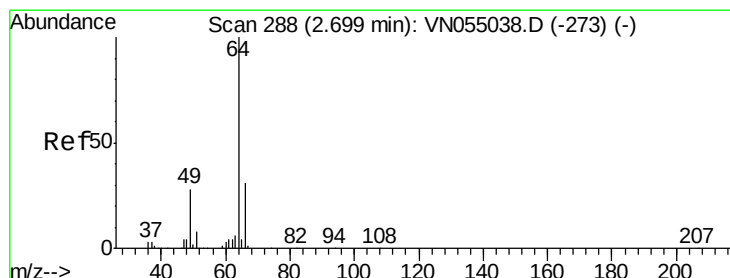
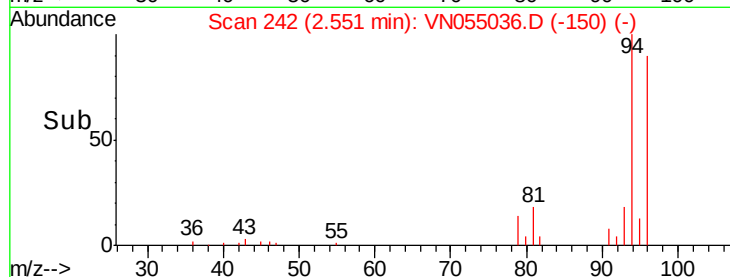
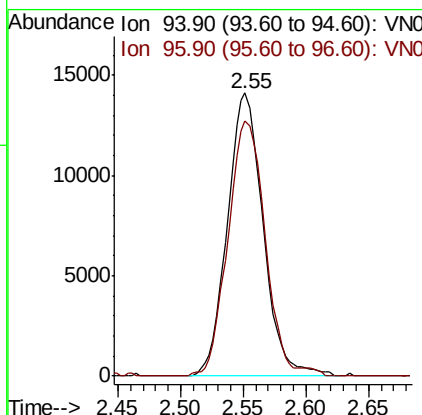
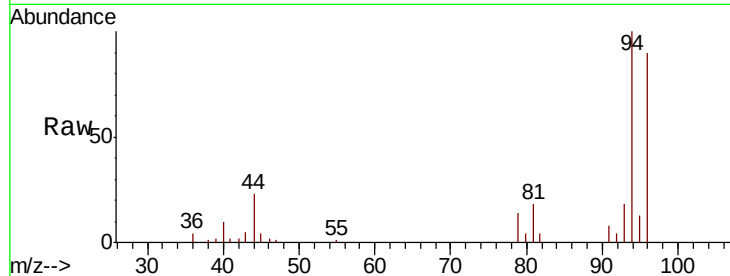




#5
Bromomethane
Concen: 9.989 ug/l
RT: 2.55 min Scan# 242
Delta R.T. -0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

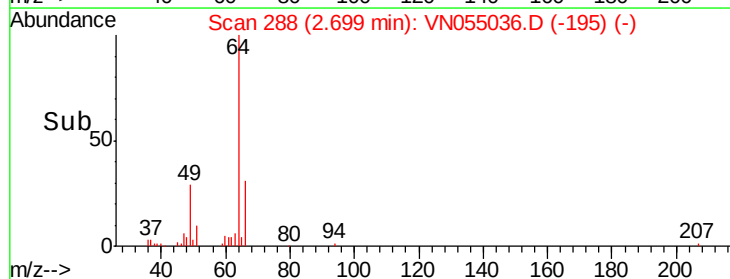
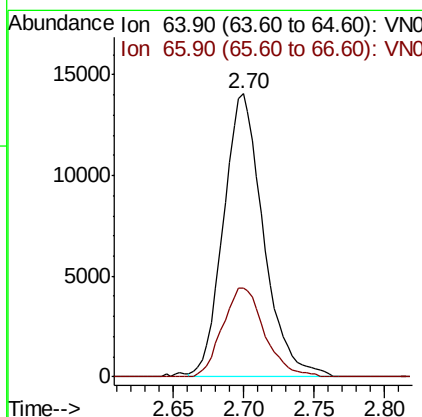
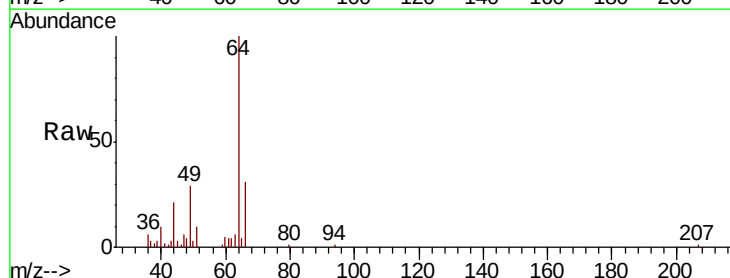
Instrument :
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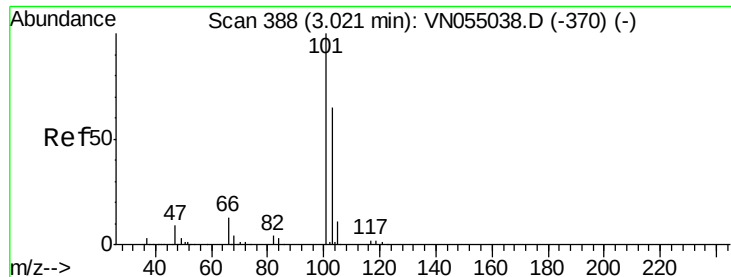
Tgt Ion: 94 Resp: 28041
Ion Ratio Lower Upper
94 100
96 90.2 76.2 114.4



#6
Chloroethane
Concen: 10.405 ug/l
RT: 2.70 min Scan# 288
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

Tgt Ion: 64 Resp: 27826
Ion Ratio Lower Upper
64 100
66 31.4 26.6 40.0



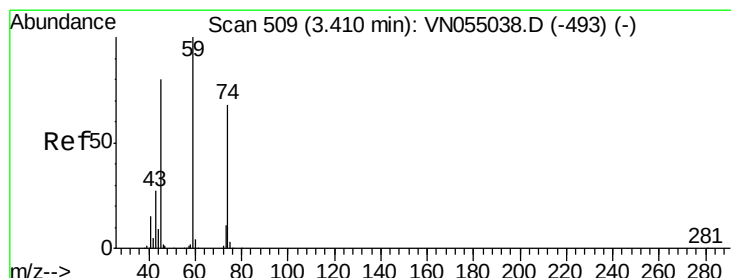
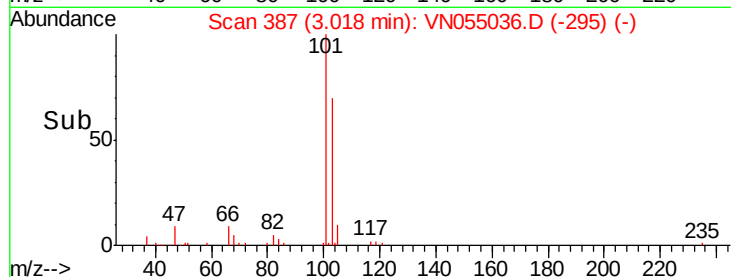
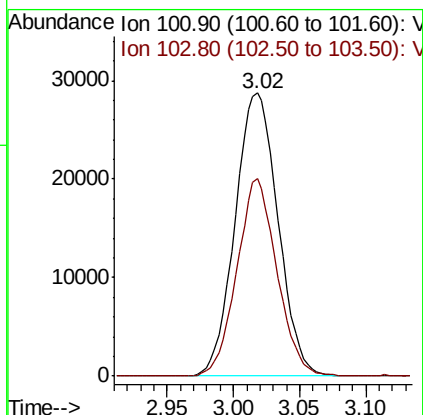
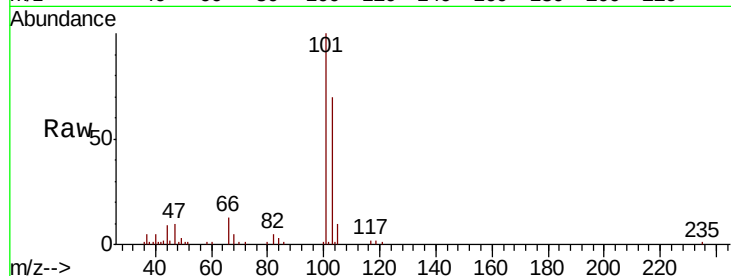


#7

Trichlorofluoromethane
 Concen: 10.608 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

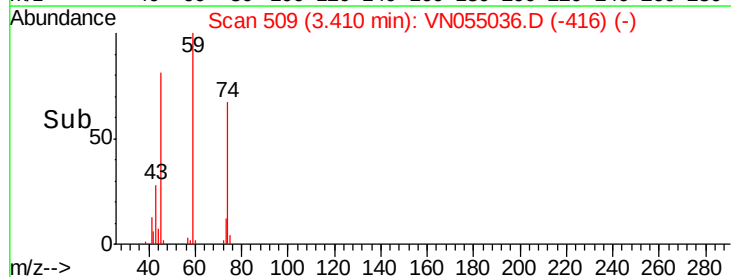
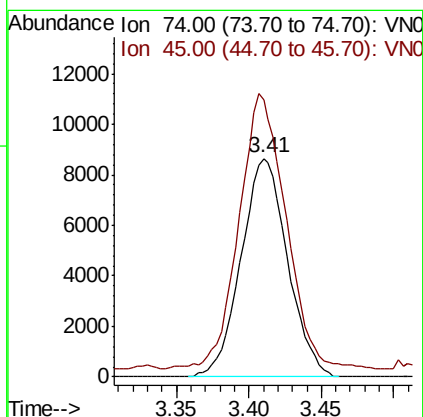
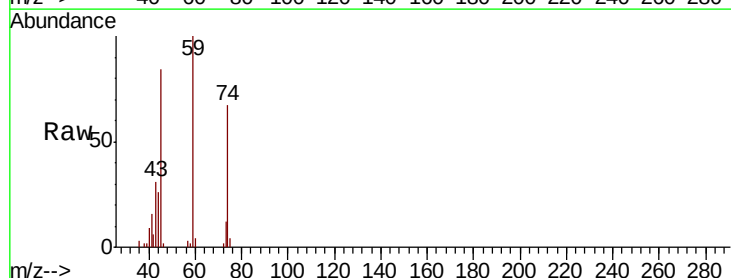
Tgt Ion: 101 Resp: 64528
 Ion Ratio Lower Upper
 101 100
 103 69.6 52.5 78.7

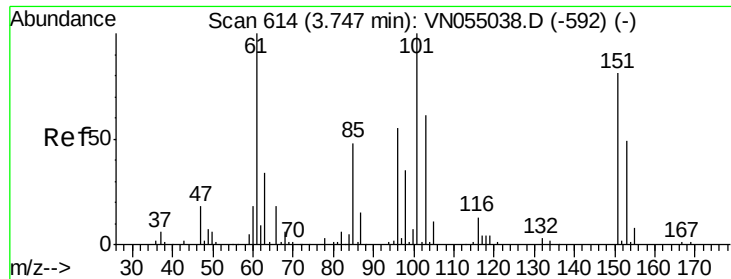


#8

Diethyl Ether
 Concen: 10.065 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Tgt Ion: 74 Resp: 19253
 Ion Ratio Lower Upper
 74 100
 45 127.3 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.752 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

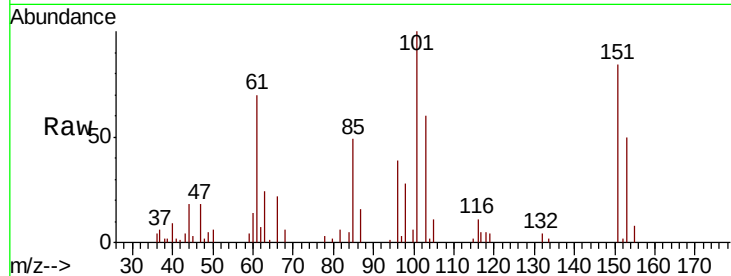
Tgt Ion:101 Resp: 34112

Ion Ratio Lower Upper

101 100

85 47.4 36.9 55.3

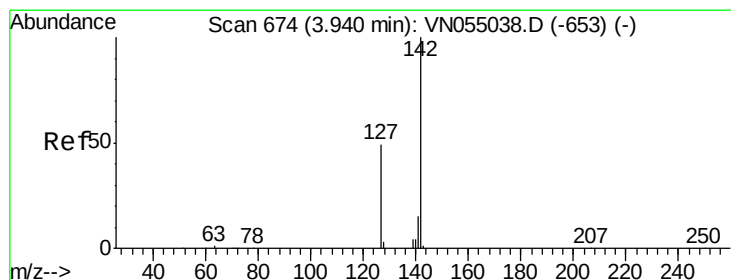
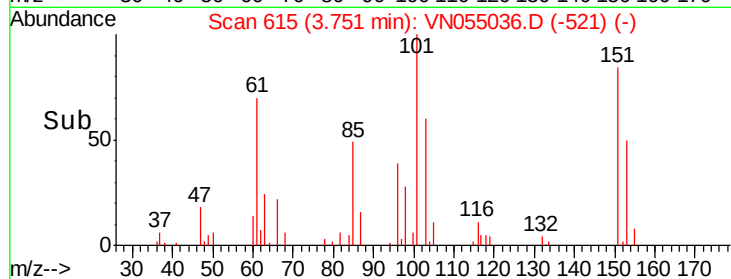
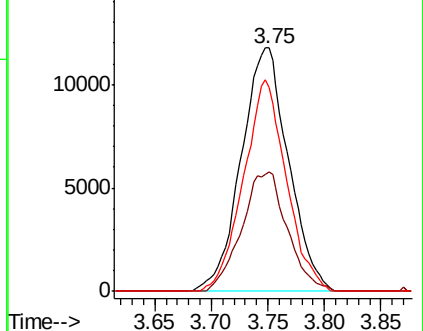
151 78.6 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.067 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

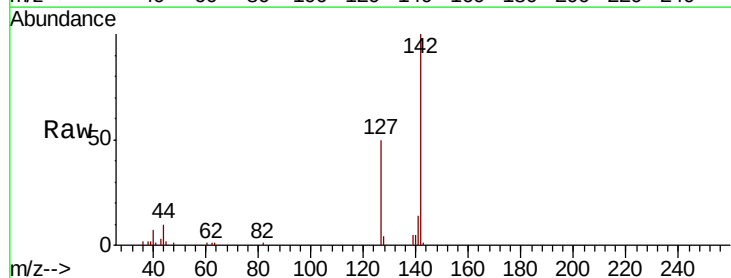
Tgt Ion:142 Resp: 46062

Ion Ratio Lower Upper

142 100

127 48.5 37.9 56.9

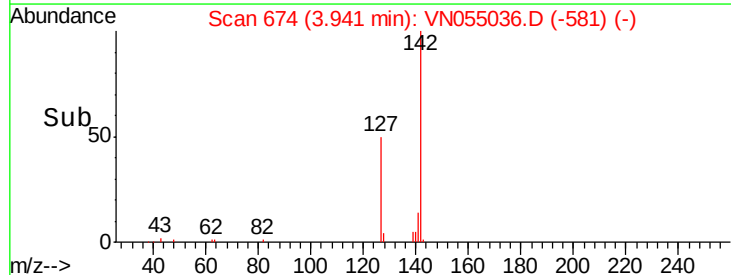
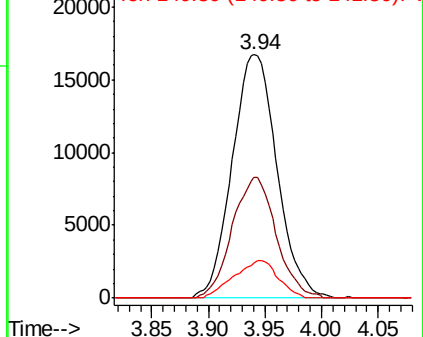
141 15.2 11.8 17.8

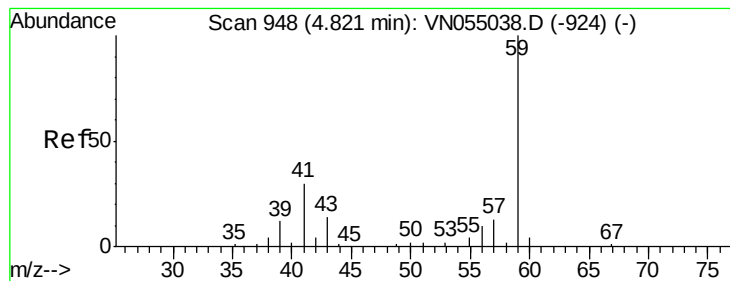


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



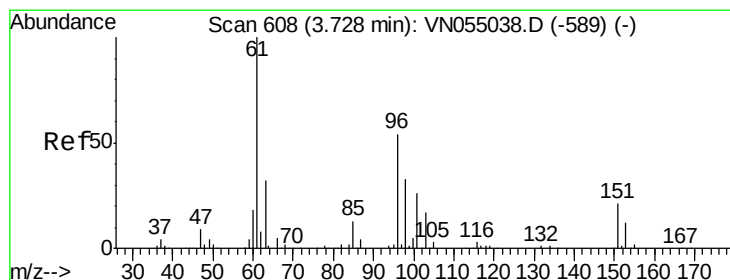
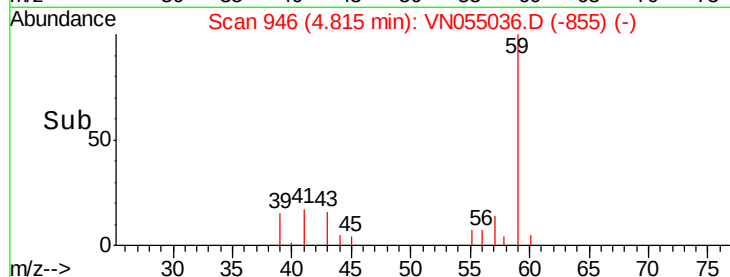
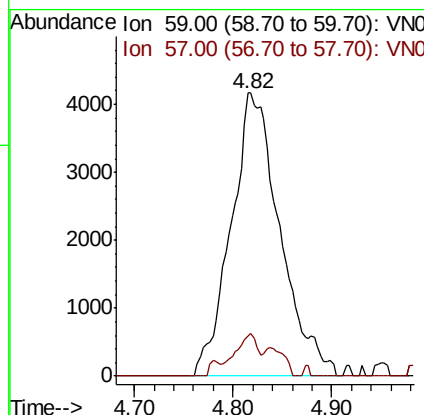
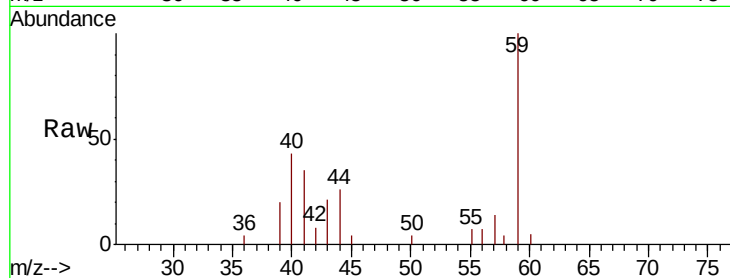


#11

Tert butyl alcohol
 Concen: 46.029 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

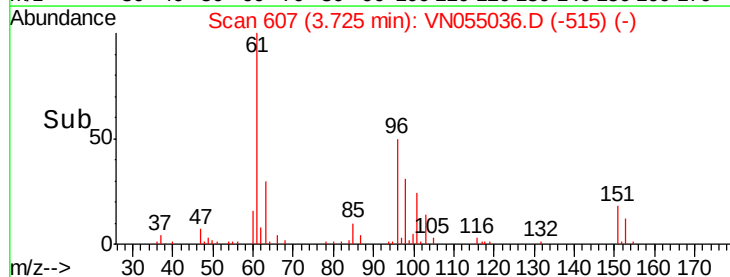
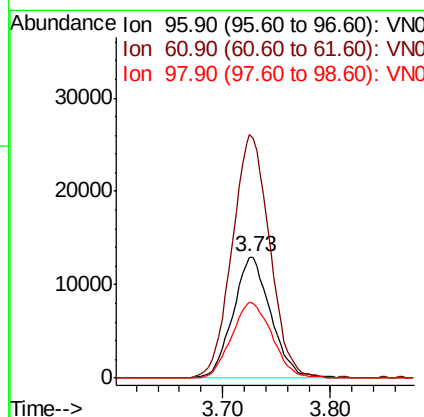
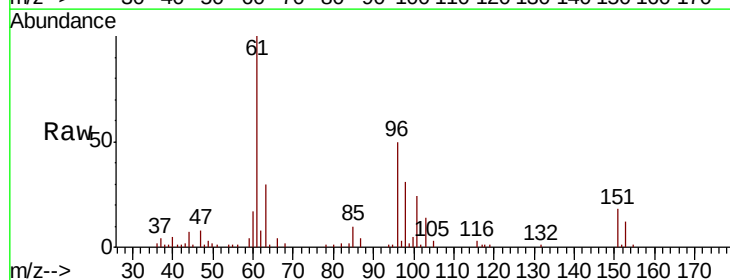
Tgt Ion: 59 Resp: 14360
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

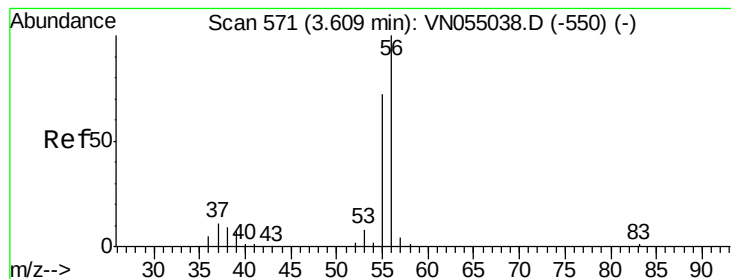


#12

1,1-Dichloroethene
 Concen: 10.169 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Tgt Ion: 96 Resp: 31764
 Ion Ratio Lower Upper
 96 100
 61 200.6 154.2 231.4
 98 62.9 52.9 79.3





#13

Acrolein

Concen: 48.158 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

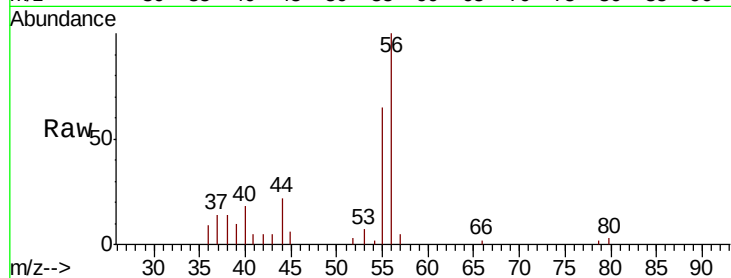
VSTDIC010

Tgt Ion: 56 Resp: 18135

Ion Ratio Lower Upper

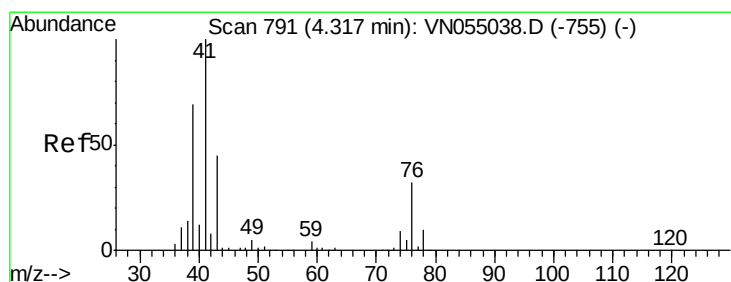
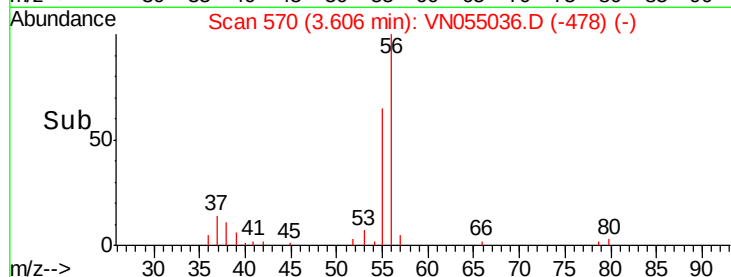
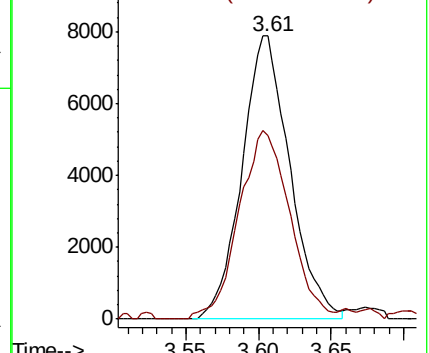
56 100

55 70.3 59.5 89.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 9.911 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

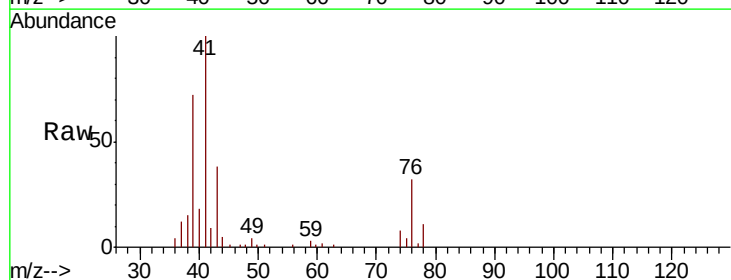
Tgt Ion: 41 Resp: 75642

Ion Ratio Lower Upper

41 100

39 69.1 52.7 79.1

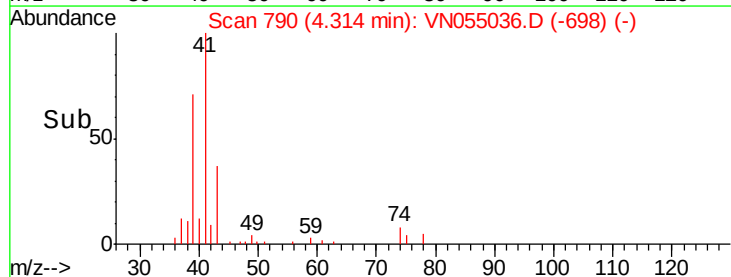
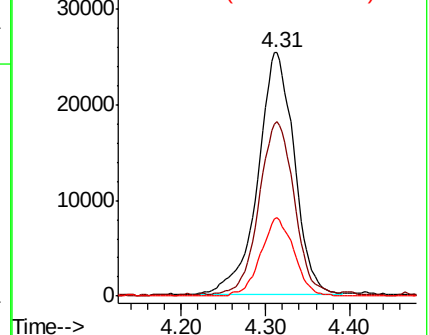
76 29.7 23.2 34.8

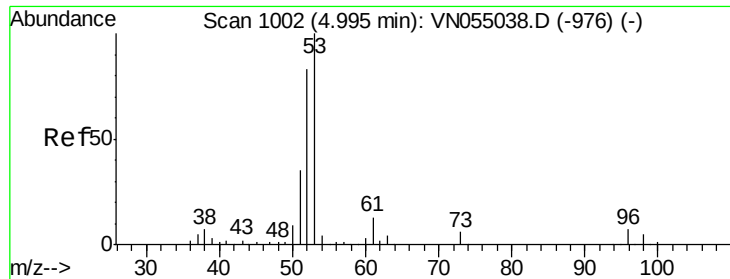


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 53.121 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

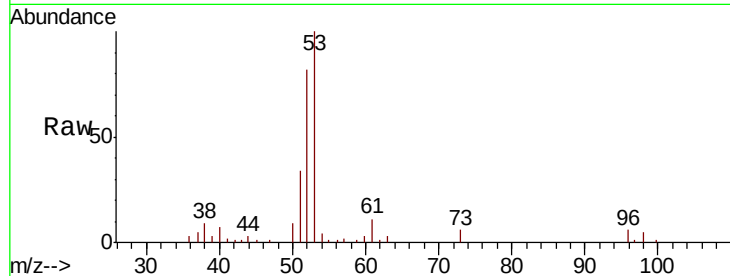
Tgt Ion: 53 Resp: 91407

Ion Ratio Lower Upper

53 100

52 81.1 65.9 98.9

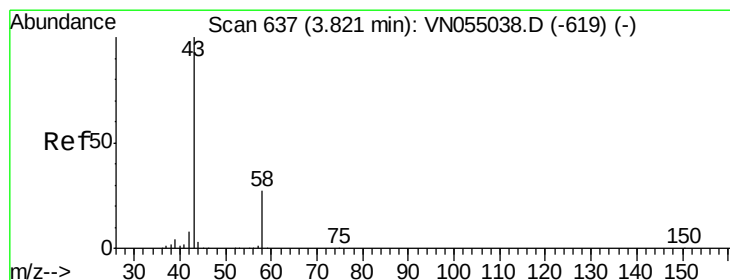
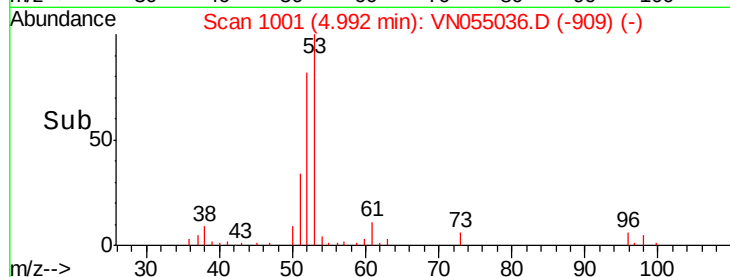
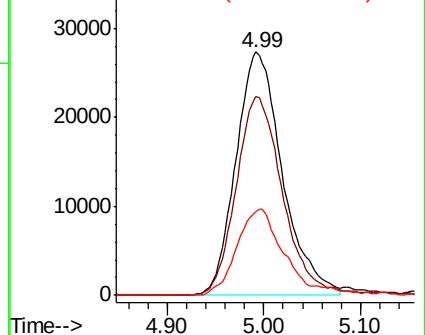
51 36.5 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 57.024 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055036.D

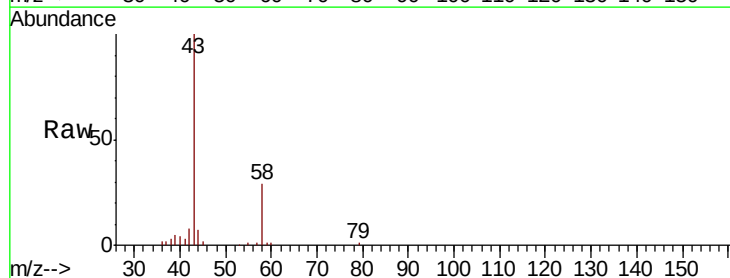
Acq: 15 Apr 2019 10:16

Tgt Ion: 43 Resp: 79422

Ion Ratio Lower Upper

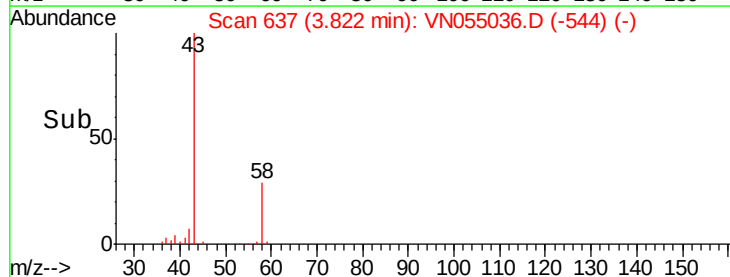
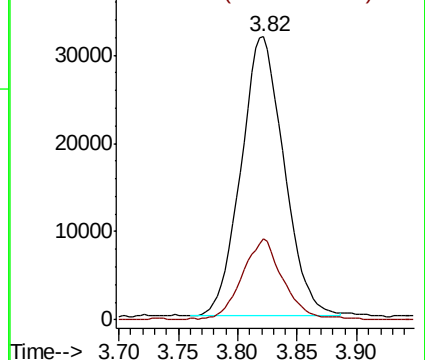
43 100

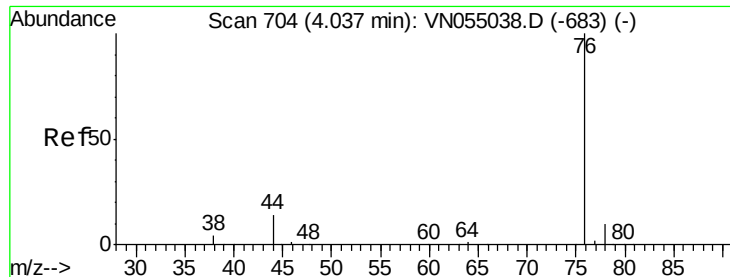
58 28.4 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 9.709 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

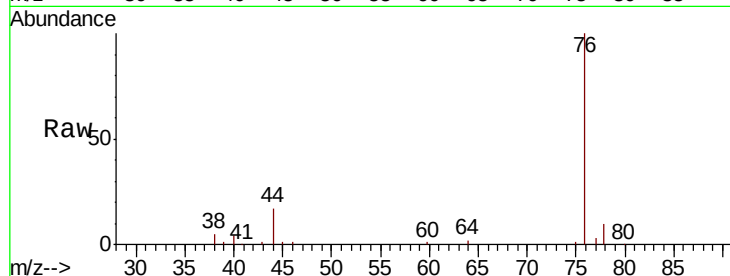
VSTDIC010

Tgt Ion: 76 Resp: 98782

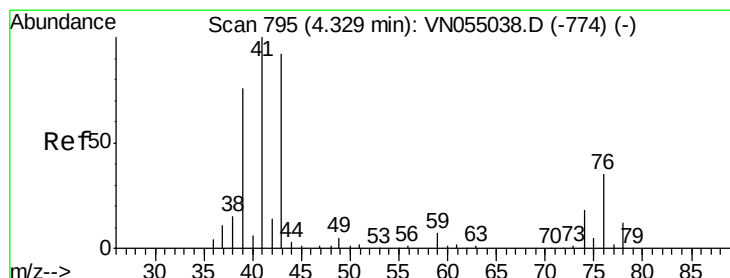
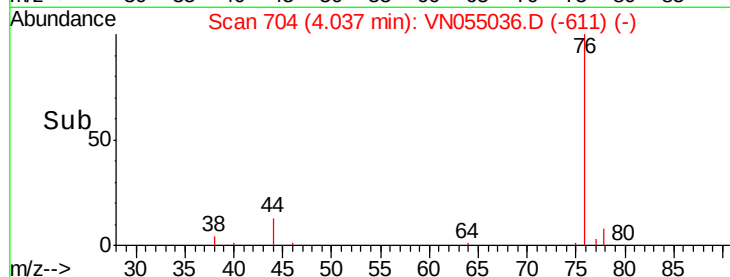
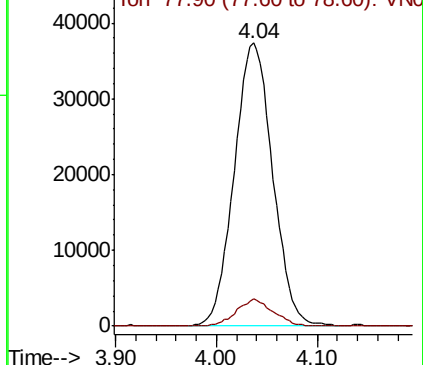
Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8



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



#18

Methyl Acetate

Concen: 10.333 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055036.D

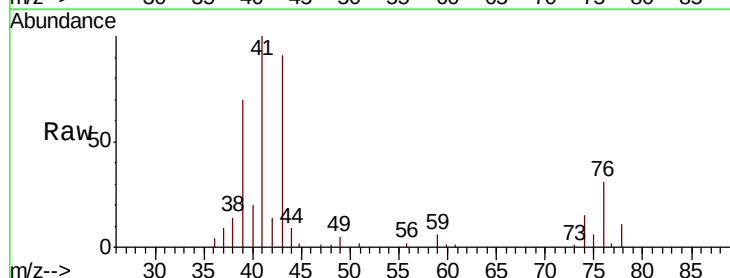
Acq: 15 Apr 2019 10:16

Tgt Ion: 43 Resp: 44612

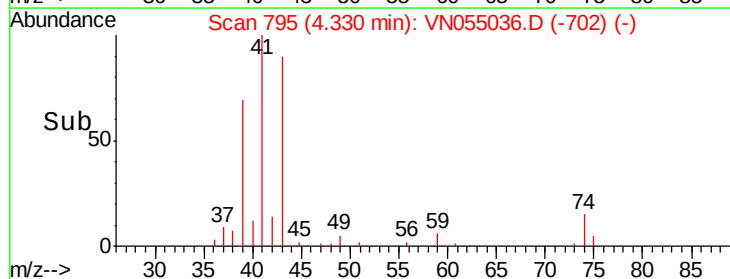
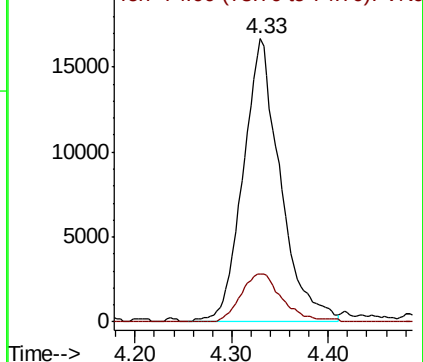
Ion Ratio Lower Upper

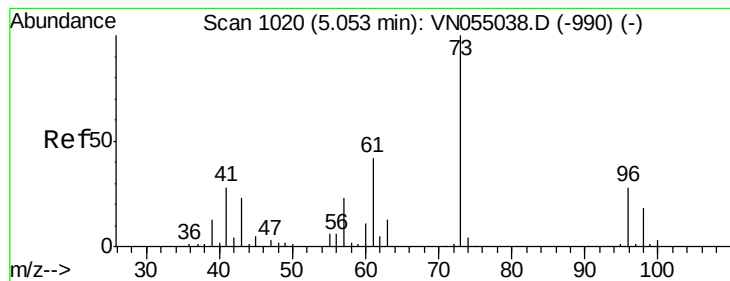
43 100

74 18.5 16.1 24.1



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





#19

Methyl tert-butyl Ether

Concen: 10.345 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

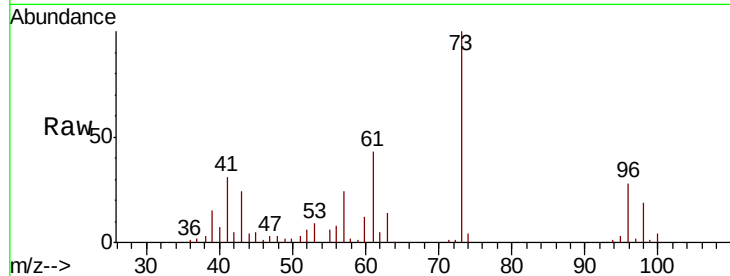
VSTDIC010

Tgt Ion: 73 Resp: 115459

Ion Ratio Lower Upper

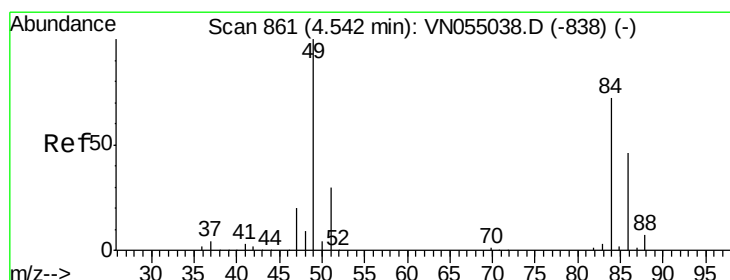
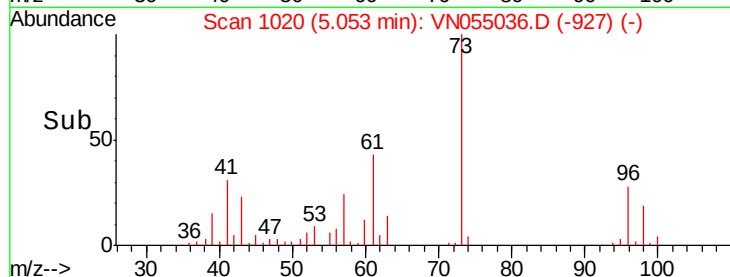
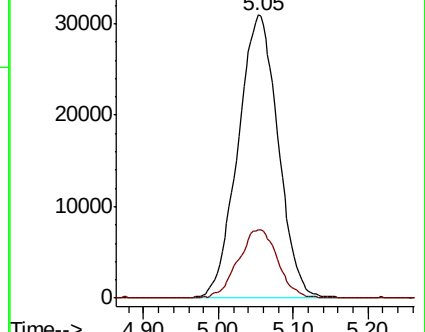
73 100

57 24.0 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VN055036.D (-990) (-)

Ion 57.00 (56.70 to 57.70): VN055036.D (-990) (-)



#20

Methylene Chloride

Concen: 9.982 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Tgt Ion: 84 Resp: 50946

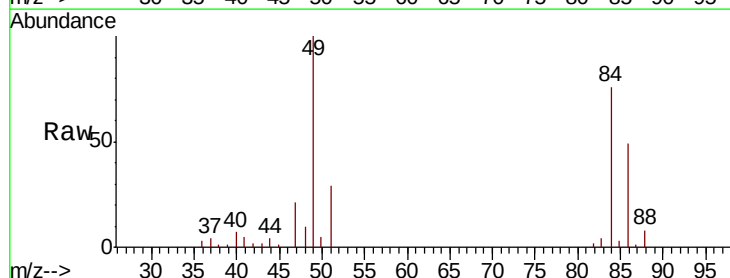
Ion Ratio Lower Upper

84 100

49 130.8 109.4 164.2

51 38.0 32.2 48.4

86 64.2 49.3 73.9

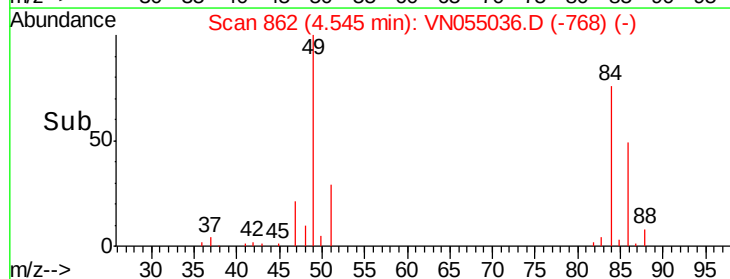
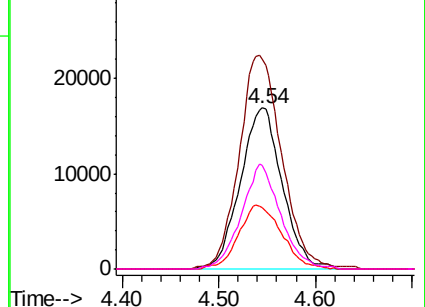


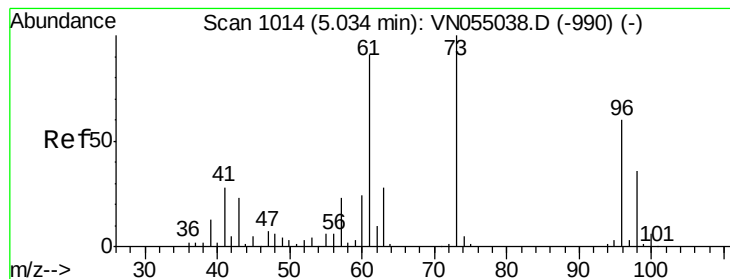
Abundance Ion 83.90 (83.60 to 84.60): VN055036.D (-768) (-)

Ion 48.90 (48.60 to 49.60): VN055036.D (-768) (-)

Ion 50.90 (50.60 to 51.60): VN055036.D (-768) (-)

Ion 85.90 (85.60 to 86.60): VN055036.D (-768) (-)





#21

trans-1,2-Dichloroethene

Concen: 10.200 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

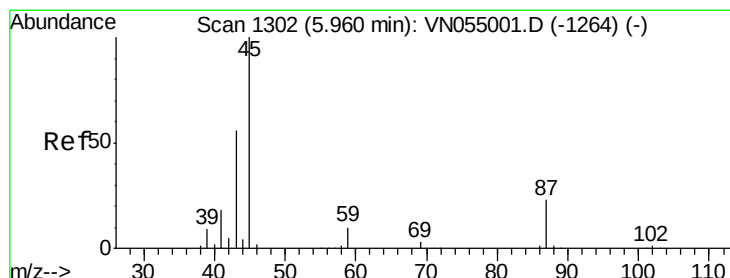
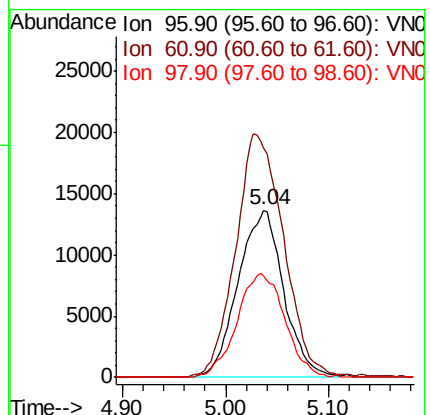
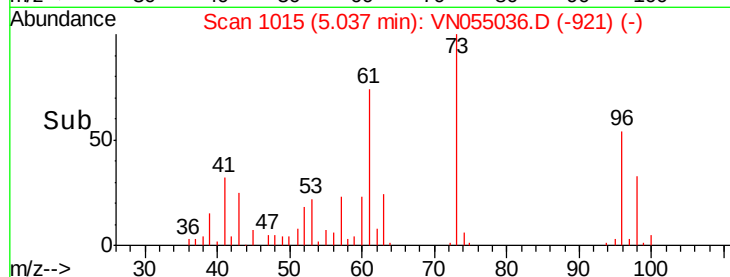
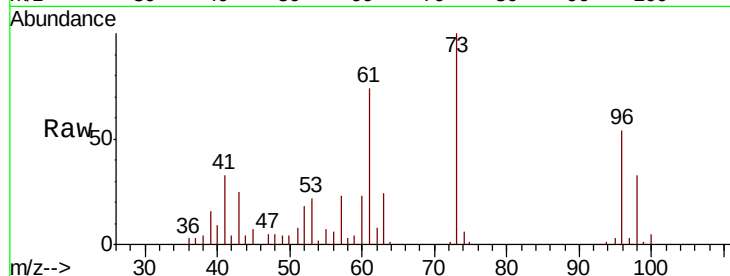
Tgt Ion: 96 Resp: 41972

Ion Ratio Lower Upper

96 100

61 135.9 114.9 172.3

98 60.9 48.4 72.6



#22

Diisopropyl ether

Concen: 10.535 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Tgt Ion: 45 Resp: 163016

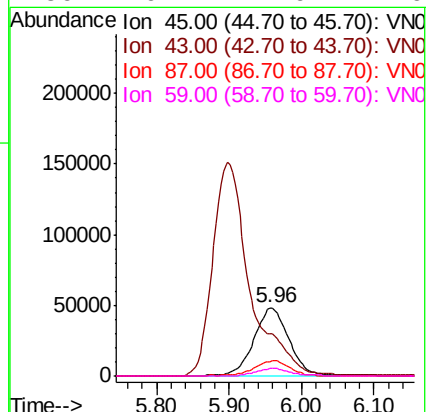
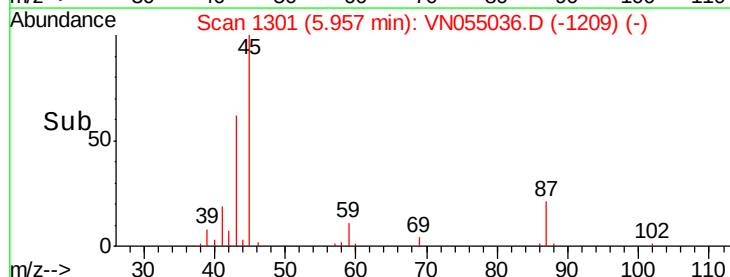
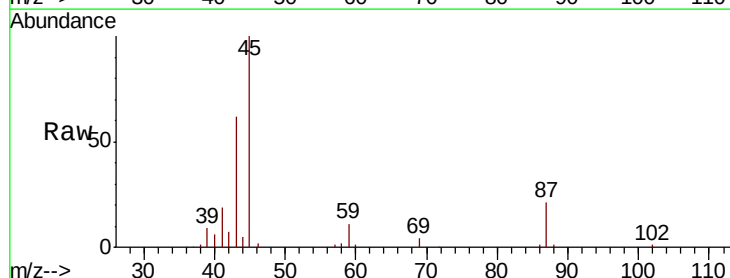
Ion Ratio Lower Upper

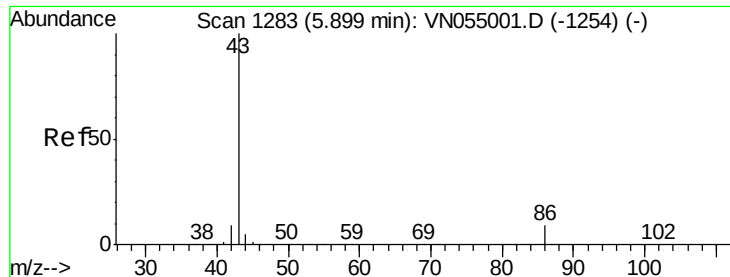
45 100

43 59.8 44.8 67.2

87 20.7 18.9 28.3

59 10.4 7.9 11.9





#23

Vinyl Acetate

Concen: 49.766 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

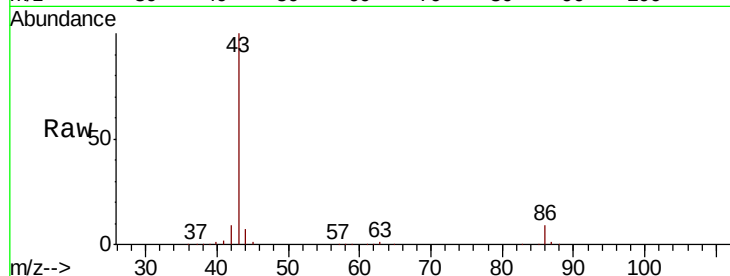
VSTDIC010

Tgt Ion: 43 Resp: 538619

Ion Ratio Lower Upper

43 100

86 8.8 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN055001.D (-1254) (-)

5.90

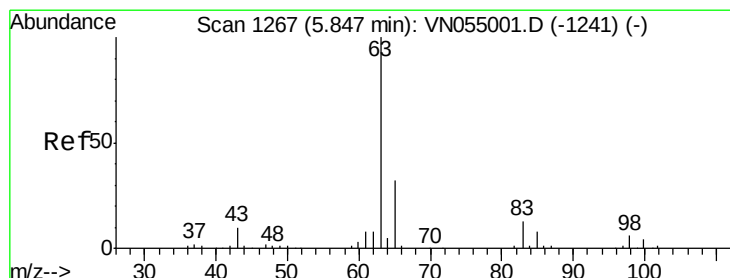
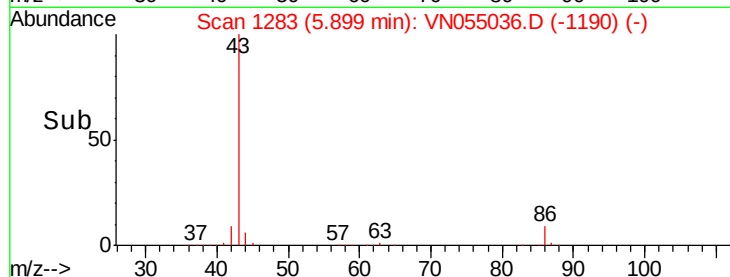
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 10.325 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

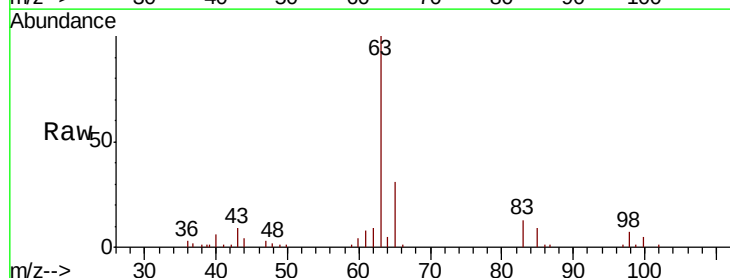
Tgt Ion: 63 Resp: 86287

Ion Ratio Lower Upper

63 100

98 6.8 2.8 8.4

100 4.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN055001.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055001.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055001.D (-1241) (-)

5.85

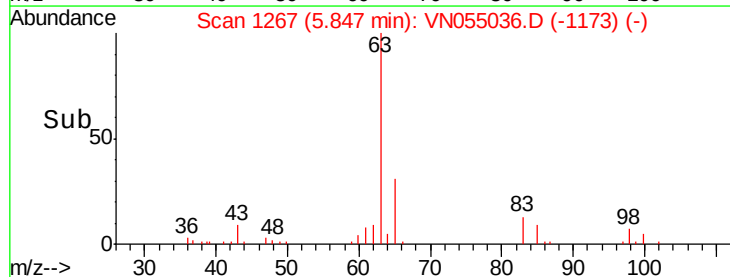
30000

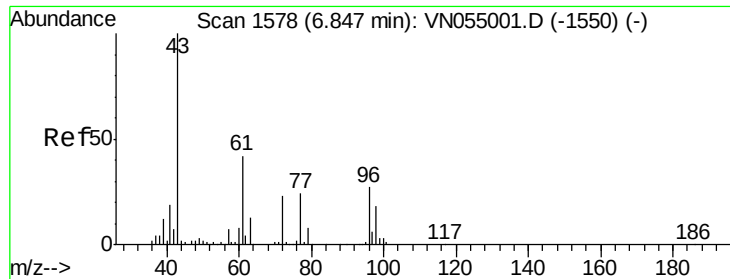
20000

10000

0

Time--> 5.70 5.80 5.90 6.00

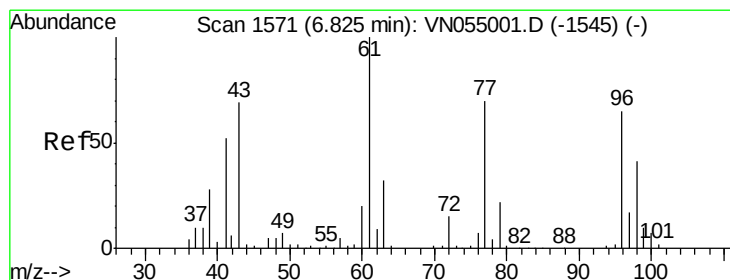
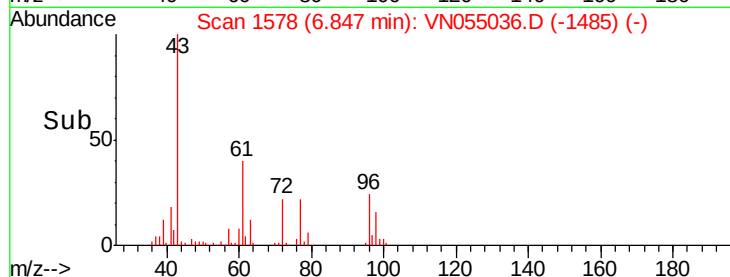
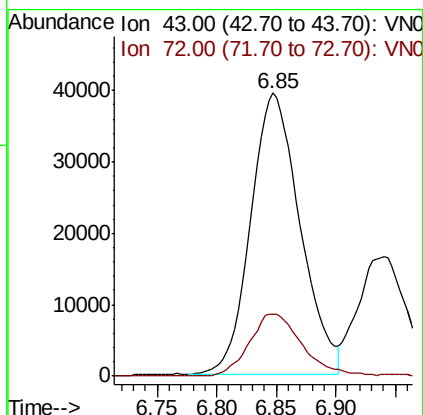
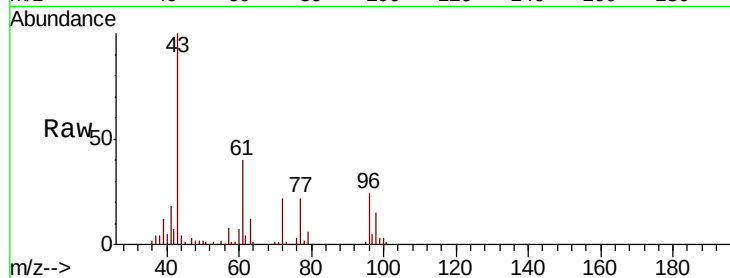




#25
2-Butanone
Concen: 52.814 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

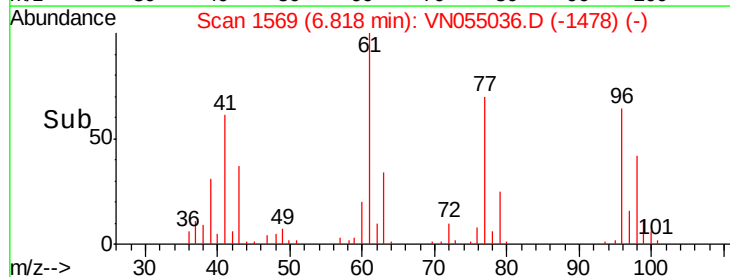
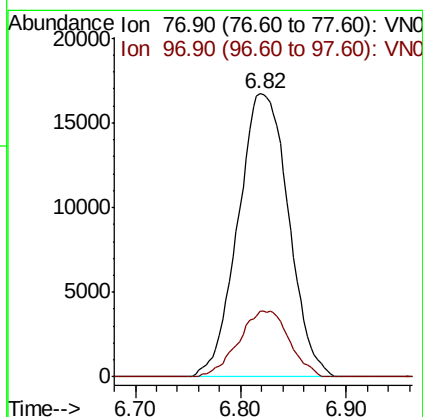
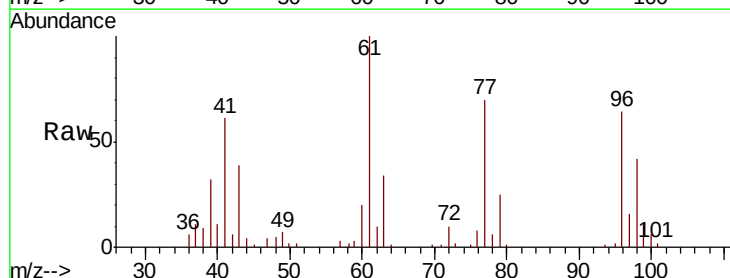
Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

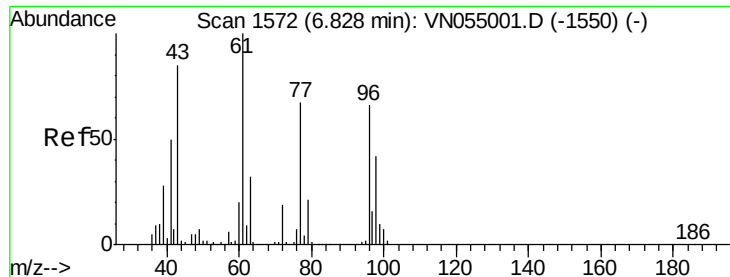
Tgt Ion: 43 Resp: 113292
Ion Ratio Lower Upper
43 100
72 22.1 18.1 27.1



#26
2,2-Dichloropropane
Concen: 10.058 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

Tgt Ion: 77 Resp: 55612
Ion Ratio Lower Upper
77 100
97 23.4 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 10.267 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

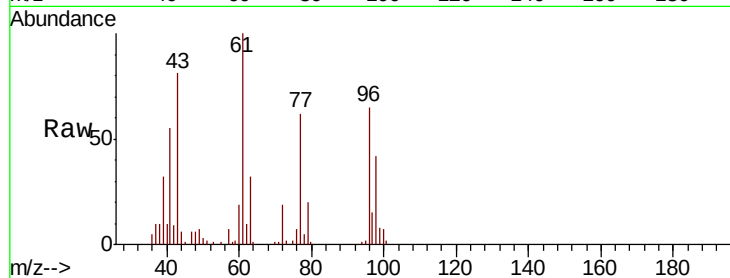
Tgt Ion: 96 Resp: 49081

Ion Ratio Lower Upper

96 100

61 157.8 0.0 311.0

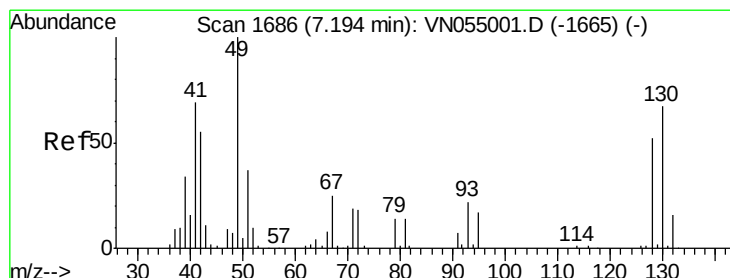
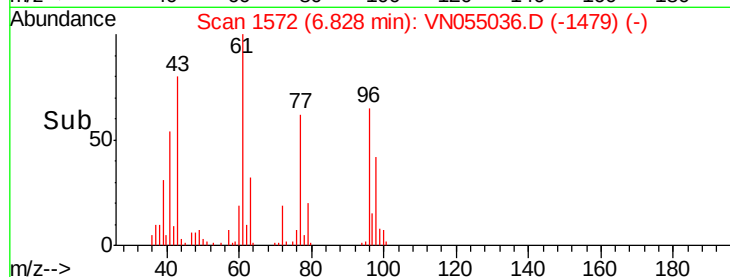
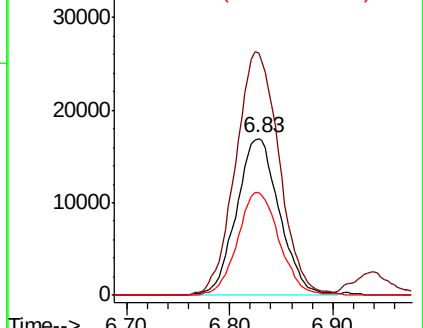
98 63.4 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN055036.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN055036.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN055036.D (-1479) (-)



#28

Bromochloromethane

Concen: 10.271 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

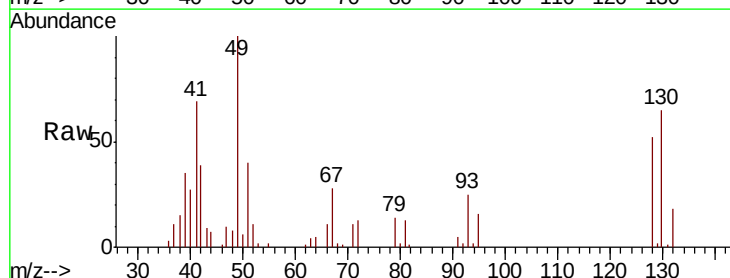
Tgt Ion: 49 Resp: 40725

Ion Ratio Lower Upper

49 100

129 1.2 0.0 2.0

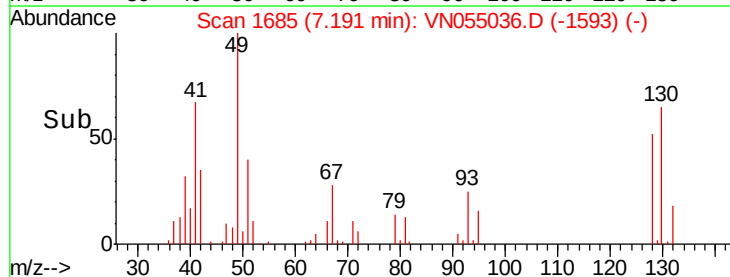
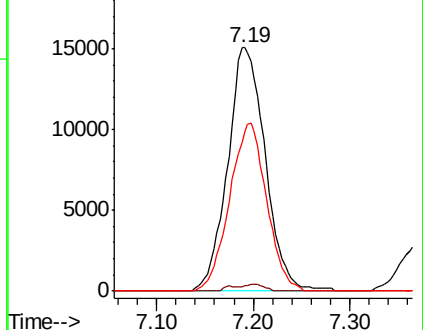
130 67.5 53.4 80.2

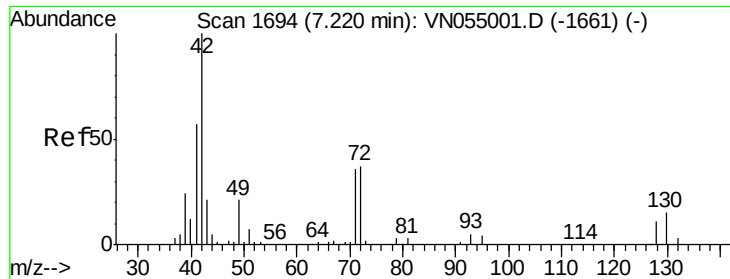


Abundance Ion 48.90 (48.60 to 49.60): VN055036.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN055036.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN055036.D (-1593) (-)

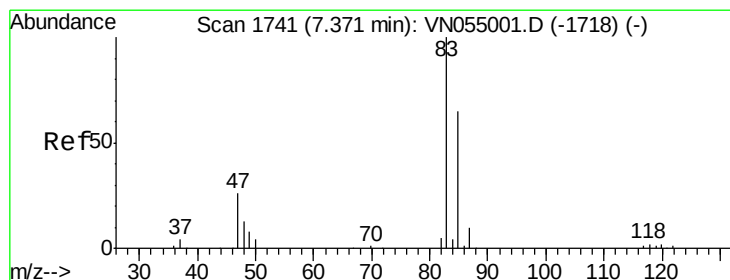
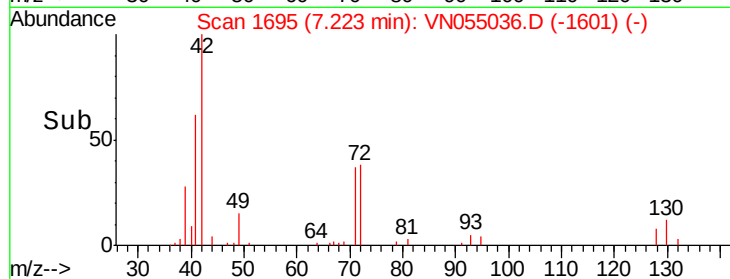
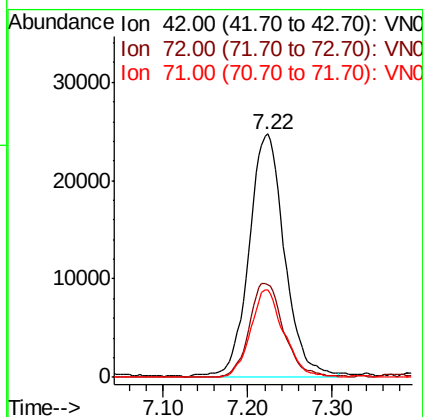
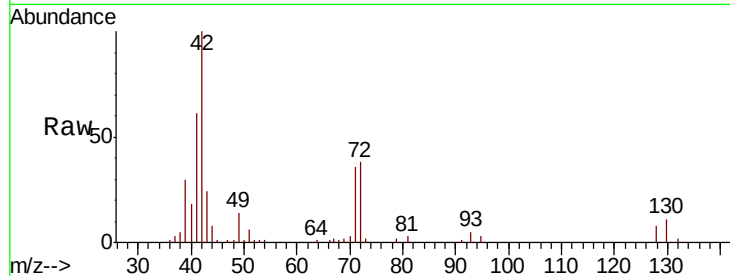




#29
Tetrahydrofuran
Concen: 51.793 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

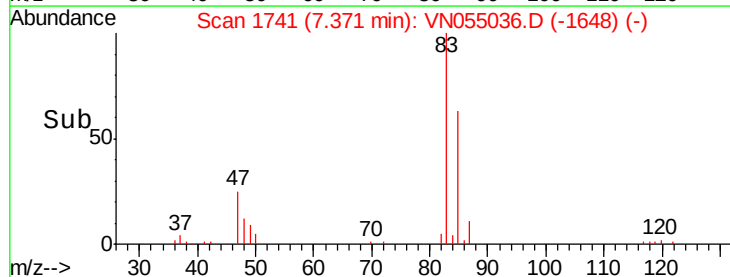
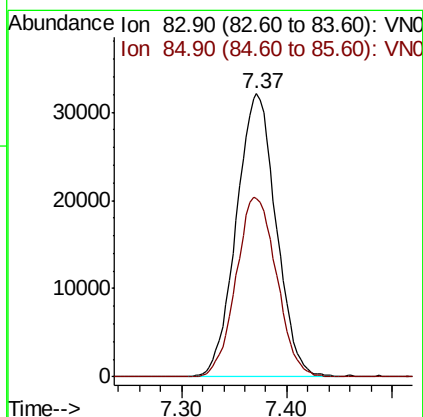
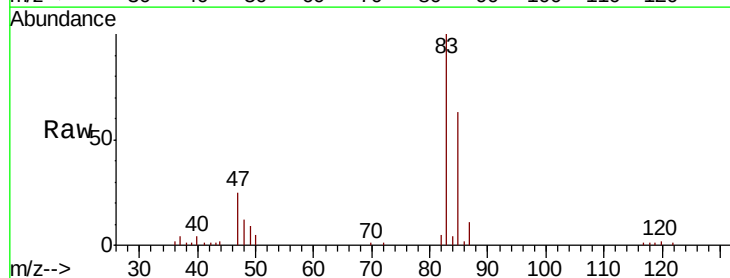
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

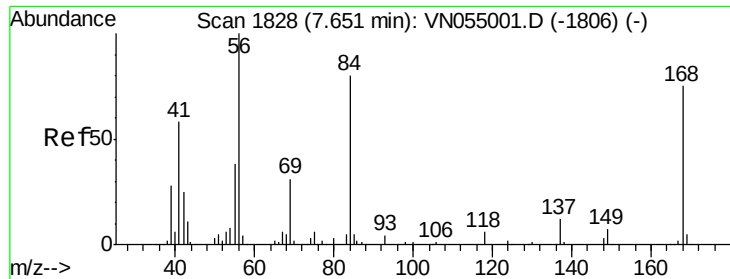
Tgt Ion: 42 Resp: 72831
Ion Ratio Lower Upper
42 100
72 37.3 29.4 44.0
71 33.5 27.8 41.6



#30
Chloroform
Concen: 10.549 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

Tgt Ion: 83 Resp: 84069
Ion Ratio Lower Upper
83 100
85 63.2 51.8 77.6

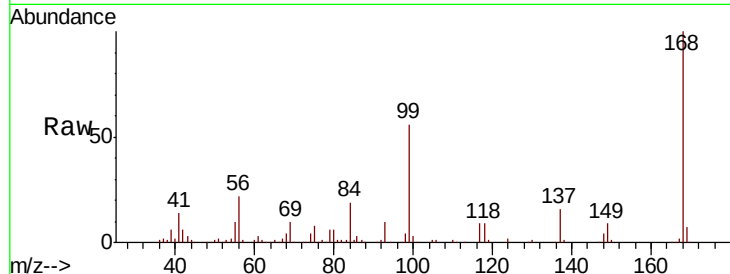




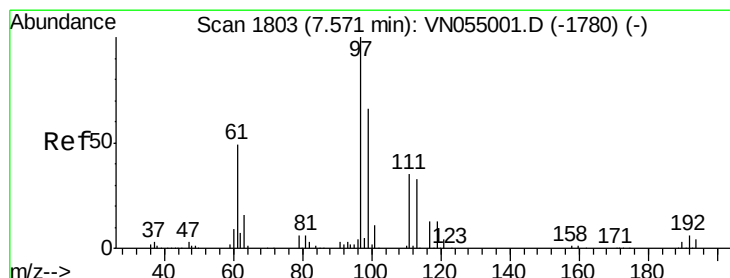
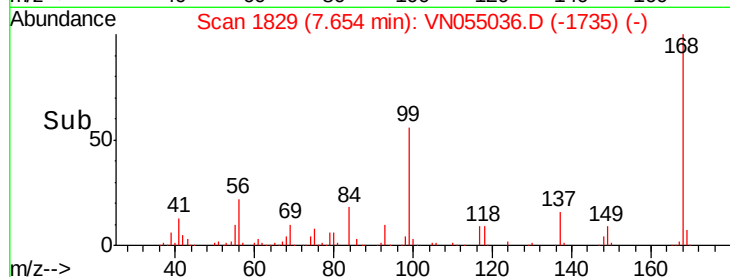
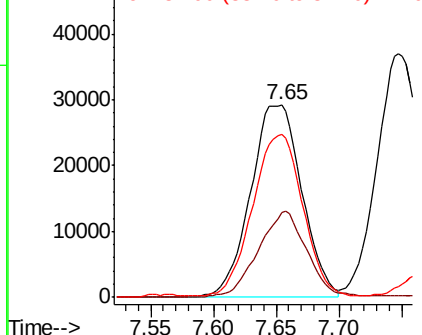
#31
Cyclohexane
Concen: 9.035 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 56 Resp: 83091
Ion Ratio Lower Upper
56 100
69 43.8 24.5 36.7#
84 83.5 62.9 94.3

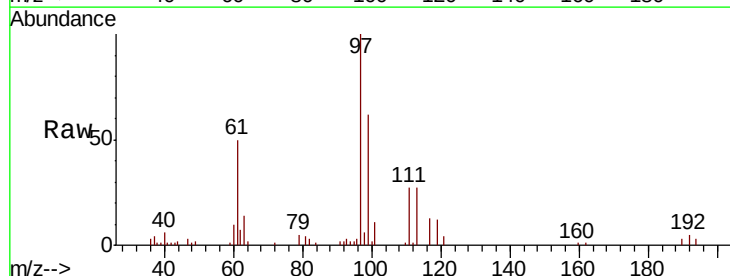


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

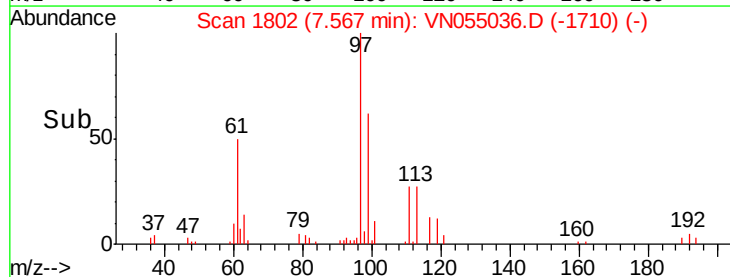
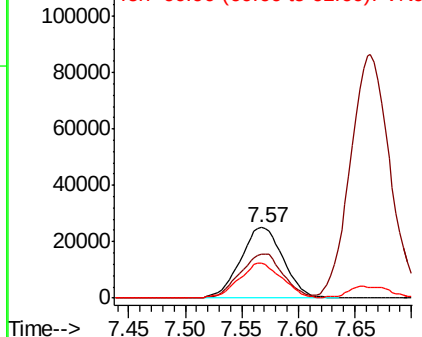


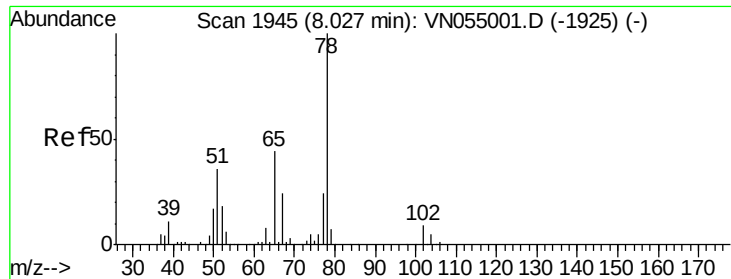
#32
1,1,1-Trichloroethane
Concen: 10.367 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

Tgt Ion: 97 Resp: 65819
Ion Ratio Lower Upper
97 100
99 63.3 51.6 77.4
61 49.6 38.3 57.5



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

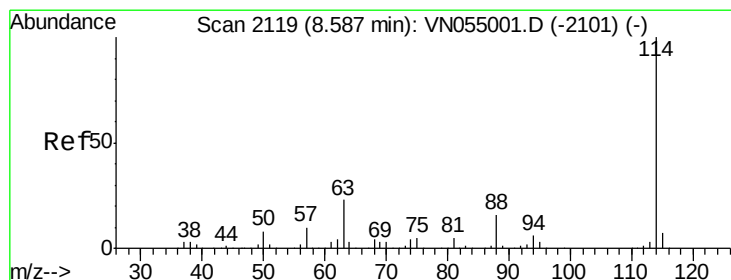
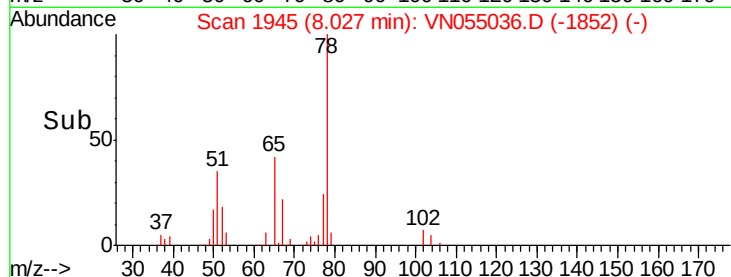
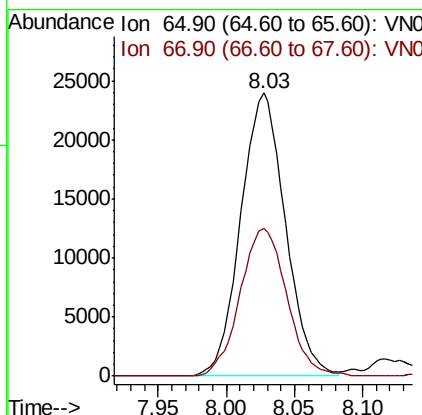
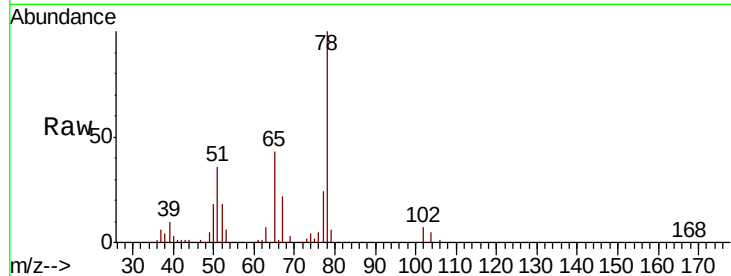




#33
 1,2-Dichloroethane-d4
 Concen: 10.745 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

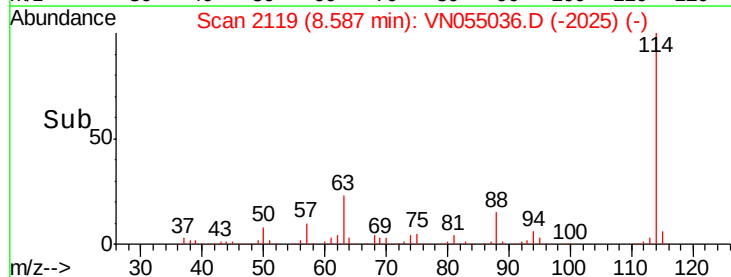
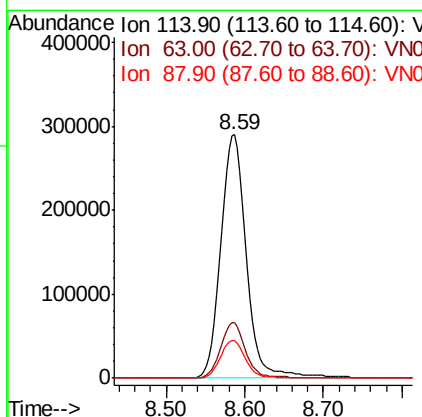
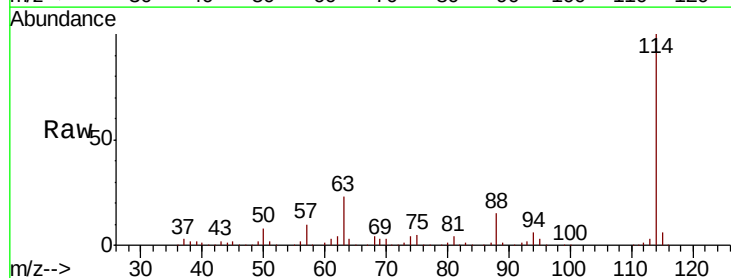
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

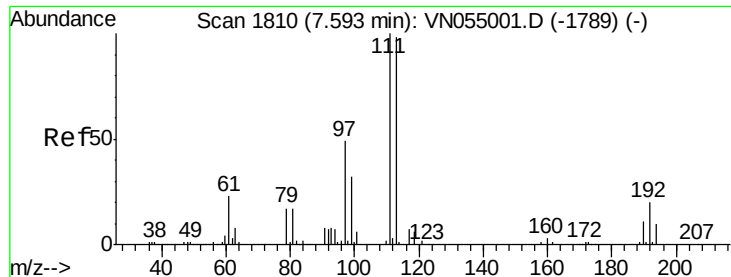
Tgt Ion: 65 Resp: 54475
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Tgt Ion: 114 Resp: 648645
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.2
 88 15.2 0.0 31.8

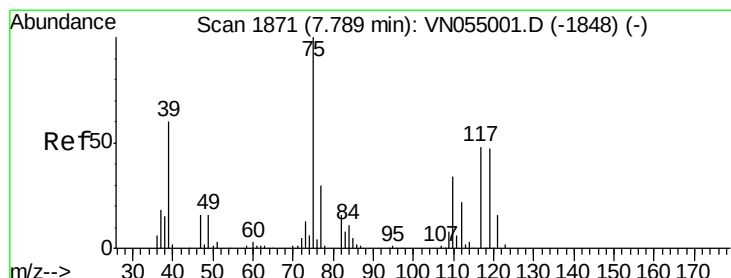
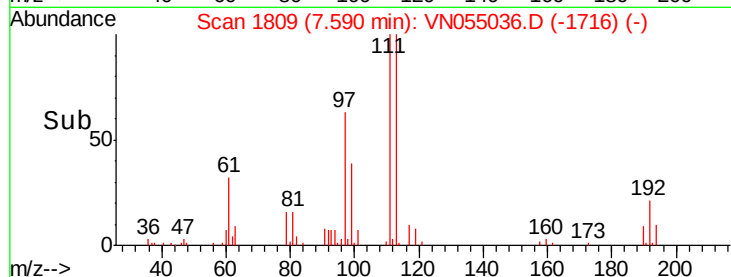
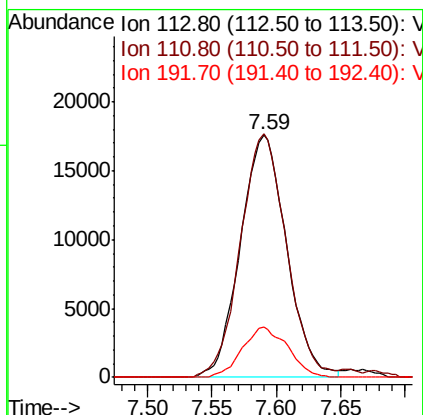
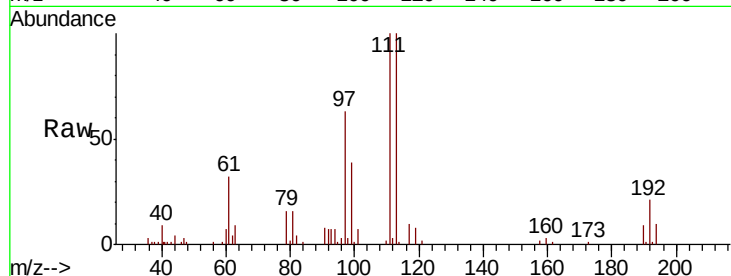




#35
 Dibromofluoromethane
 Concen: 10.598 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

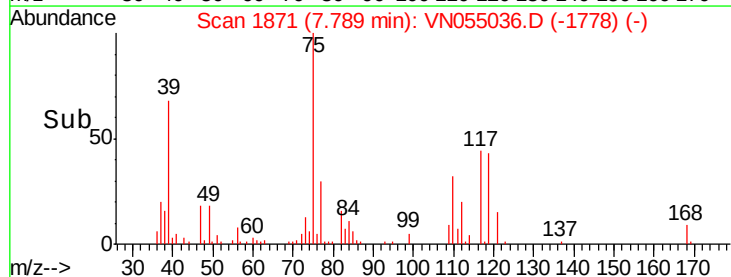
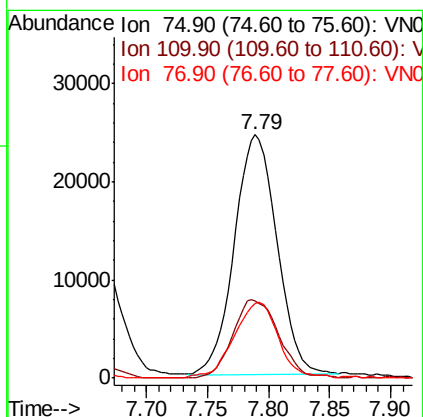
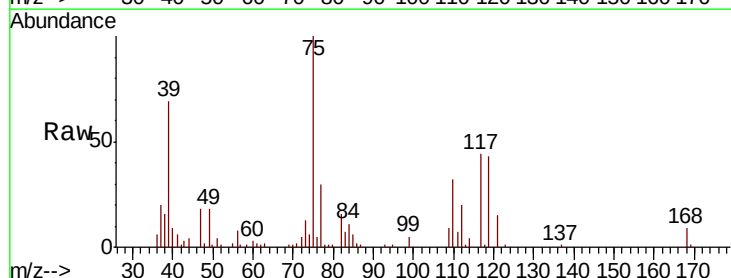
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

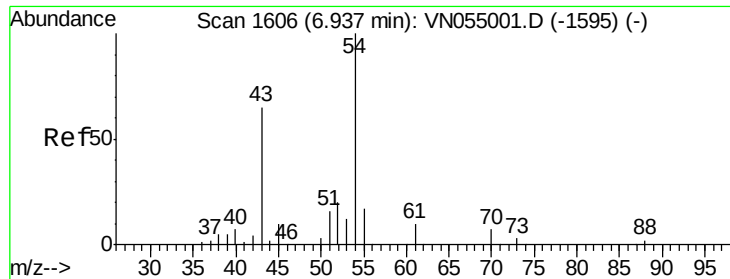
Tgt Ion:113 Resp: 43824
 Ion Ratio Lower Upper
 113 100
 111 100.2 82.1 123.1
 192 20.4 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 9.934 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Tgt Ion: 75 Resp: 59554
 Ion Ratio Lower Upper
 75 100
 110 35.0 17.5 52.5
 77 32.7 24.9 37.3

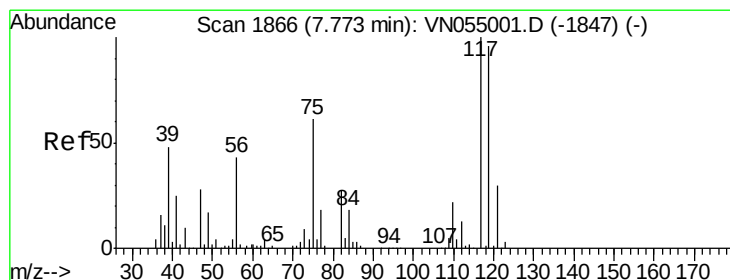
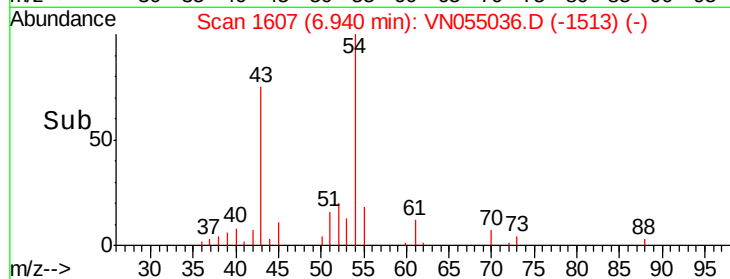
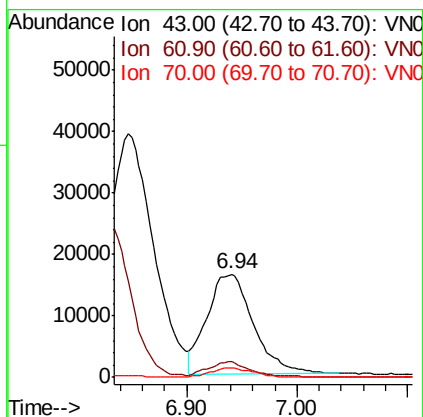
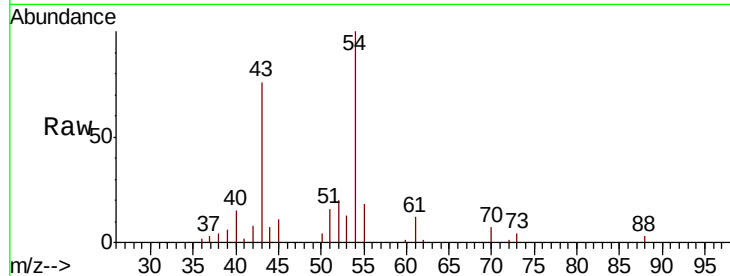




#37
Ethyl Acetate
Concen: 10.662 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

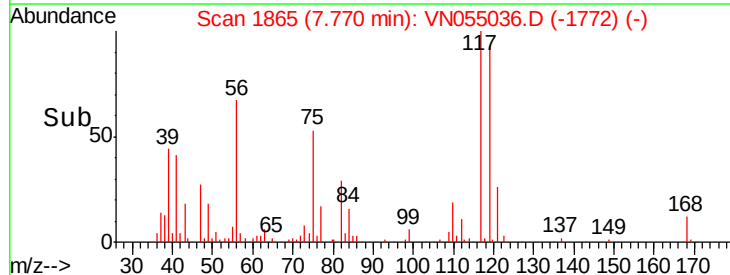
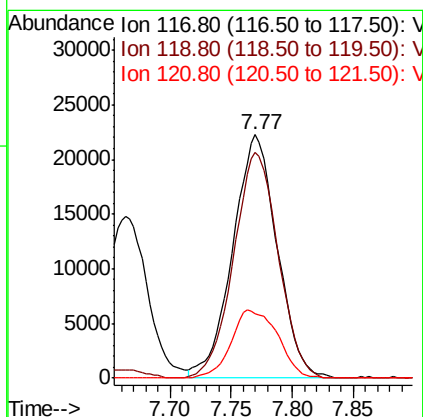
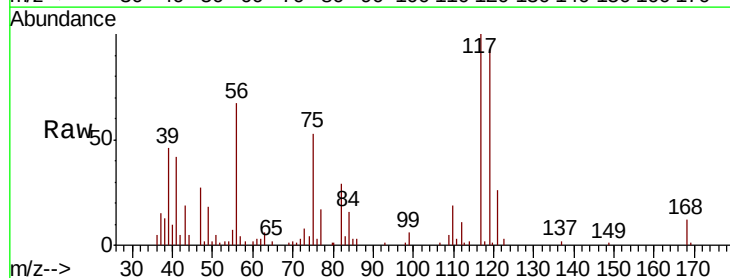
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

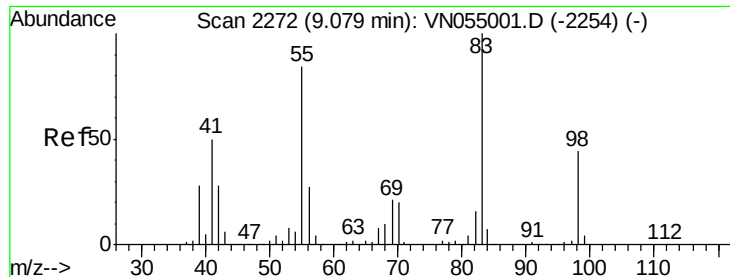
Tgt Ion: 43 Resp: 47981
Ion Ratio Lower Upper
43 100
61 12.1 10.0 15.0
70 8.6 7.1 10.7



#38
Carbon Tetrachloride
Concen: 9.937 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

Tgt Ion: 117 Resp: 56076
Ion Ratio Lower Upper
117 100
119 92.9 76.3 114.5
121 26.5 23.9 35.9

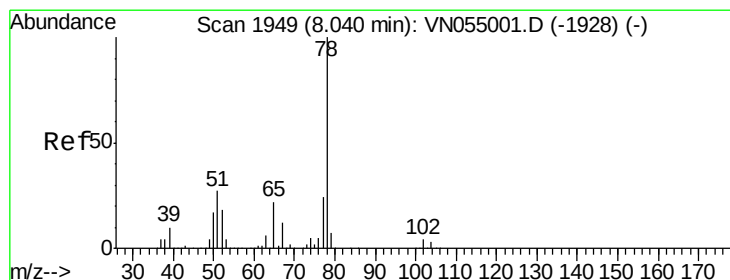
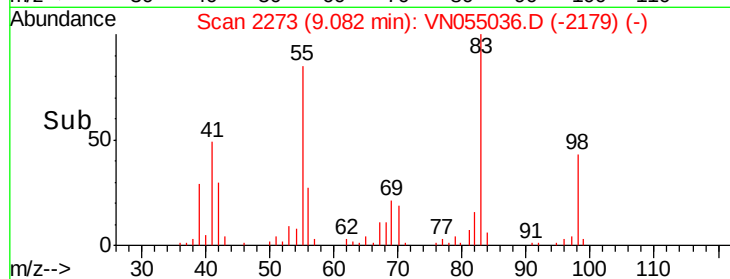
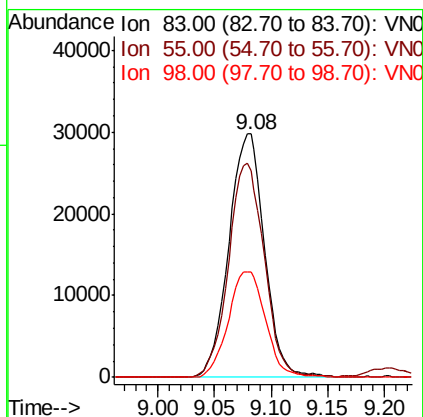
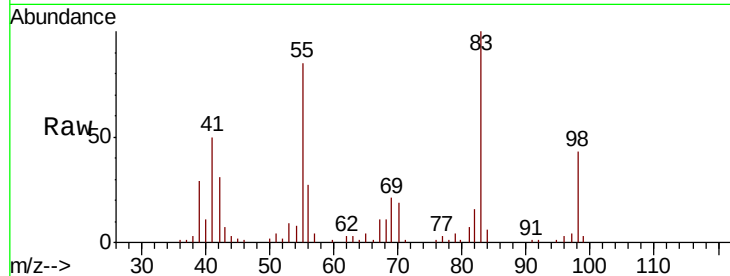




#39
Methylcyclohexane
Concen: 9.525 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

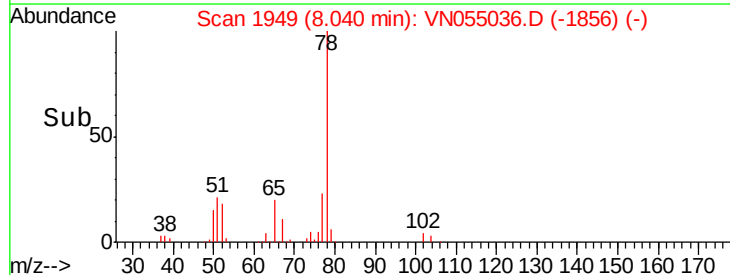
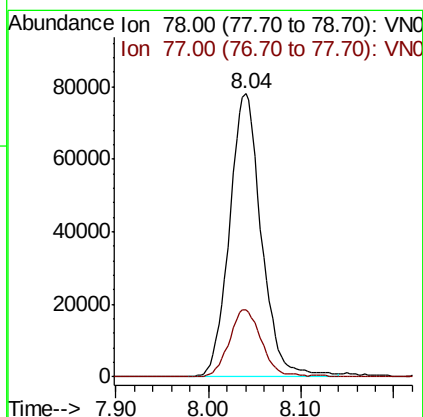
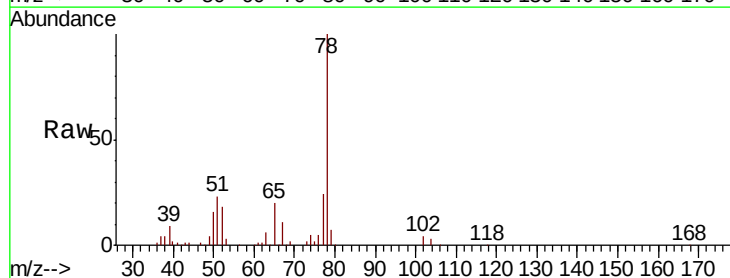
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

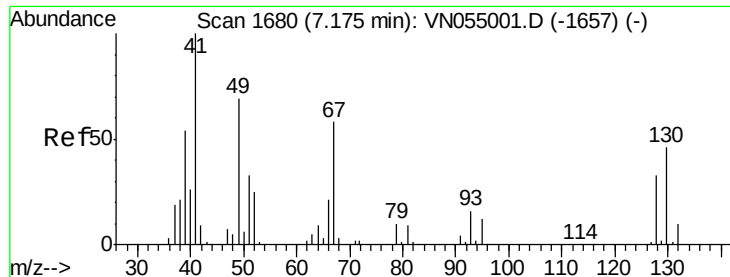
Tgt Ion: 83 Resp: 65367
Ion Ratio Lower Upper
83 100
55 84.6 67.0 100.4
98 43.2 35.6 53.4



#40
Benzene
Concen: 10.301 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

Tgt Ion: 78 Resp: 186703
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

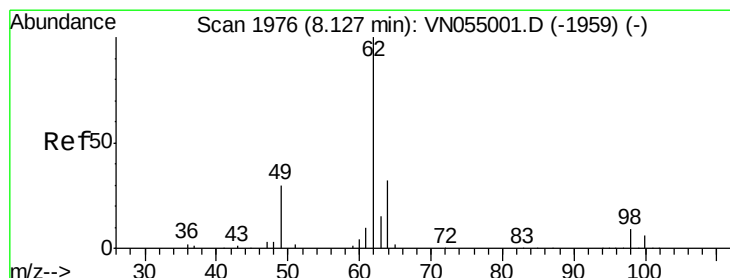
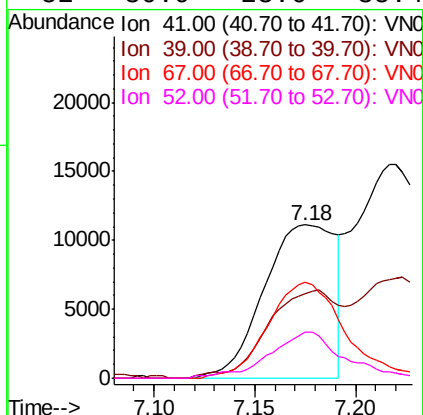
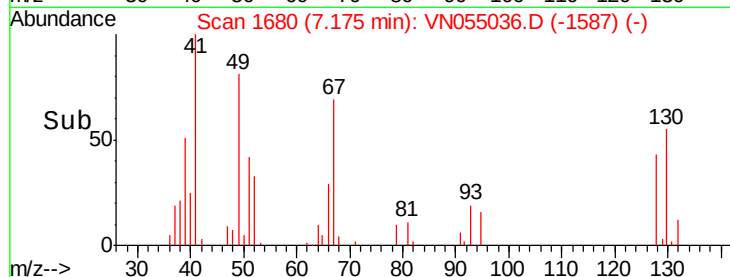
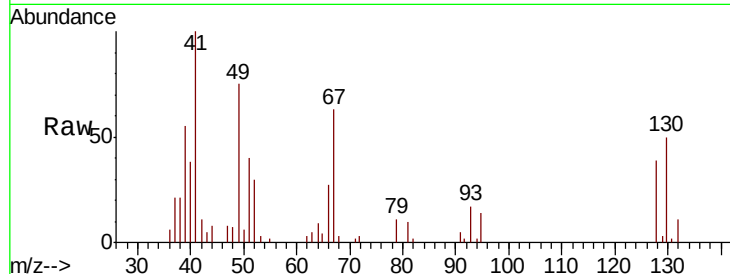




#41
Methacrylonitrile
Concen: 9.844 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

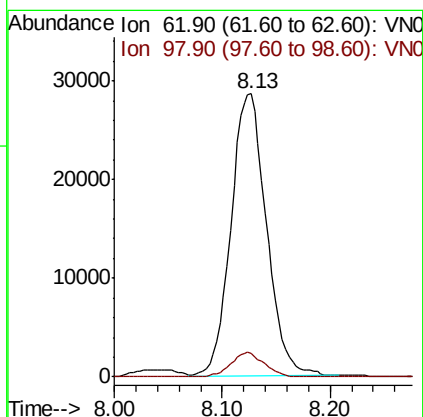
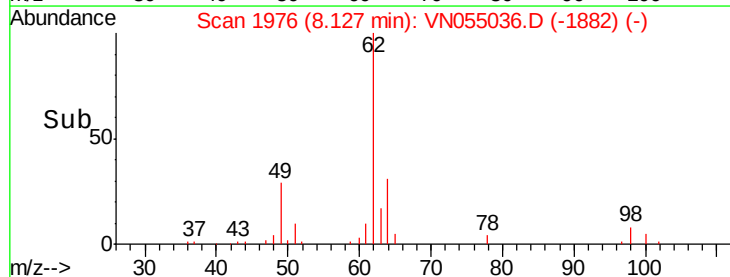
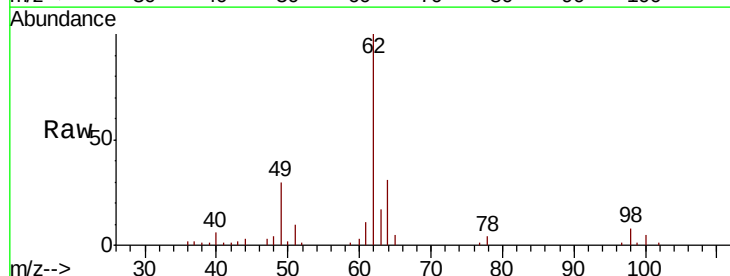
Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

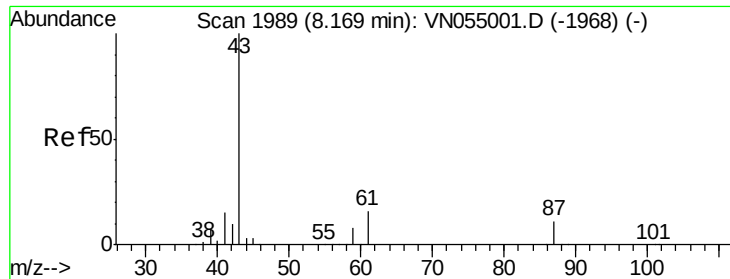
Tgt Ion: 41 Resp: 27260
Ion Ratio Lower Upper
41 100
39 57.8 45.6 68.4
67 67.9 57.0 85.6
52 30.9 23.6 35.4



#42
1,2-Dichloroethane
Concen: 10.294 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

Tgt Ion: 62 Resp: 65633
Ion Ratio Lower Upper
62 100
98 8.1 0.0 17.4





#43

Isopropyl Acetate

Concen: 10.245 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

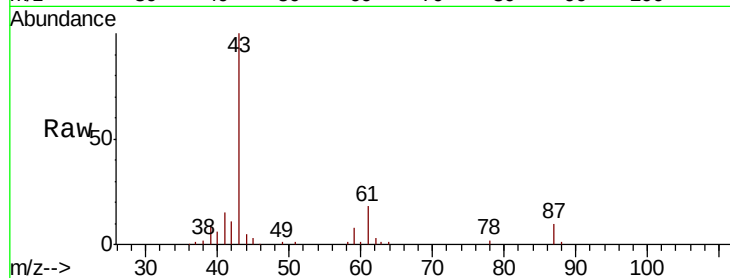
Tgt Ion: 43 Resp: 78836

Ion Ratio Lower Upper

43 100

61 18.0 14.3 21.5

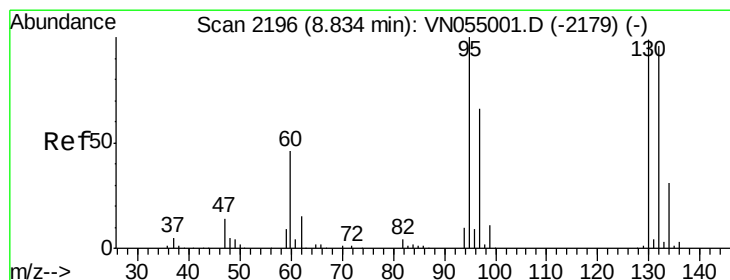
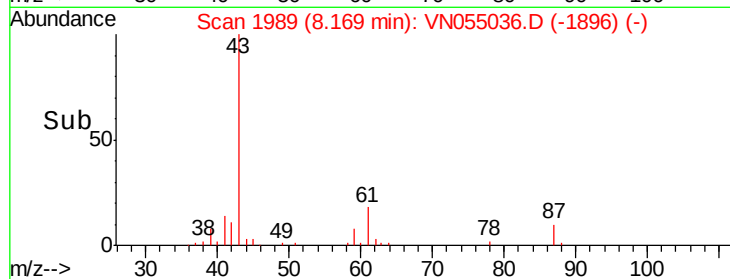
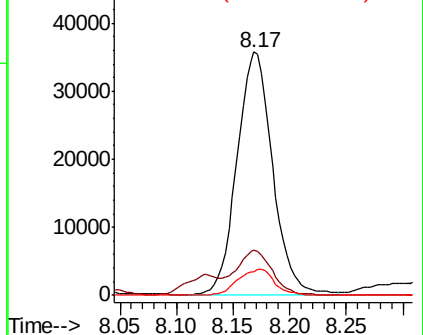
87 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055001.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055001.D (-1968) (-)



#44

Trichloroethene

Concen: 10.181 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055036.D

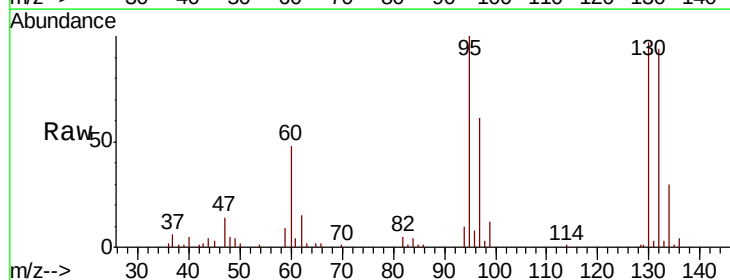
Acq: 15 Apr 2019 10:16

Tgt Ion: 130 Resp: 47156

Ion Ratio Lower Upper

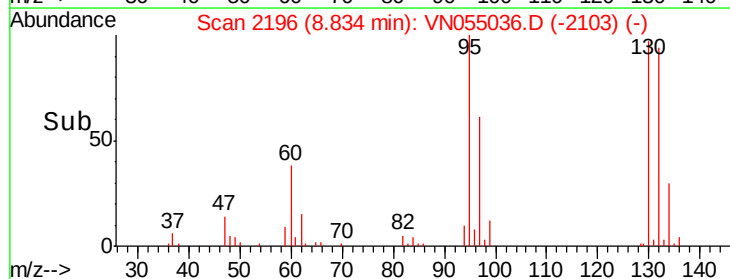
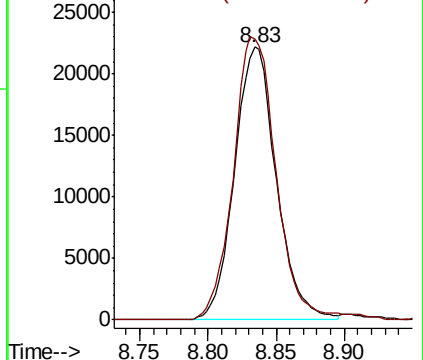
130 100

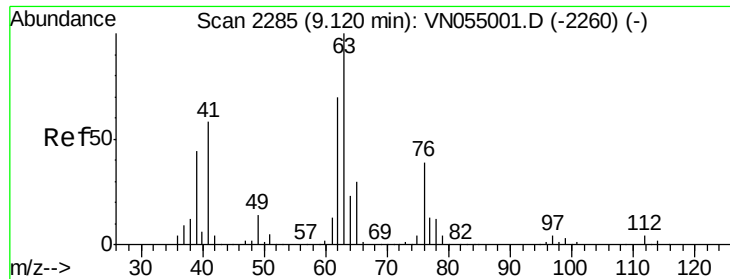
95 102.9 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055001.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055001.D (-2179) (-)

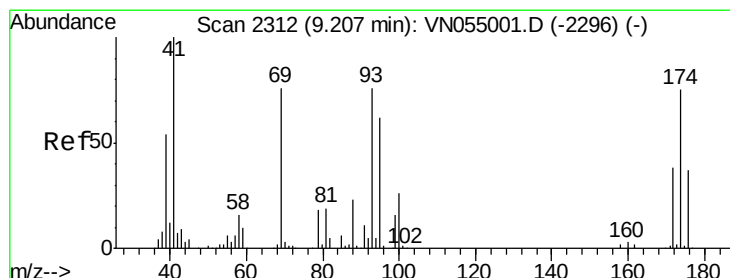
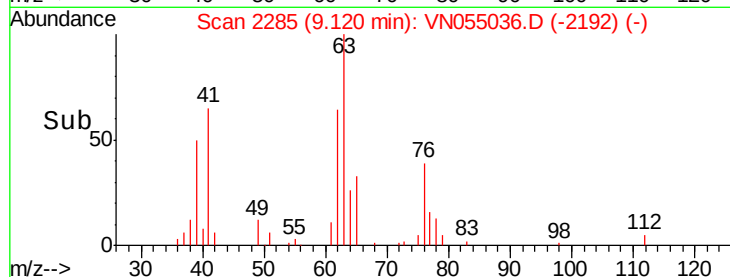
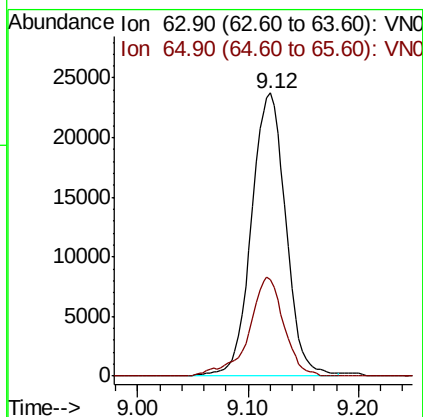
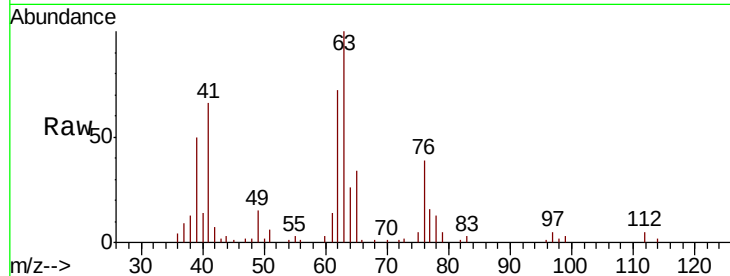




#45
 1,2-Dichloropropane
 Concen: 10.012 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

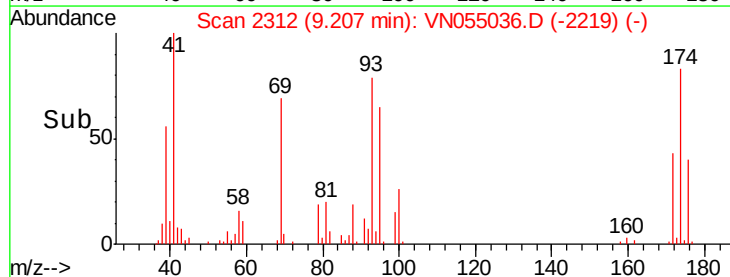
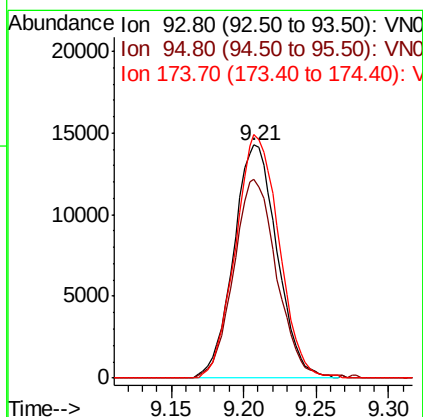
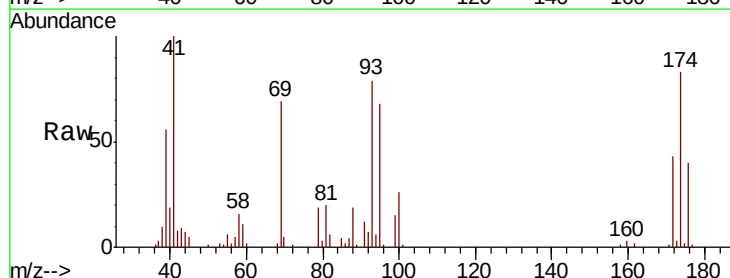
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

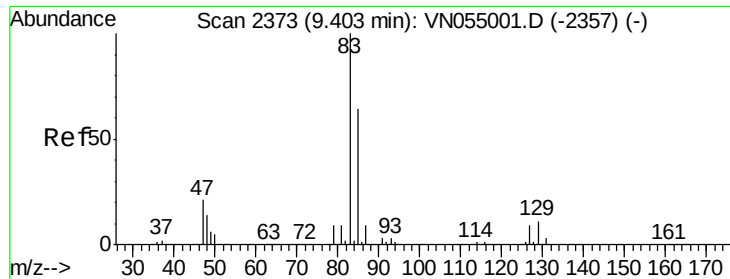
Tgt Ion: 63 Resp: 51208
 Ion Ratio Lower Upper
 63 100
 65 34.3 24.4 36.6



#46
 Dibromomethane
 Concen: 10.150 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Tgt Ion: 93 Resp: 29745
 Ion Ratio Lower Upper
 93 100
 95 84.4 65.0 97.6
 174 104.4 81.0 121.6





#47

Bromodichloromethane

Concen: 10.124 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

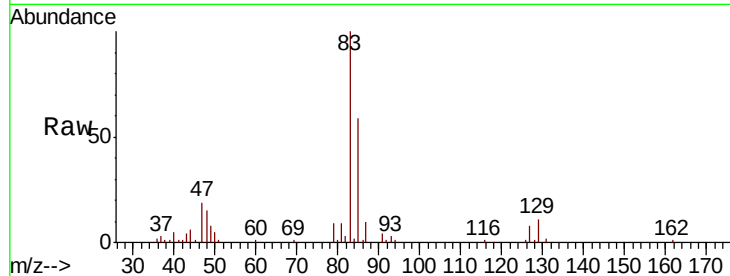
Tgt Ion: 83 Resp: 60335

Ion Ratio Lower Upper

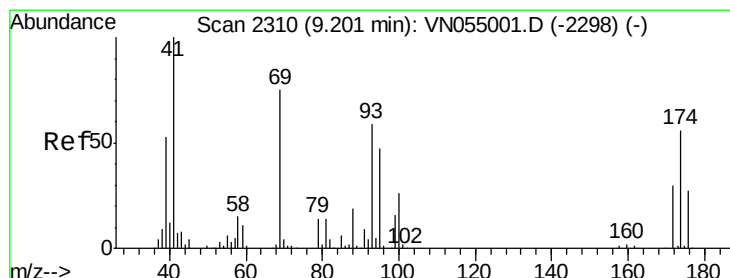
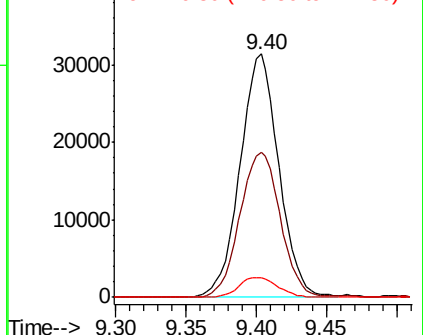
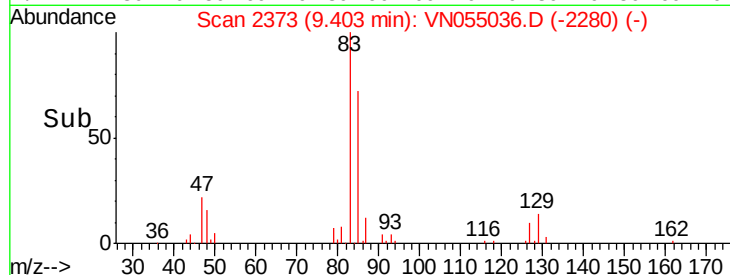
83 100

85 59.4 51.2 76.8

127 8.1 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN055036.D (-2280) (-)



#48

Methyl methacrylate

Concen: 9.944 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

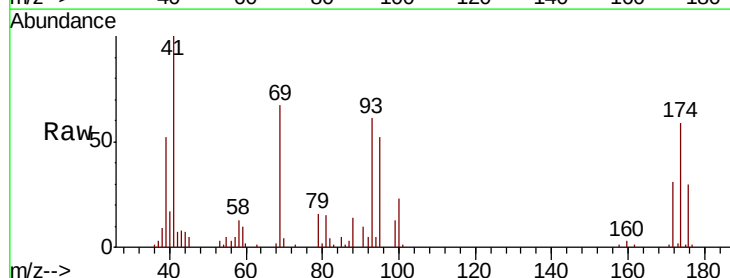
Tgt Ion: 41 Resp: 39420

Ion Ratio Lower Upper

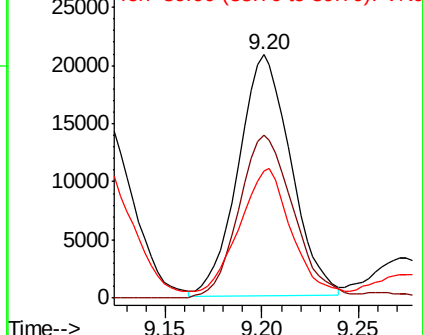
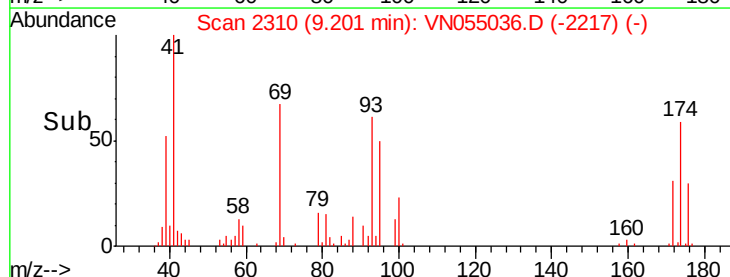
41 100

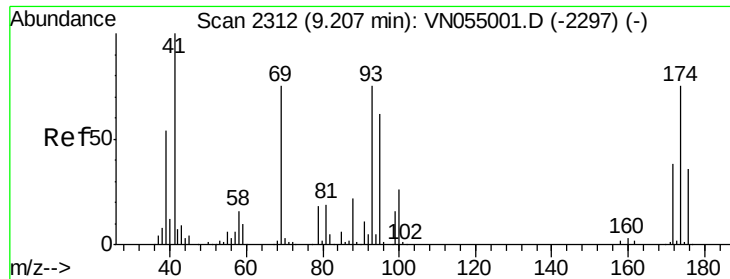
69 69.8 60.5 90.7

39 51.6 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VN055036.D (-2217) (-)





#49

1,4-Dioxane

Concen: 171.488 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

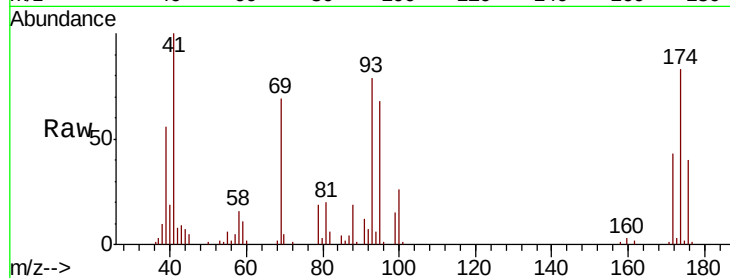
Tgt Ion: 88 Resp: 7311

Ion Ratio Lower Upper

88 100

43 36.4 31.8 47.8

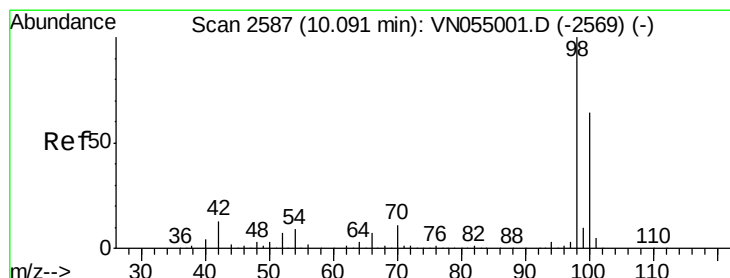
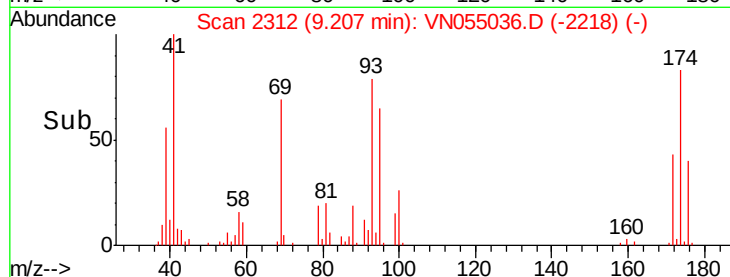
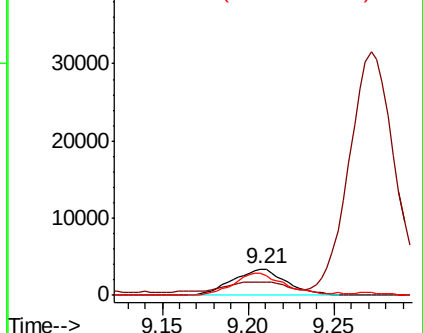
58 80.4 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN055001.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN055001.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-2297) (-)



#50

Toluene-d8

Concen: 10.202 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055036.D

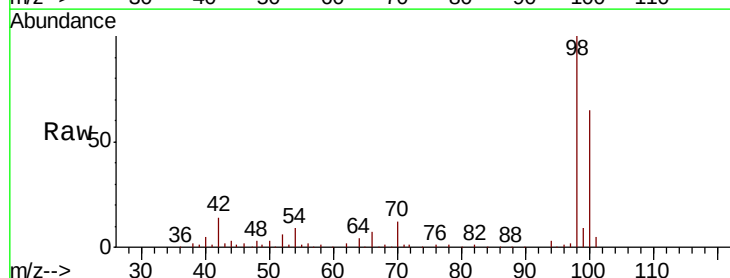
Acq: 15 Apr 2019 10:16

Tgt Ion: 98 Resp: 154937

Ion Ratio Lower Upper

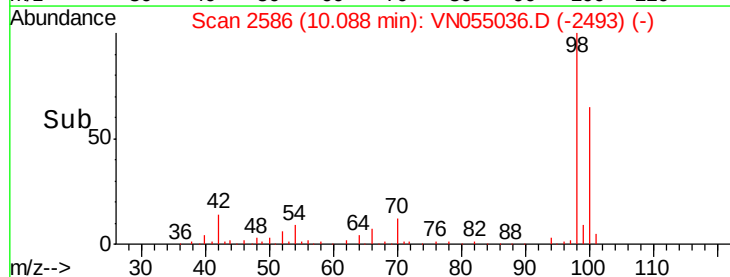
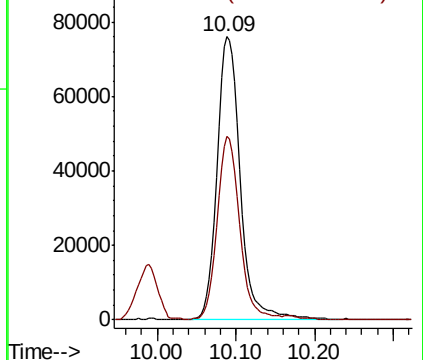
98 100

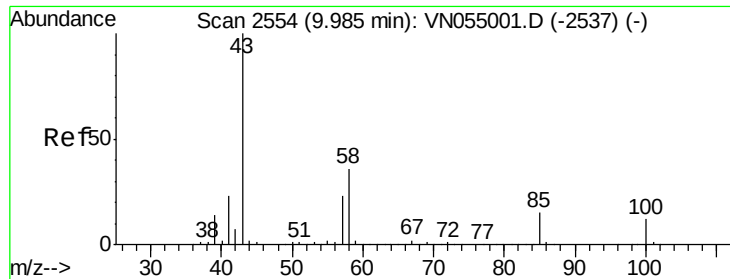
100 61.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055001.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055001.D (-2569) (-)

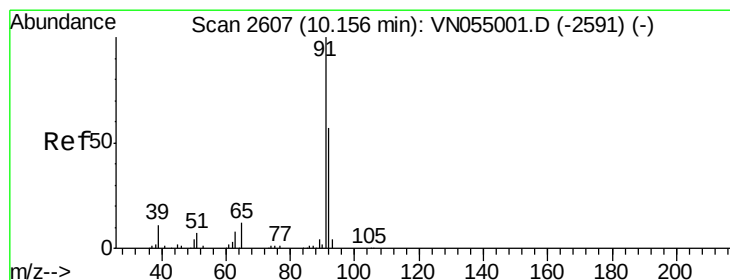
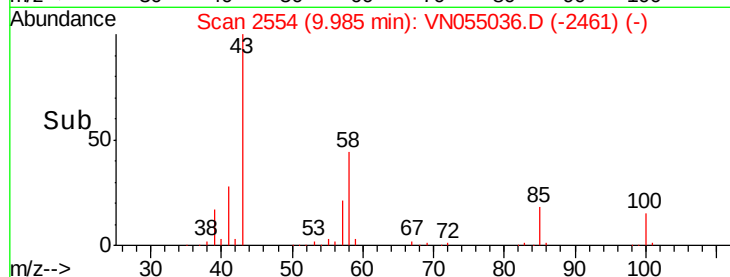
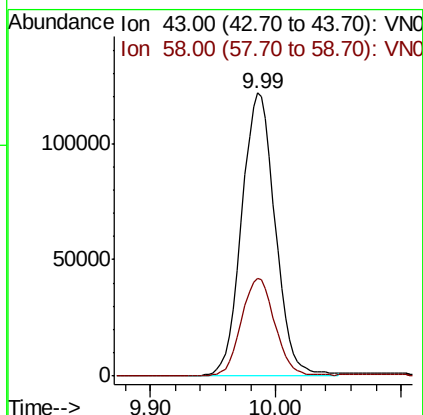
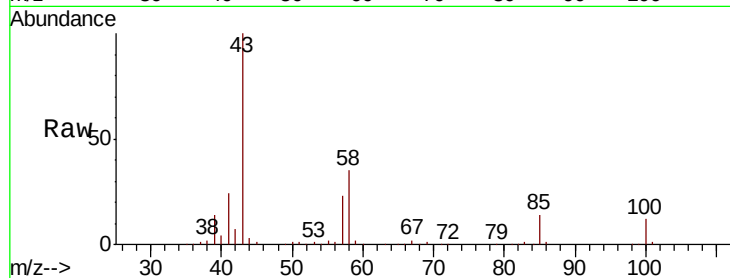




#51
4-Methyl-2-Pentanone
Concen: 49.892 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

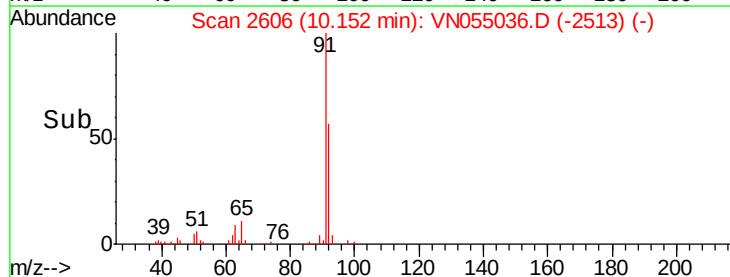
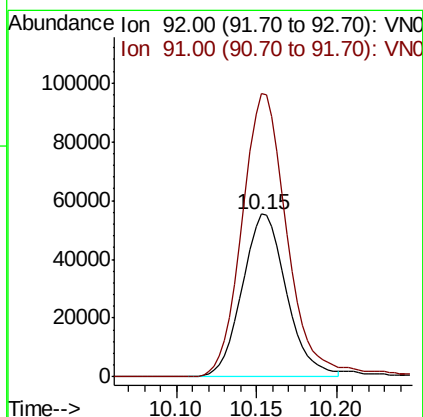
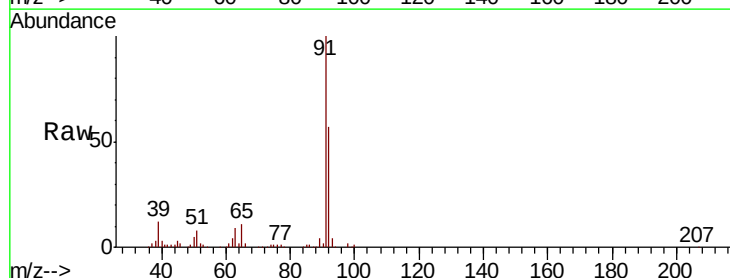
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

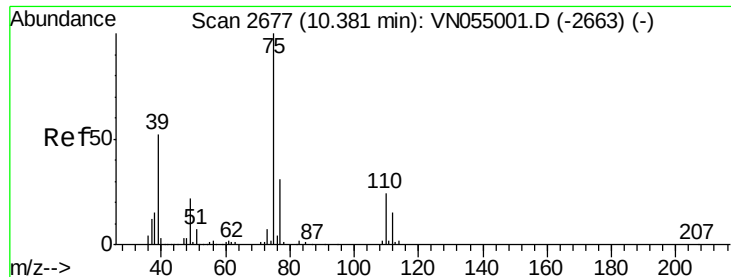
Tgt Ion: 43 Resp: 224803
Ion Ratio Lower Upper
43 100
58 35.0 29.0 43.4



#52
Toluene
Concen: 9.799 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

Tgt Ion: 92 Resp: 105031
Ion Ratio Lower Upper
92 100
91 176.4 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 9.389 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

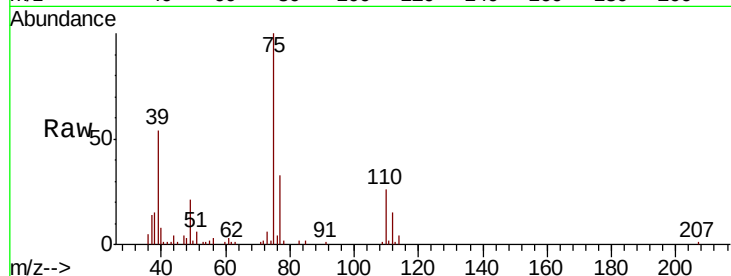
VSTDIC010

Tgt Ion: 75 Resp: 50666

Ion Ratio Lower Upper

75 100

77 32.0 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

25000

20000

15000

10000

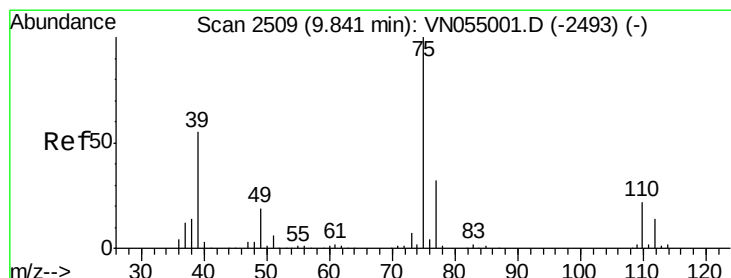
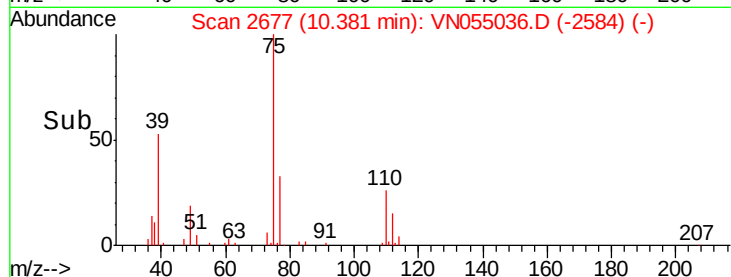
5000

0

Time-->

10.30

10.40



#54

cis-1,3-Dichloropropene

Concen: 9.323 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

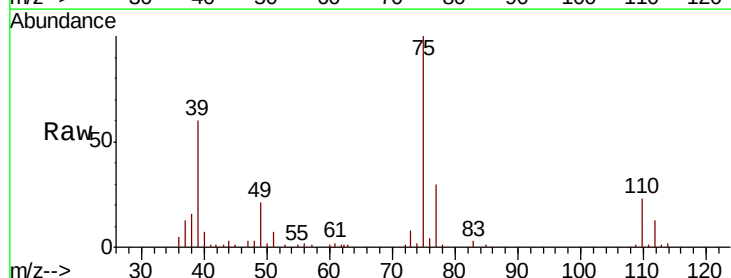
Tgt Ion: 75 Resp: 61973

Ion Ratio Lower Upper

75 100

77 30.2 25.8 38.6

39 59.1 43.8 65.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

40000

30000

20000

10000

0

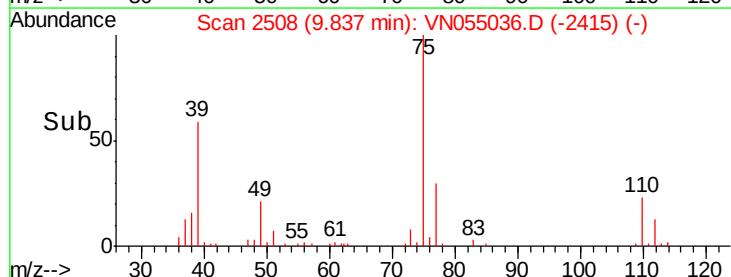
Time-->

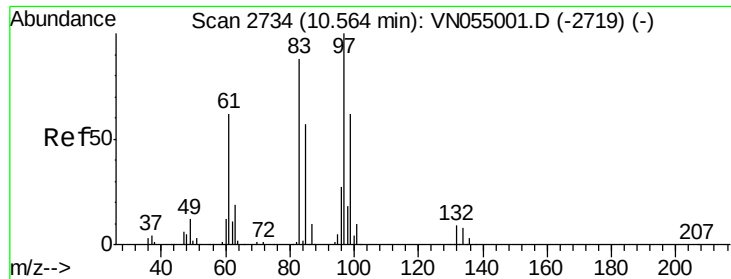
9.75

9.80

9.85

9.90

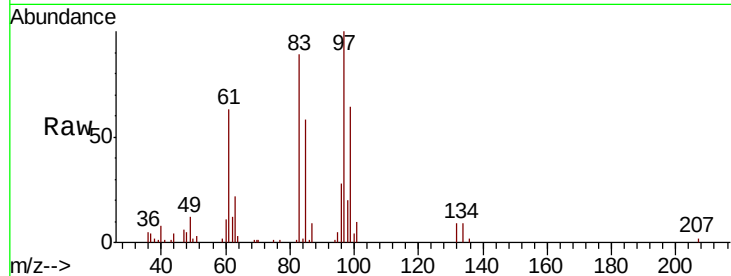




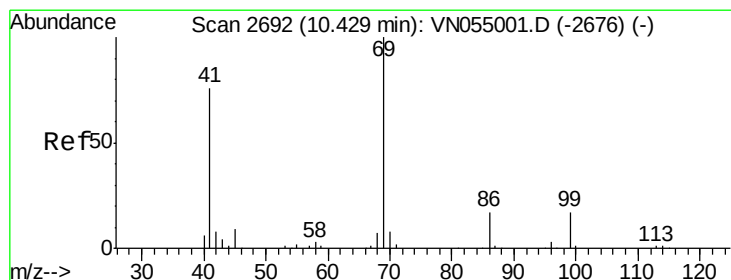
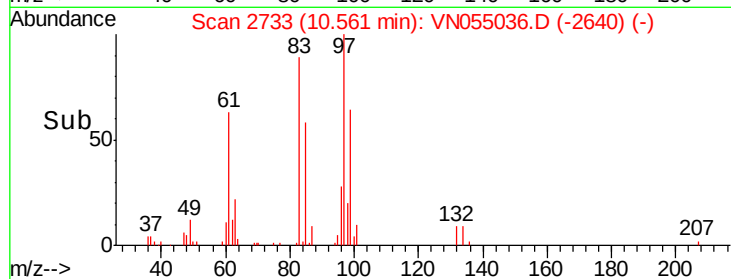
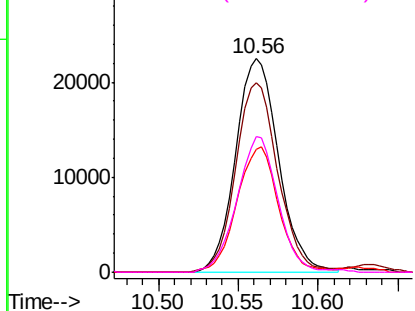
#55
 1,1,2-Trichloroethane
 Concen: 10.329 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tgt Ion: 97 Resp: 41243
 Ion Ratio Lower Upper
 97 100
 83 89.0 70.5 105.7
 85 57.8 45.5 68.3
 99 63.7 49.4 74.0

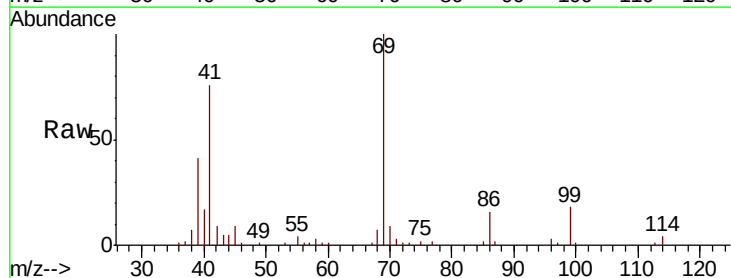


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

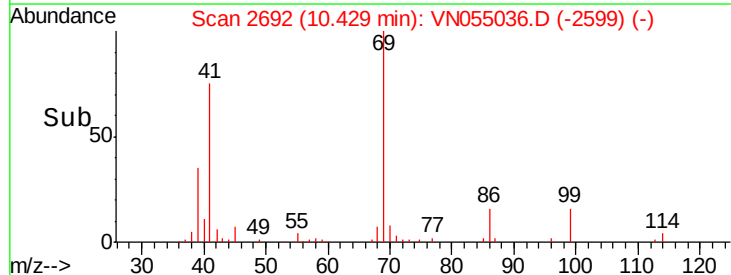
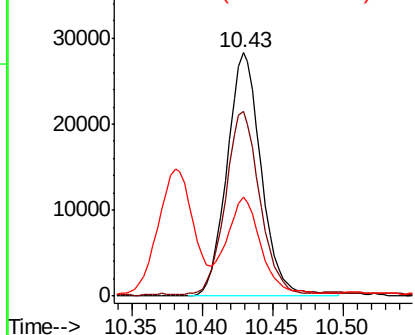


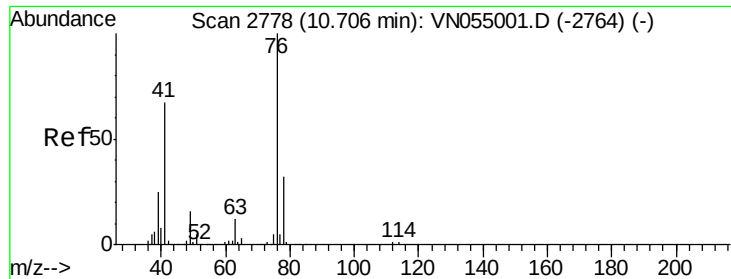
#56
 Ethyl methacrylate
 Concen: 9.362 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Tgt Ion: 69 Resp: 48102
 Ion Ratio Lower Upper
 69 100
 41 75.0 61.4 92.0
 39 38.9 30.8 46.2



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

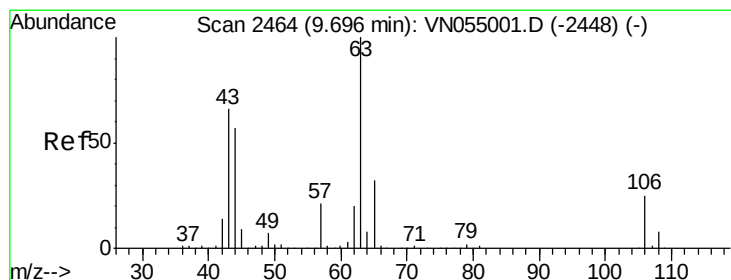
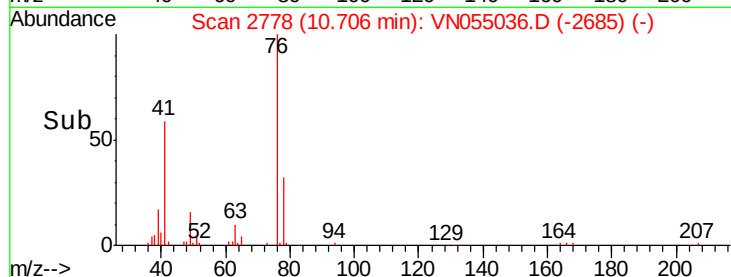
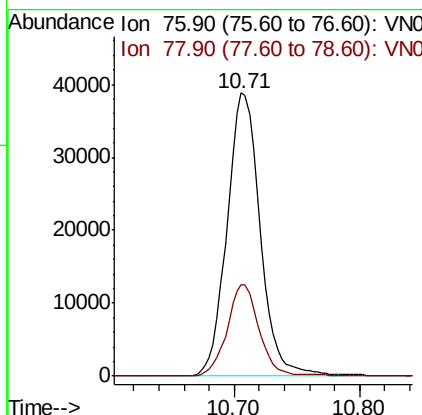
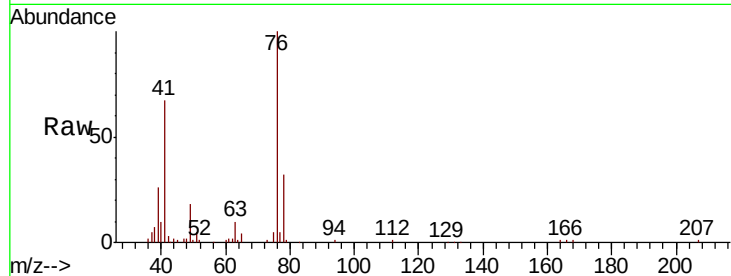




#57
 1,3-Dichloropropane
 Concen: 10.344 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

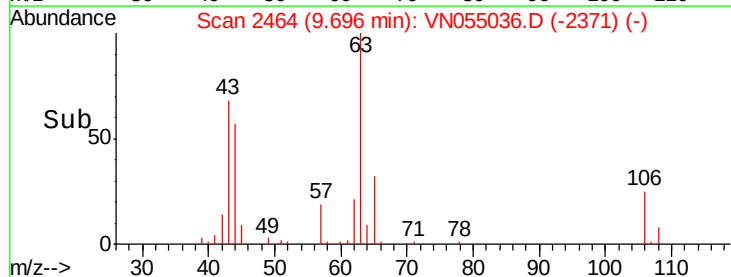
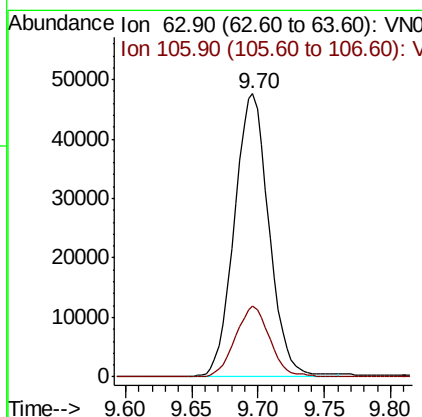
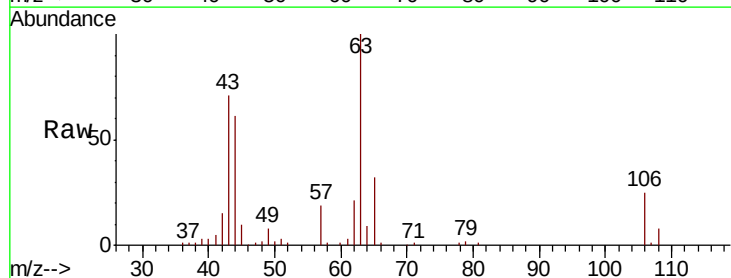
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

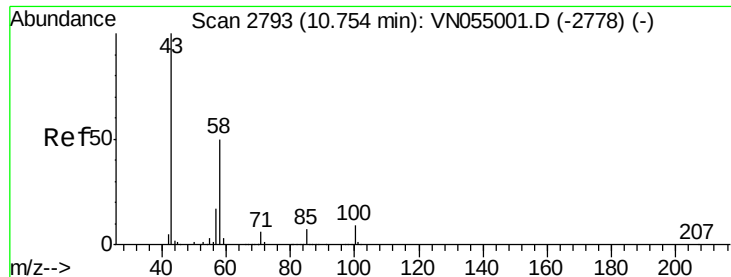
Tgt Ion: 76 Resp: 71252
 Ion Ratio Lower Upper
 76 100
 78 30.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 43.063 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Tgt Ion: 63 Resp: 86572
 Ion Ratio Lower Upper
 63 100
 106 24.8 20.0 30.0

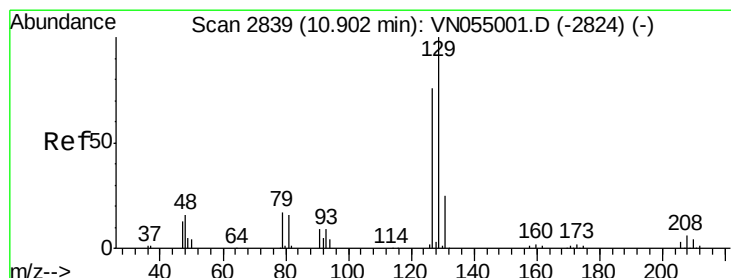
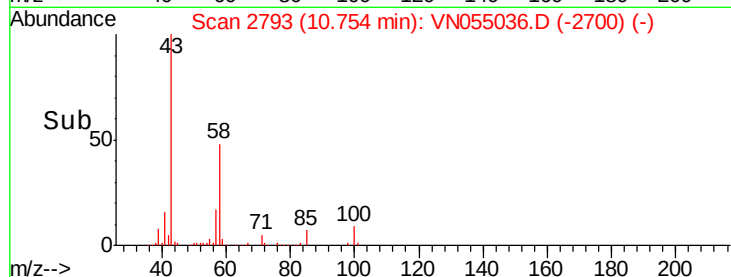
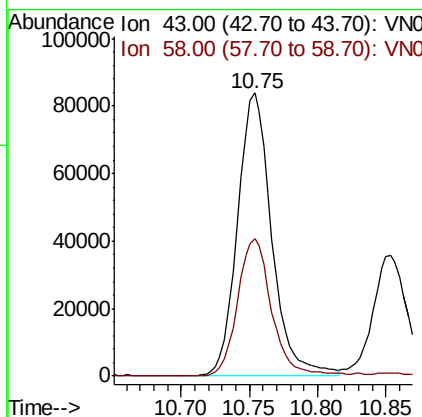
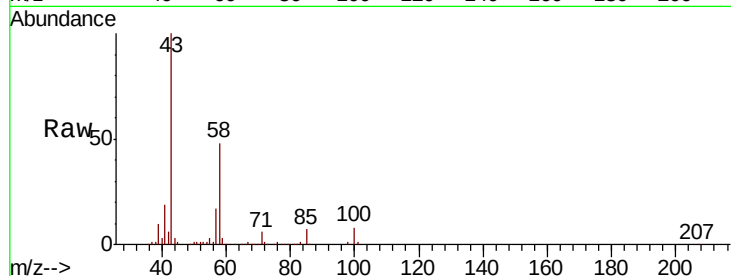




#59
2-Hexanone
Concen: 51.642 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

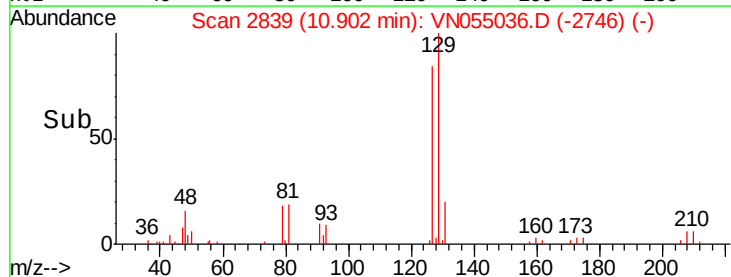
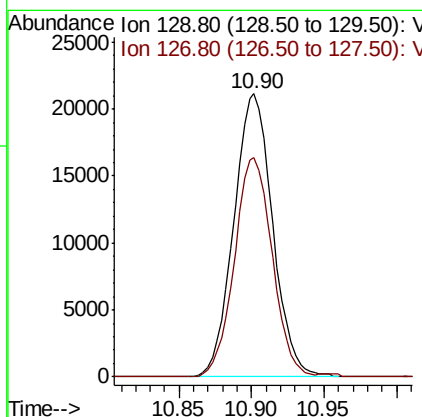
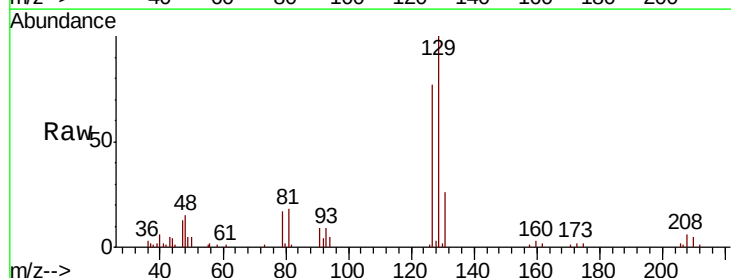
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

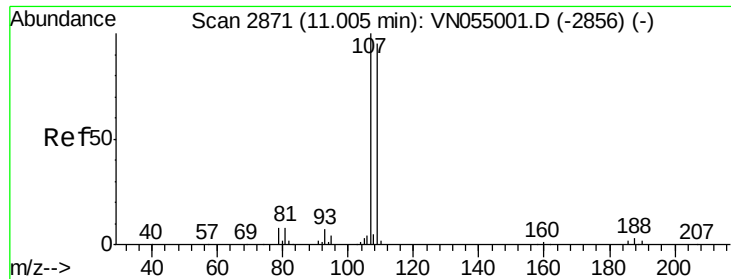
Tgt Ion: 43 Resp: 145405
Ion Ratio Lower Upper
43 100
58 48.8 25.1 75.2



#60
Dibromochloromethane
Concen: 9.922 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

Tgt Ion: 129 Resp: 39437
Ion Ratio Lower Upper
129 100
127 75.2 38.2 114.6

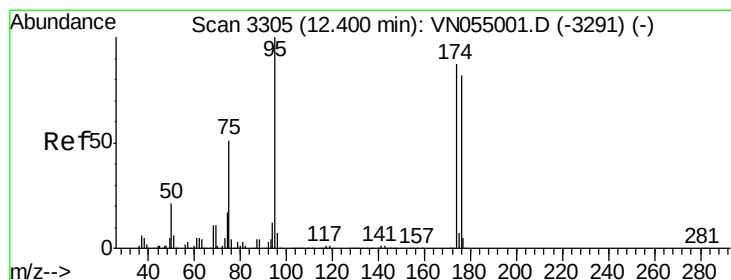
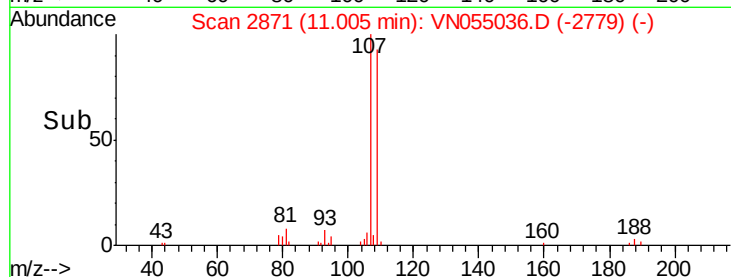
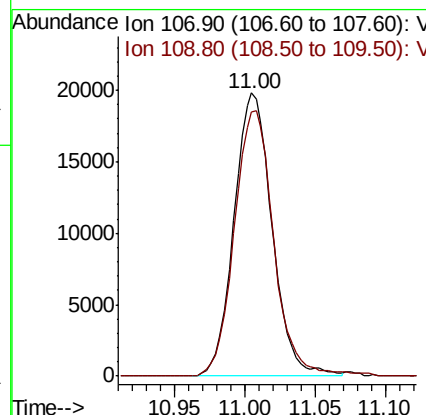
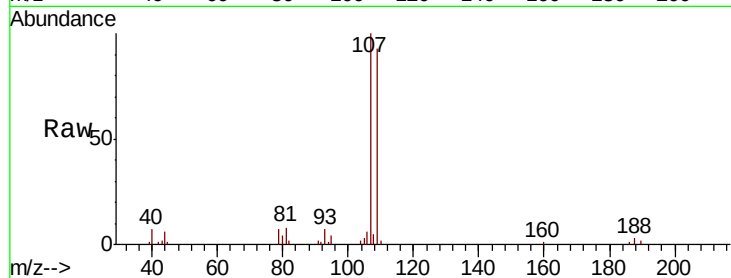




#61
 1,2-Dibromoethane
 Concen: 9.799 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

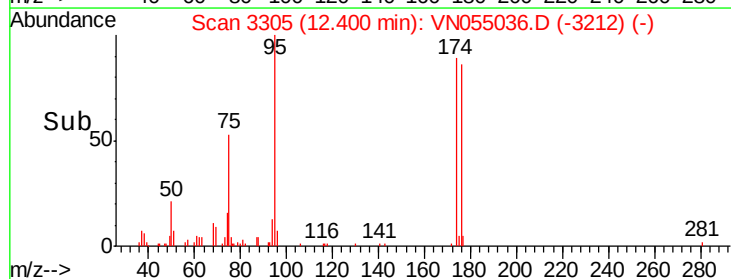
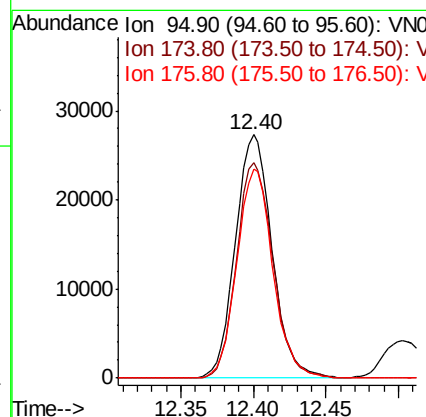
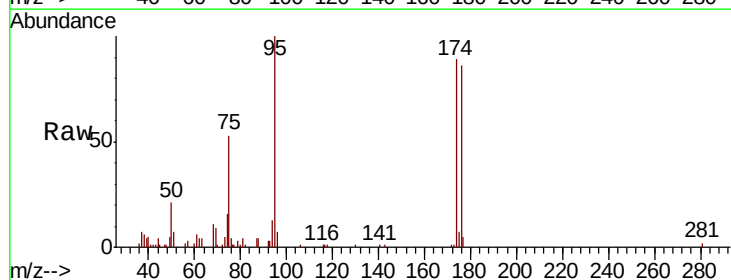
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

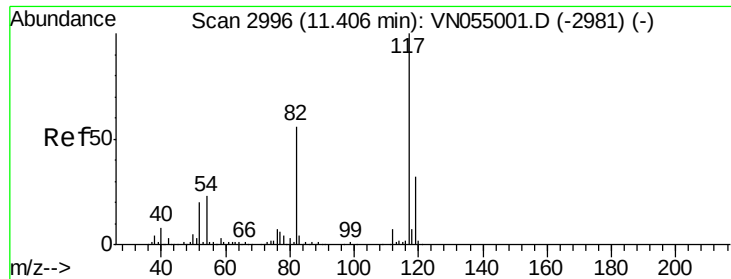
Tgt Ion: 107 Resp: 37460
 Ion Ratio Lower Upper
 107 100
 109 96.9 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 9.378 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Tgt Ion: 95 Resp: 47973
 Ion Ratio Lower Upper
 95 100
 174 88.1 0.0 174.4
 176 84.4 0.0 166.8

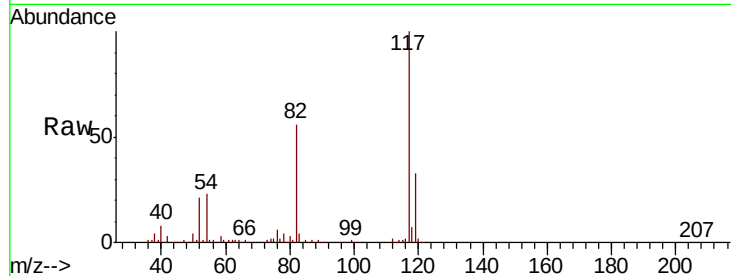




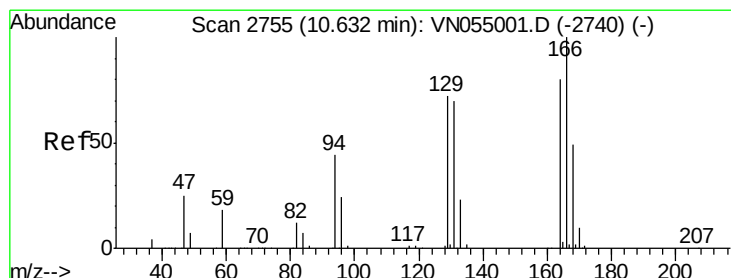
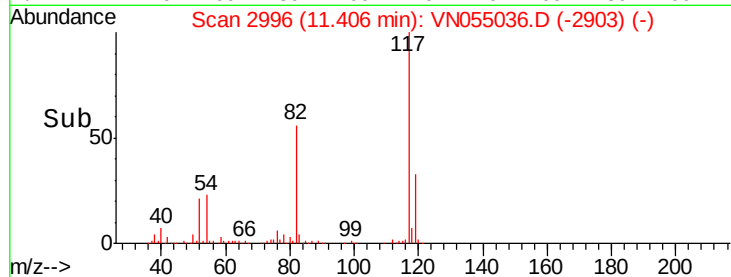
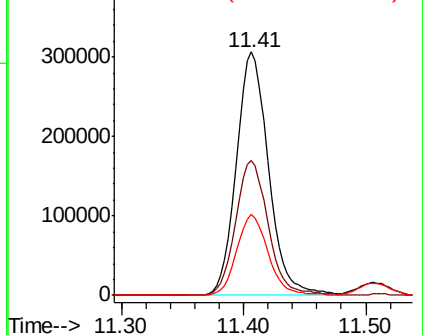
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:117 Resp: 559142
Ion Ratio Lower Upper
117 100
82 55.6 44.6 66.8
119 33.1 25.5 38.3

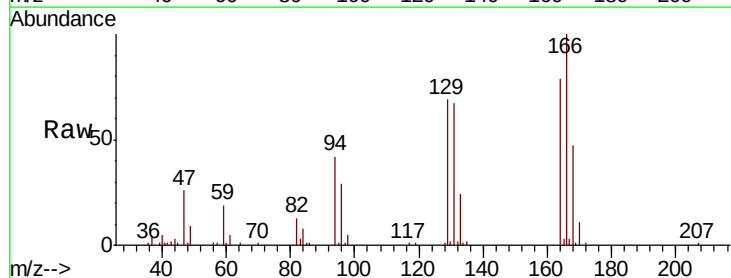


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

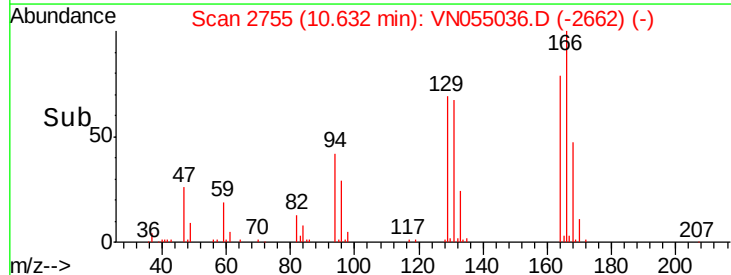
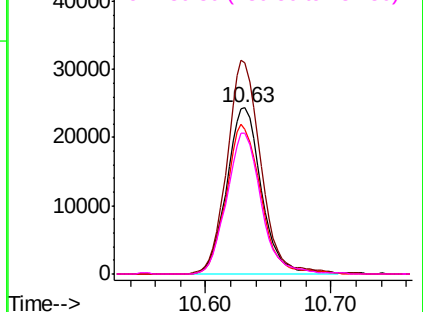


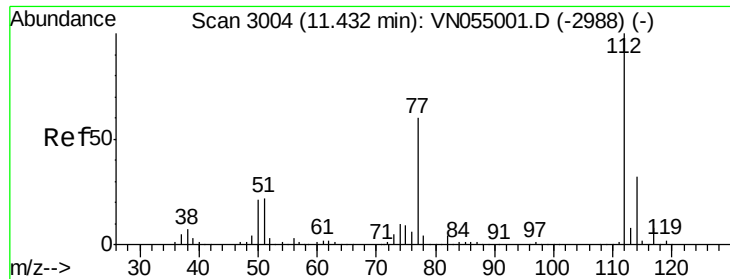
#64
Tetrachloroethene
Concen: 10.703 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

Tgt Ion:164 Resp: 46814
Ion Ratio Lower Upper
164 100
166 126.7 100.0 150.0
129 87.4 72.0 108.0
131 84.7 69.7 104.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

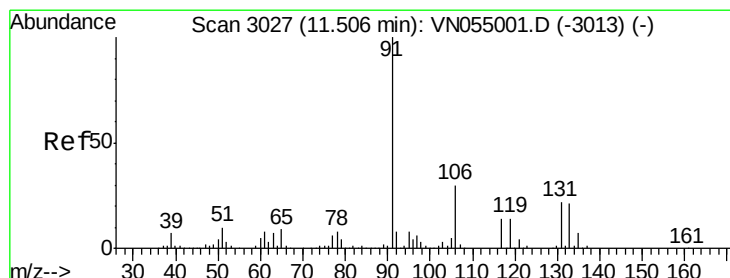
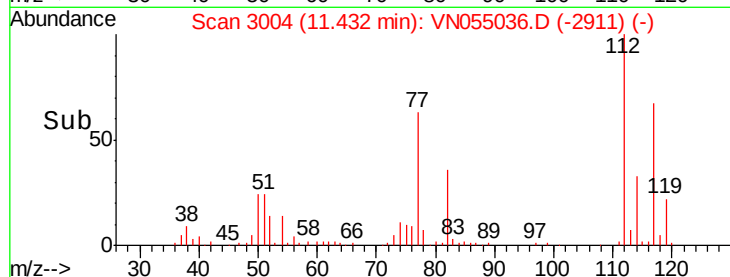
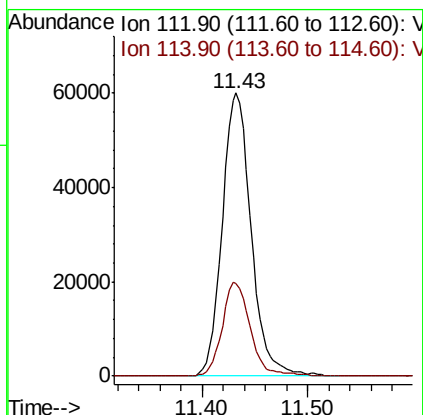
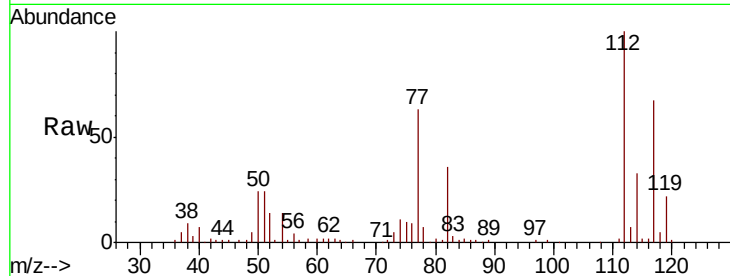




#65
Chlorobenzene
Concen: 10.542 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

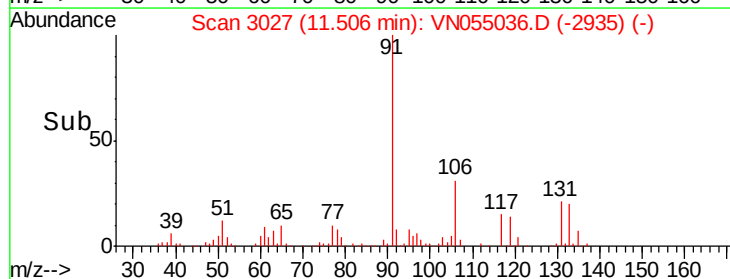
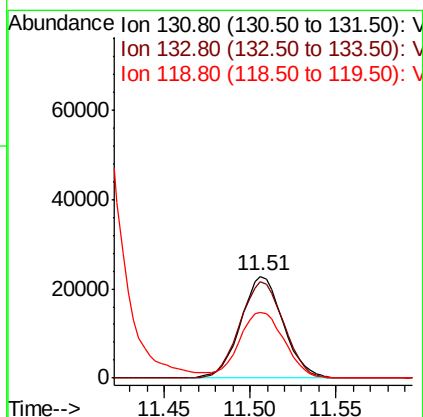
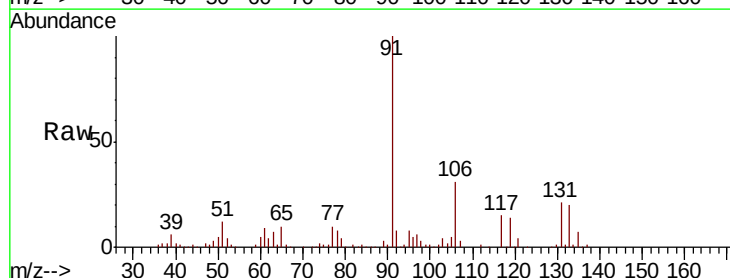
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

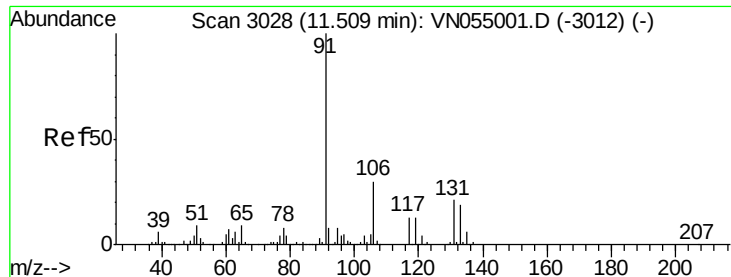
Tgt Ion:112 Resp: 113655
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 9.852 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

Tgt Ion:131 Resp: 39142
Ion Ratio Lower Upper
131 100
133 98.1 47.8 143.3
119 69.0 33.6 100.6





#67

Ethyl Benzene

Concen: 10.140 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

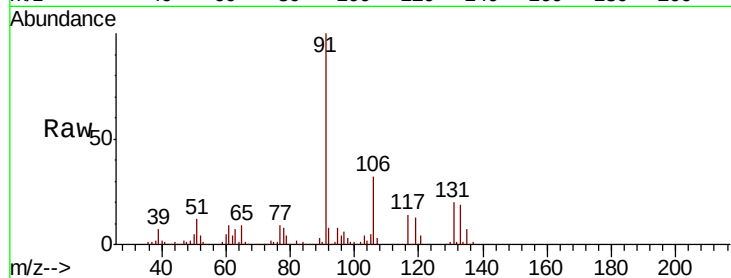
VSTDIC010

Tgt Ion: 91 Resp: 200807

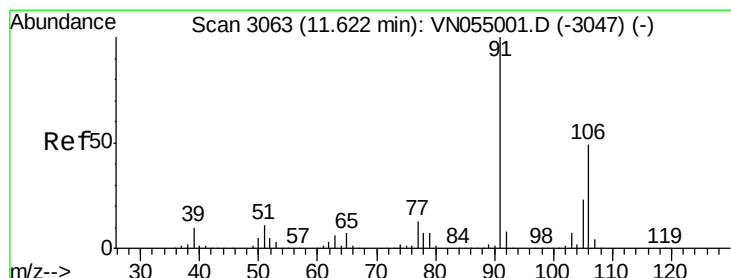
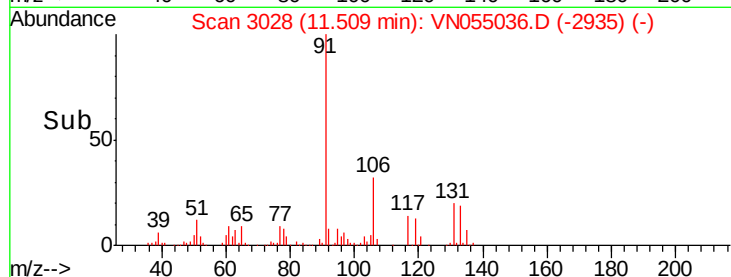
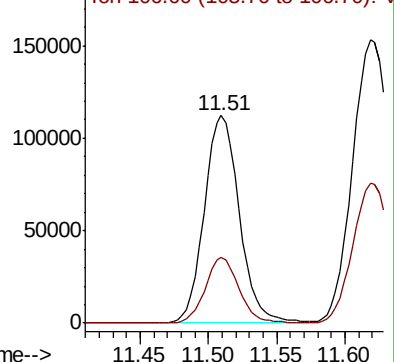
Ion Ratio Lower Upper

91 100

106 31.8 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3012) (-)



#68

m/p-Xylenes

Concen: 20.685 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055036.D

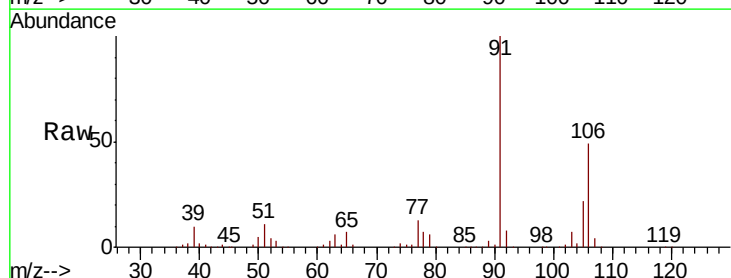
Acq: 15 Apr 2019 10:16

Tgt Ion: 106 Resp: 149870

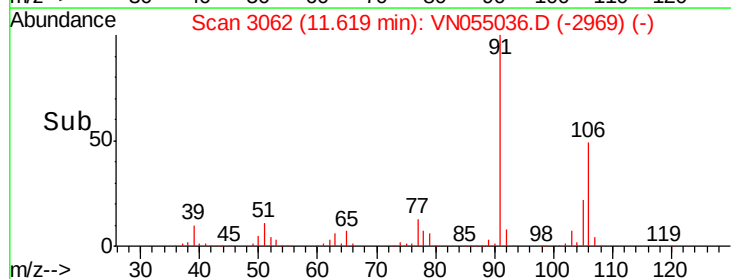
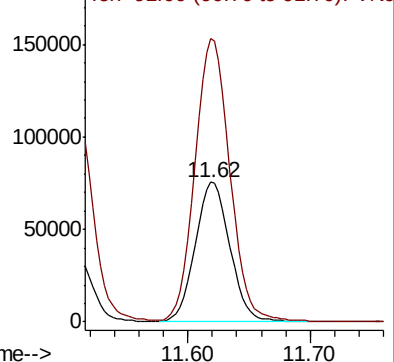
Ion Ratio Lower Upper

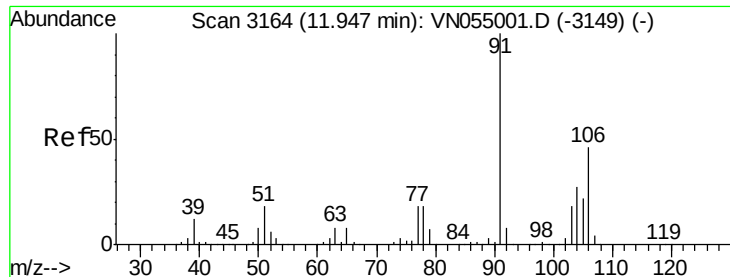
106 100

91 204.7 165.9 248.9



Abundance Ion 106.00 (105.70 to 106.70): VN055001.D (-3047) (-)

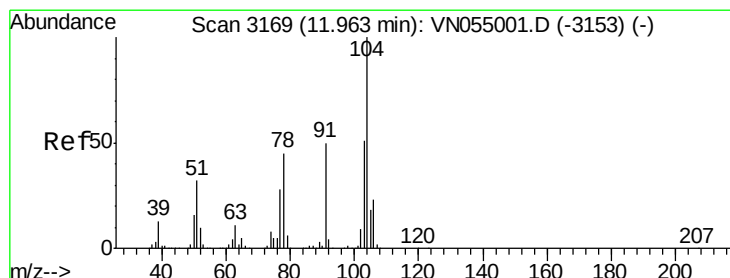
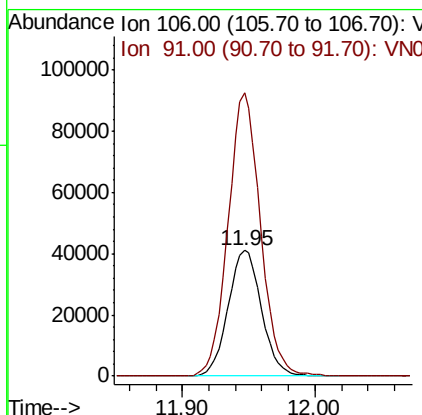
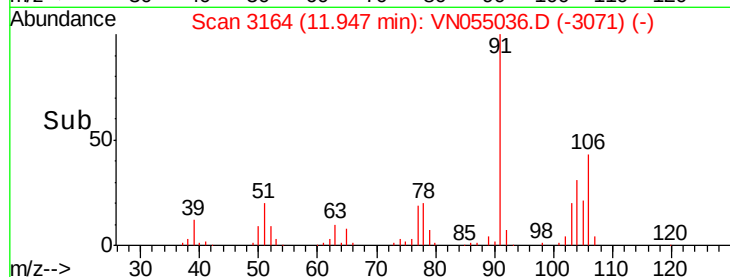
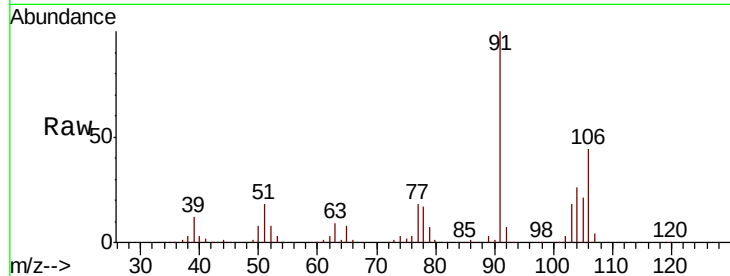




#69
o-Xylene
Concen: 10.013 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

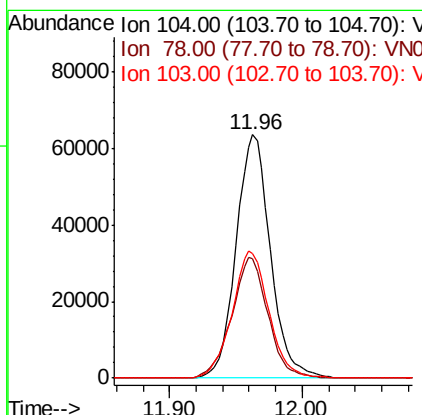
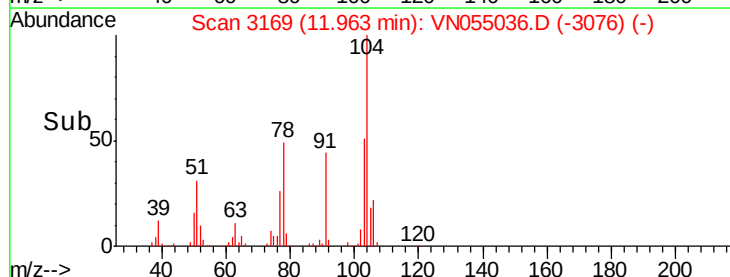
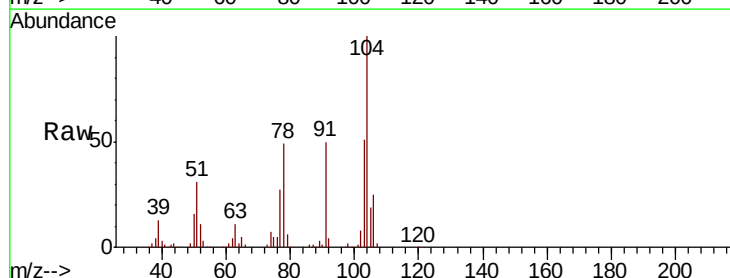
Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

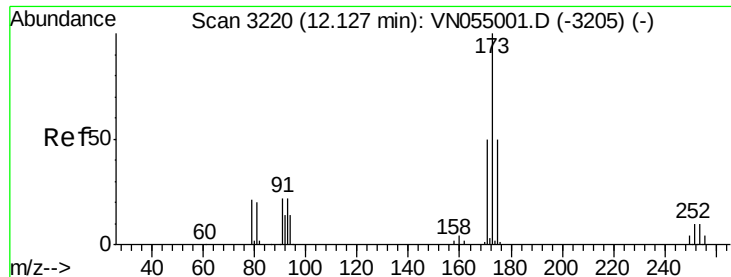
Tgt Ion:106 Resp: 71782
Ion Ratio Lower Upper
106 100
91 218.7 109.9 329.8



#70
Styrene
Concen: 10.064 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055036.D
Acq: 15 Apr 2019 10:16

Tgt Ion:104 Resp: 114394
Ion Ratio Lower Upper
104 100
78 52.3 40.3 60.5
103 55.8 44.3 66.5





#71

Bromoform

Concen: 9.482 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

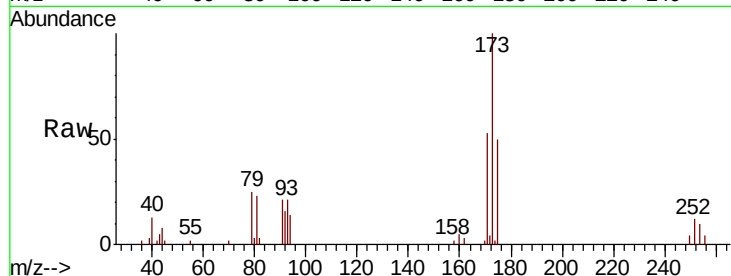
Tgt Ion:173 Resp: 22758

Ion Ratio Lower Upper

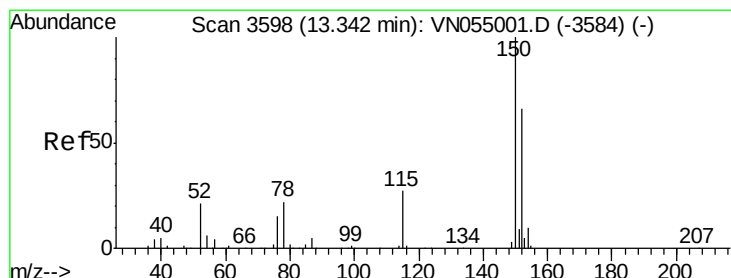
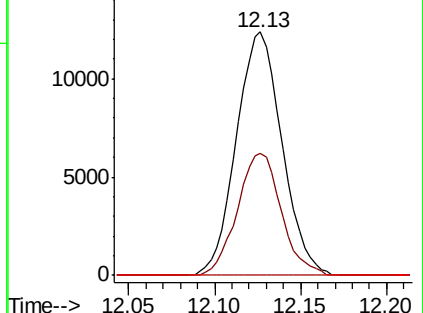
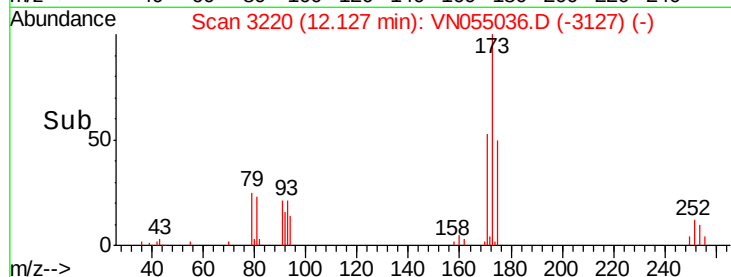
173 100

175 48.2 24.3 73.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

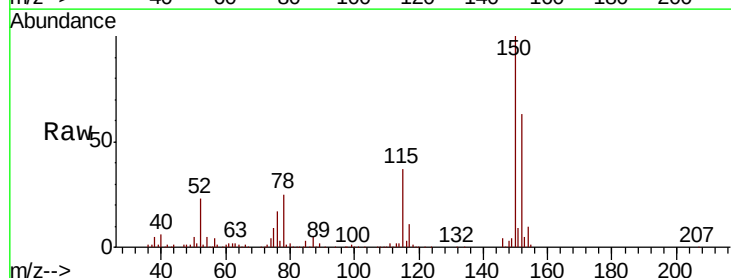
Tgt Ion:152 Resp: 210312

Ion Ratio Lower Upper

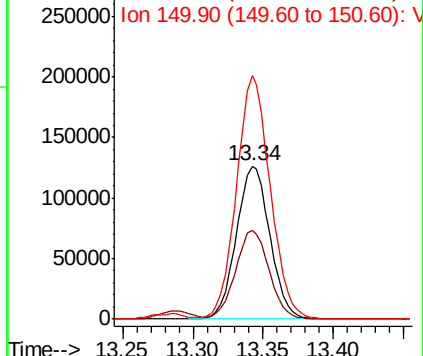
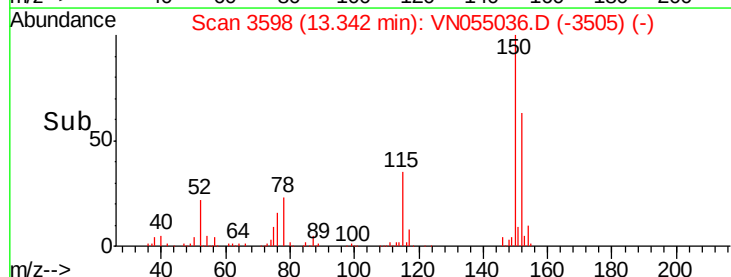
152 100

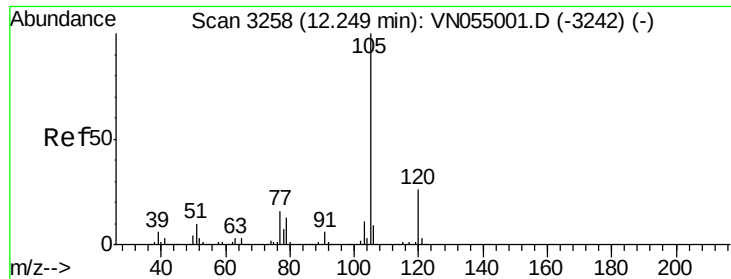
115 58.1 28.5 85.6

150 160.3 0.0 347.2



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





#73

Isopropylbenzene

Concen: 10.512 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

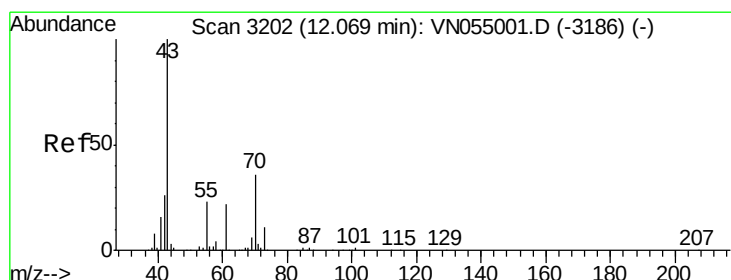
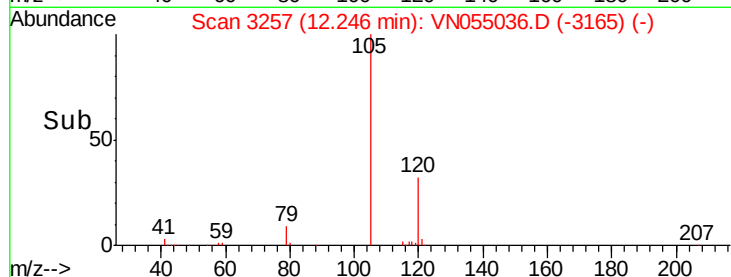
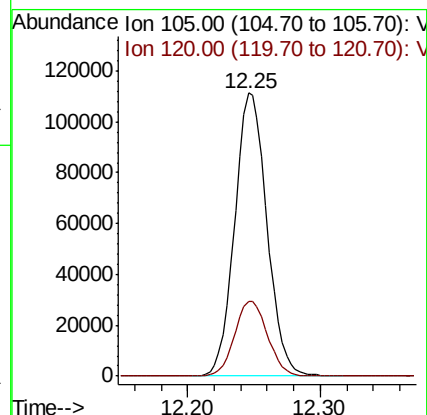
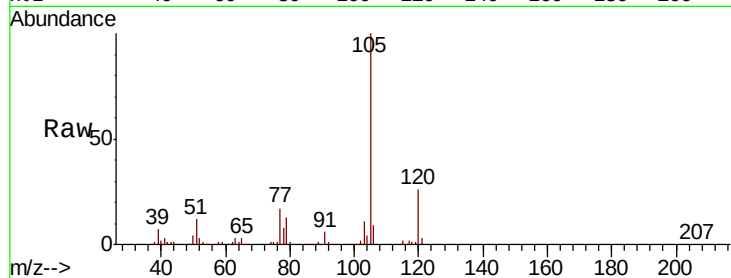
VSTDIC010

Tgt Ion:105 Resp: 187974

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9



#74

N-ethyl acetate

Concen: 10.158 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Tgt Ion: 43 Resp: 54748

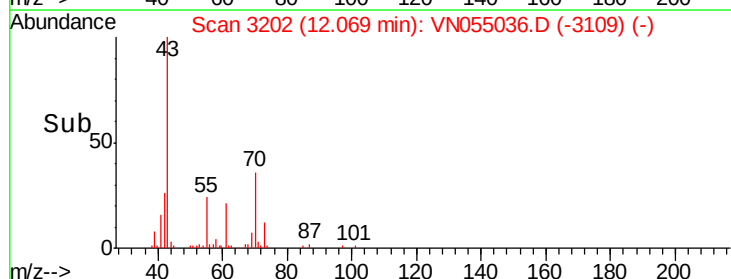
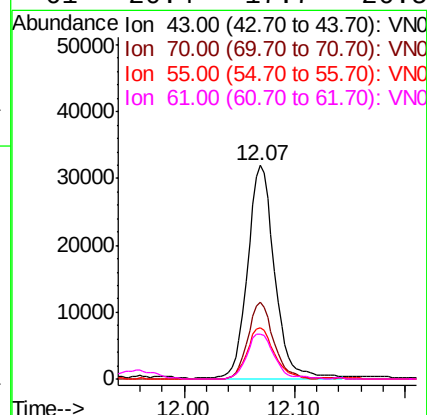
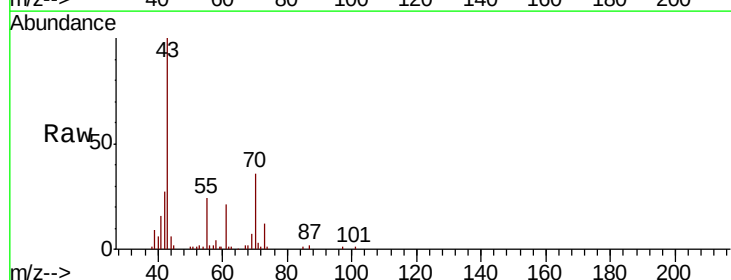
Ion Ratio Lower Upper

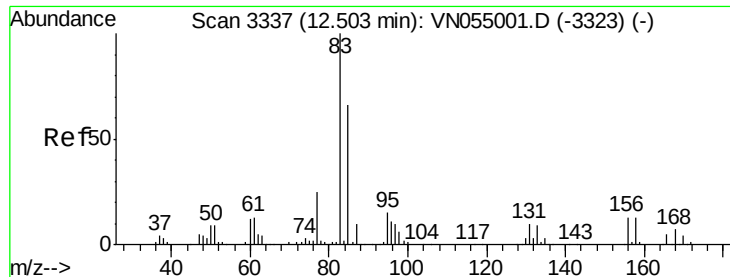
43 100

70 33.6 29.4 44.0

55 23.9 19.0 28.4

61 20.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 11.104 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

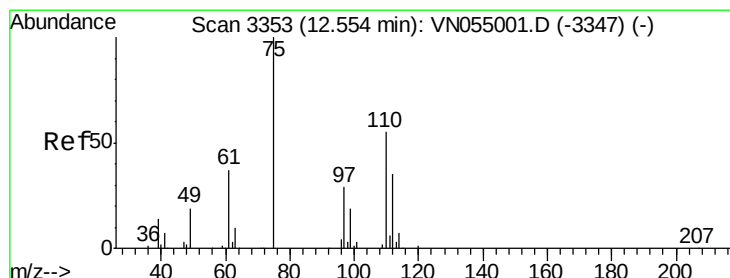
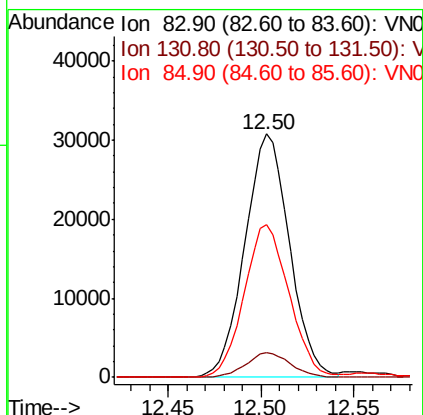
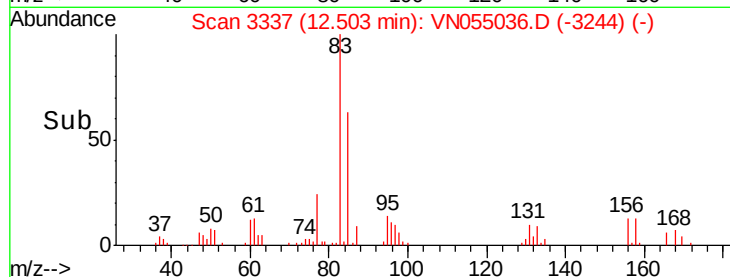
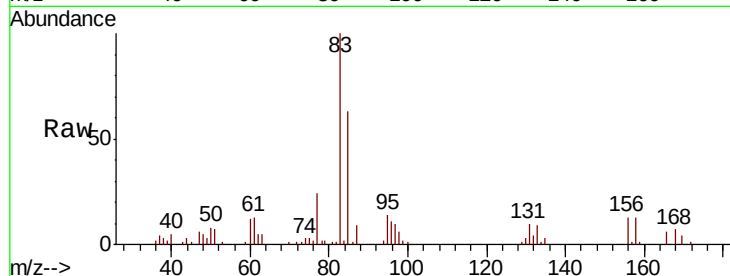
Tgt Ion: 83 Resp: 51408

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

85 63.0 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 14.681 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055036.D

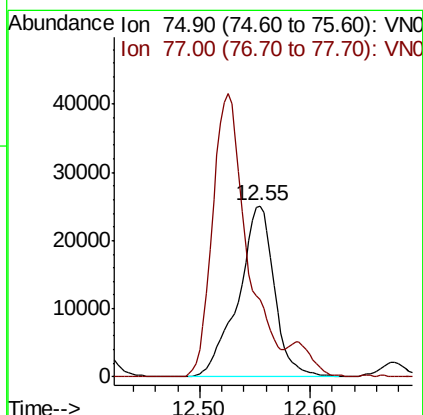
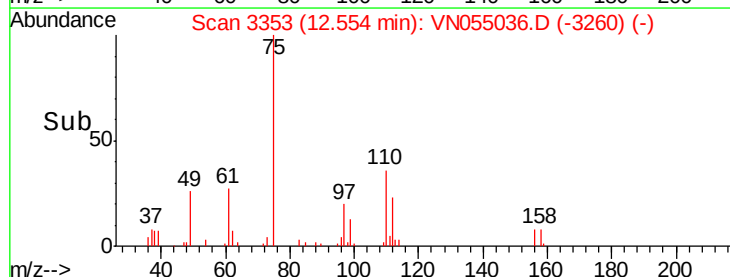
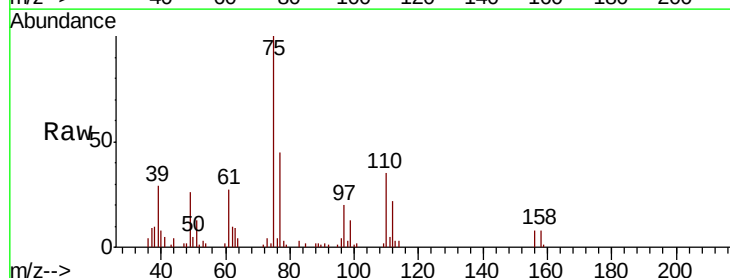
Acq: 15 Apr 2019 10:16

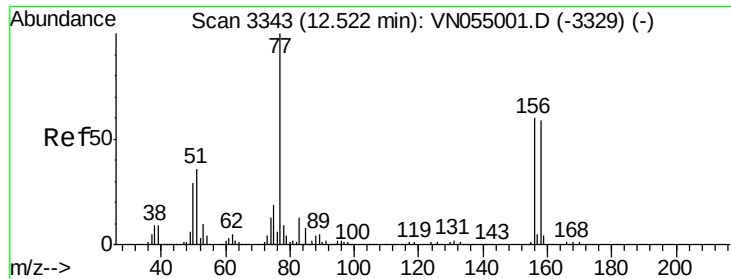
Tgt Ion: 75 Resp: 56802

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 10.424 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

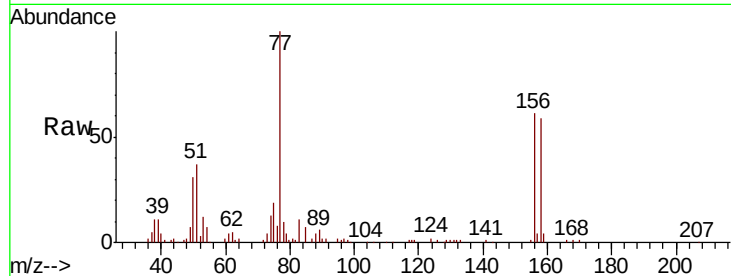
Tgt Ion:156 Resp: 45789

Ion Ratio Lower Upper

156 100

77 195.1 97.2 291.5

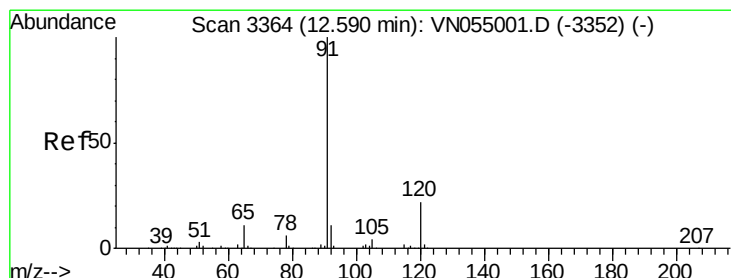
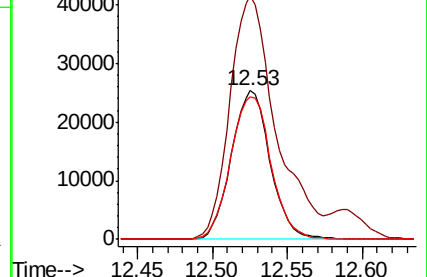
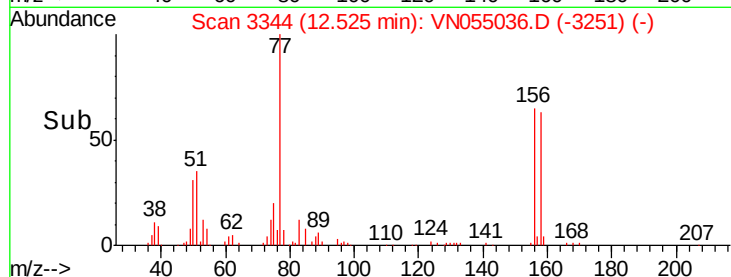
158 100.2 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.423 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055036.D

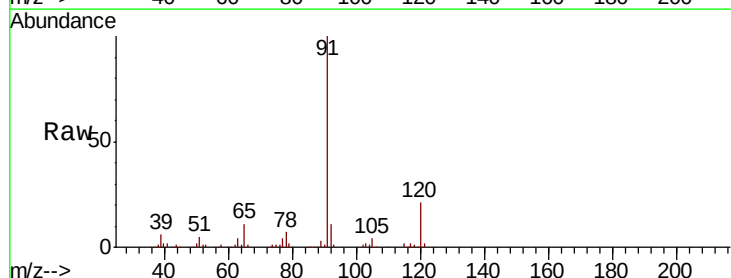
Acq: 15 Apr 2019 10:16

Tgt Ion: 91 Resp: 203065

Ion Ratio Lower Upper

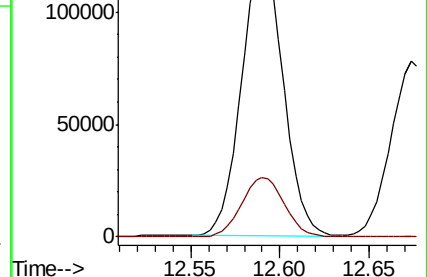
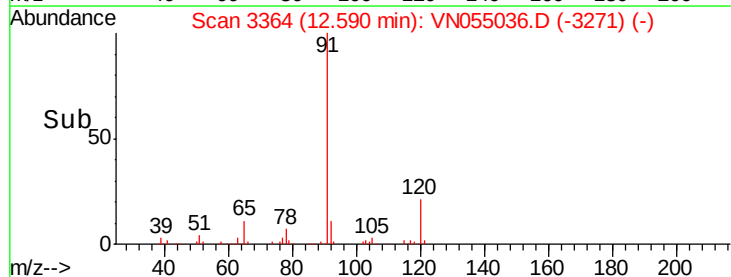
91 100

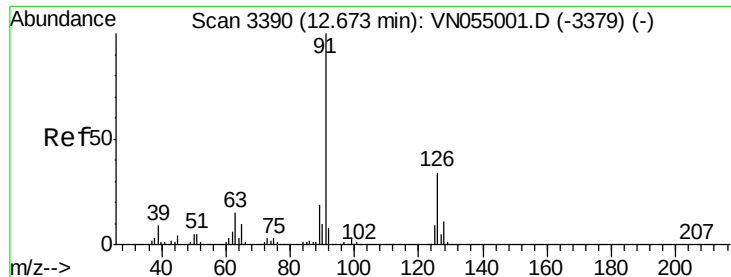
120 21.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.628 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

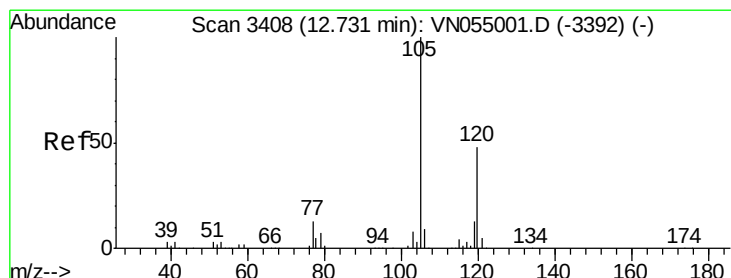
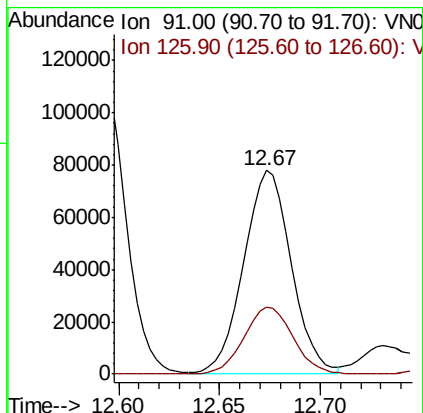
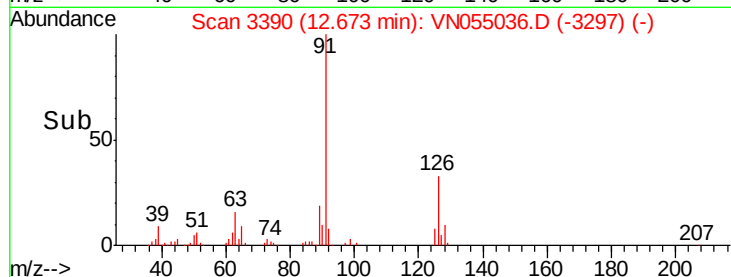
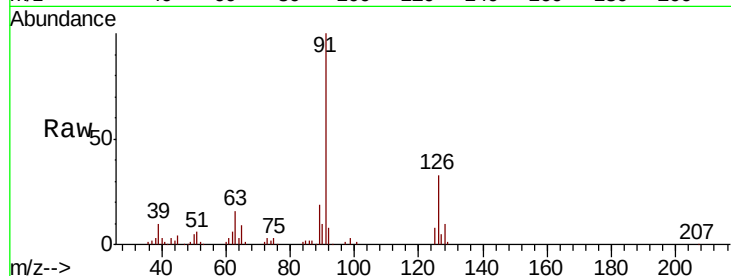
VSTDIC010

Tgt Ion: 91 Resp: 127909

Ion Ratio Lower Upper

91 100

126 34.2 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 10.520 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055036.D

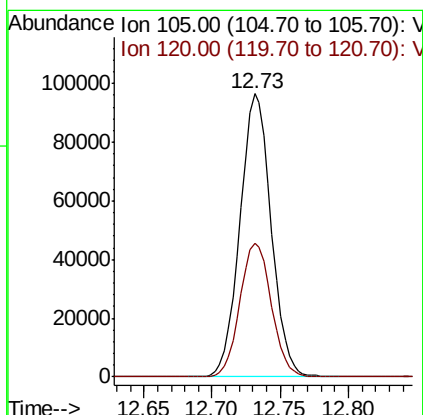
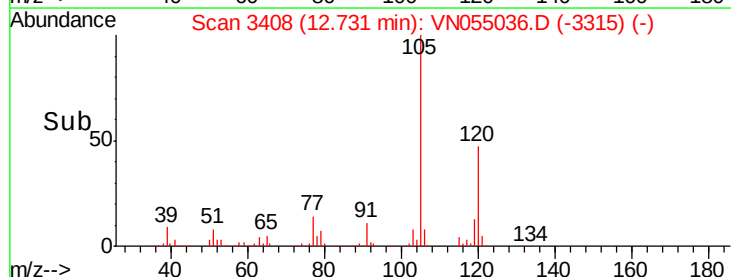
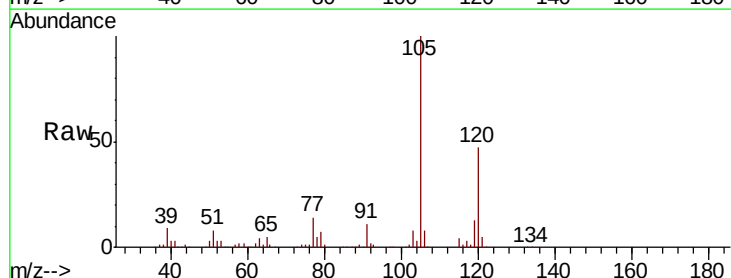
Acq: 15 Apr 2019 10:16

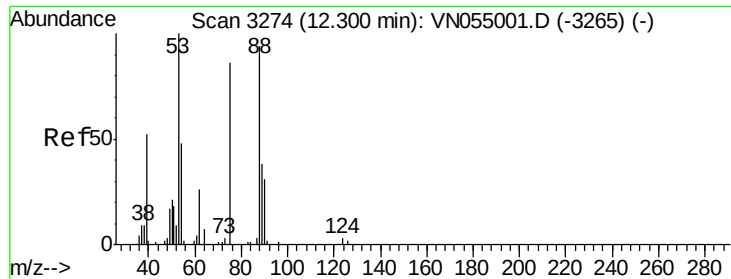
Tgt Ion: 105 Resp: 153137

Ion Ratio Lower Upper

105 100

120 47.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 10.320 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

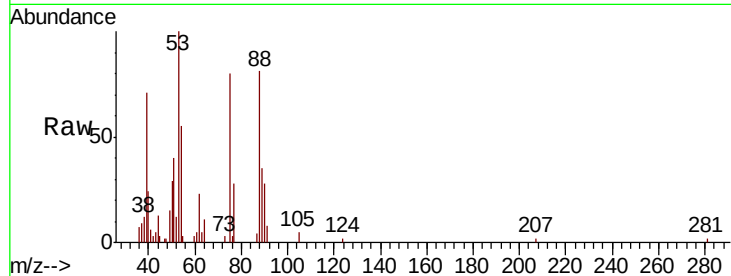
Tgt Ion: 75 Resp: 9674

Ion Ratio Lower Upper

75 100

53 129.2 96.3 144.5

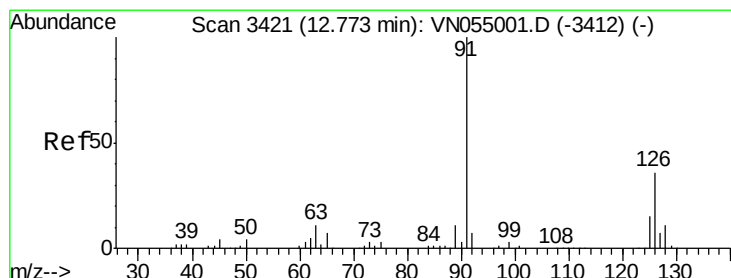
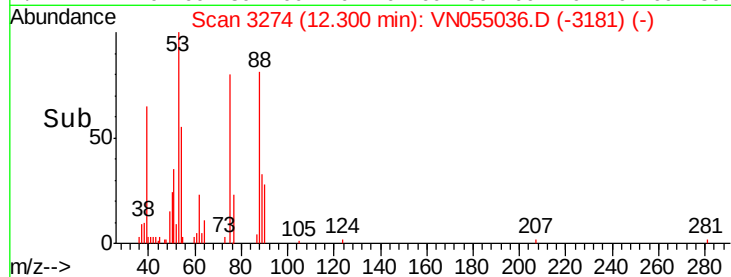
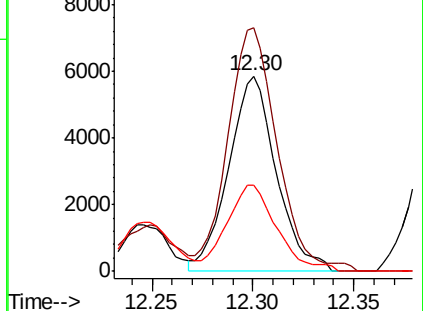
89 46.6 38.6 57.8



Abundance Ion 74.90 (74.60 to 75.60): VN055036.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055036.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055036.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 10.295 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055036.D

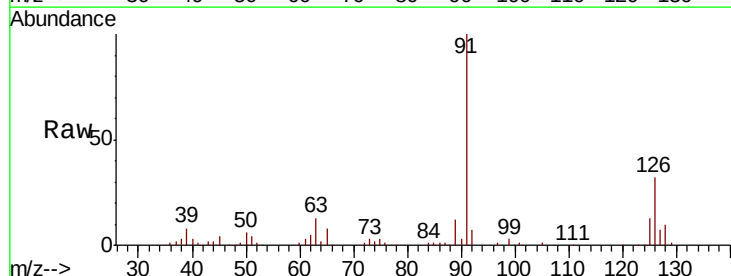
Acq: 15 Apr 2019 10:16

Tgt Ion: 91 Resp: 119822

Ion Ratio Lower Upper

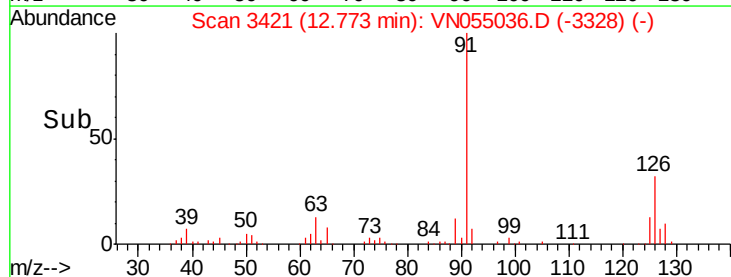
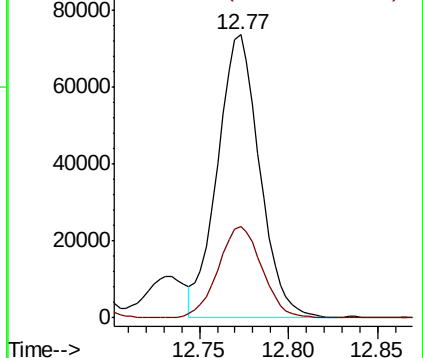
91 100

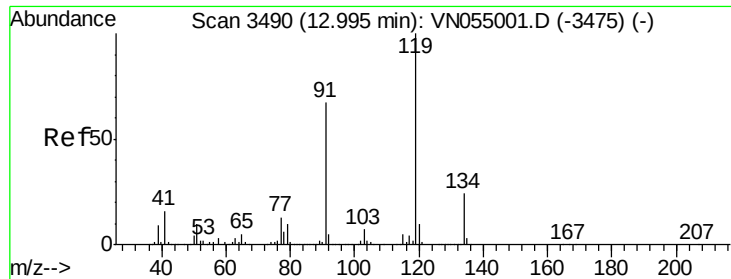
126 33.7 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN055036.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN055036.D (-3328) (-)

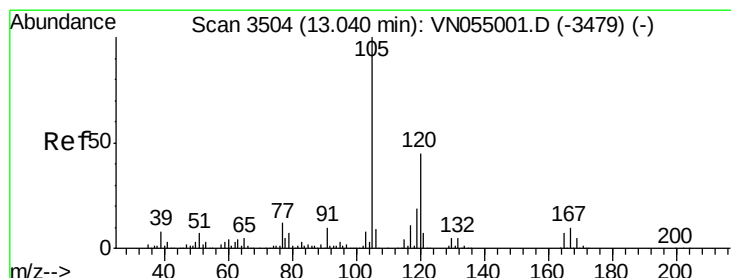
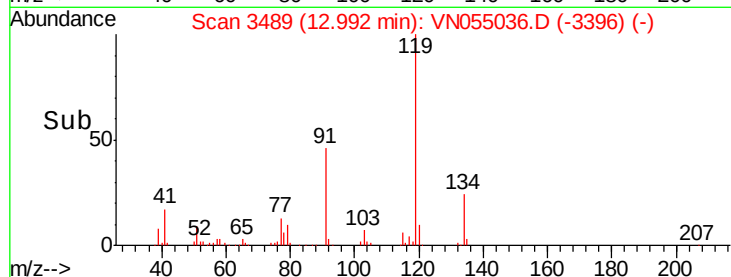
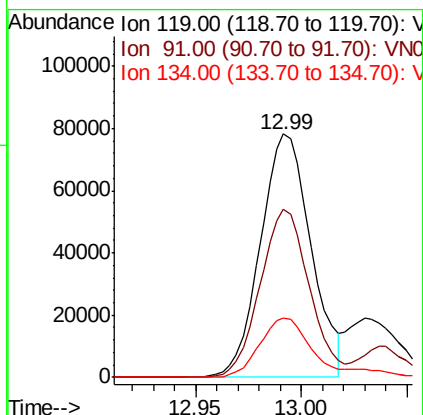
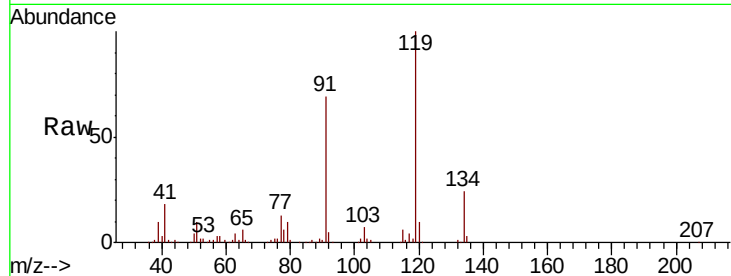




#83
 tert-Butylbenzene
 Concen: 10.463 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

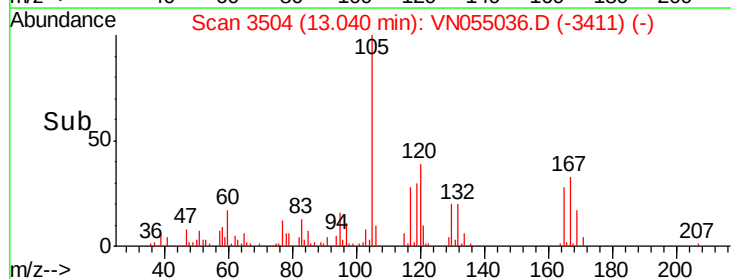
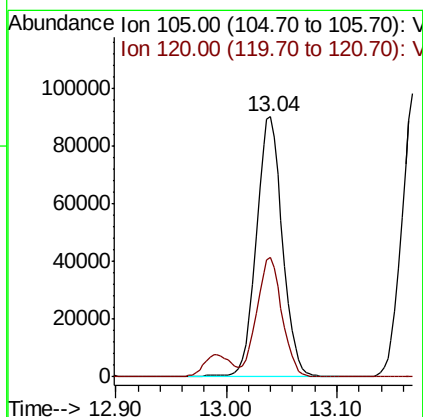
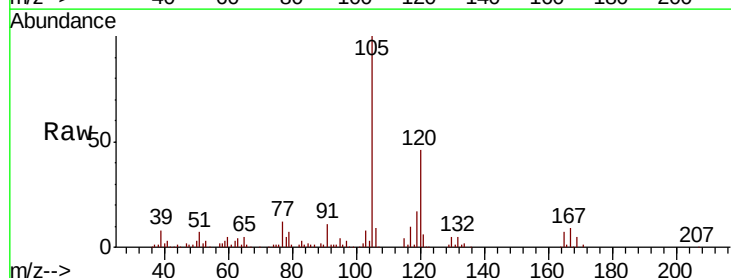
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

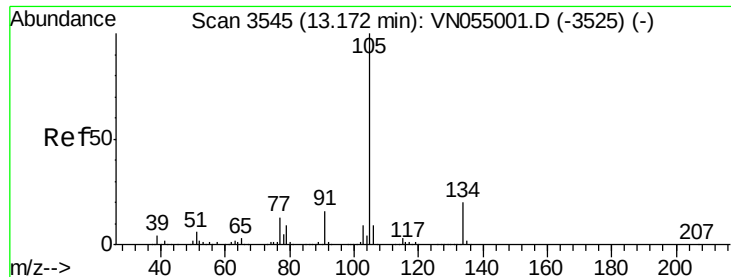
Tgt Ion:119 Resp: 130479
 Ion Ratio Lower Upper
 119 100
 91 67.1 33.3 99.8
 134 24.1 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 10.586 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Tgt Ion:105 Resp: 147761
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.4 67.3

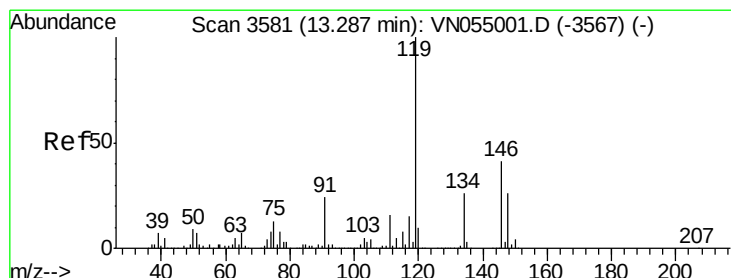
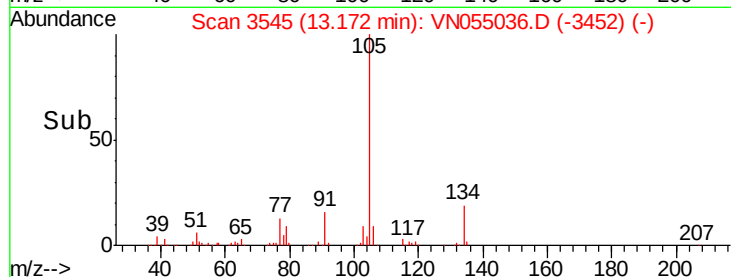
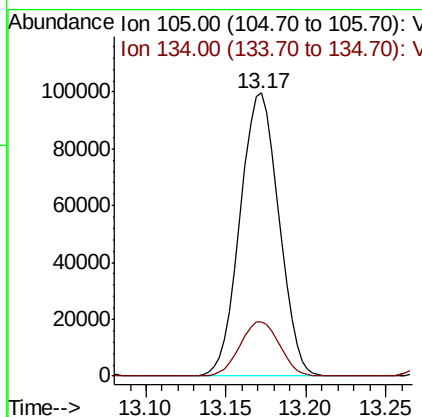
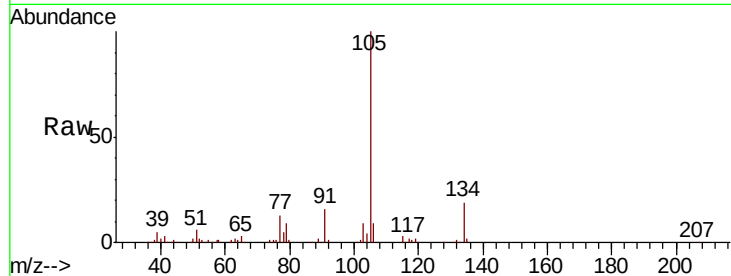




#85
 sec-Butylbenzene
 Concen: 10.378 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

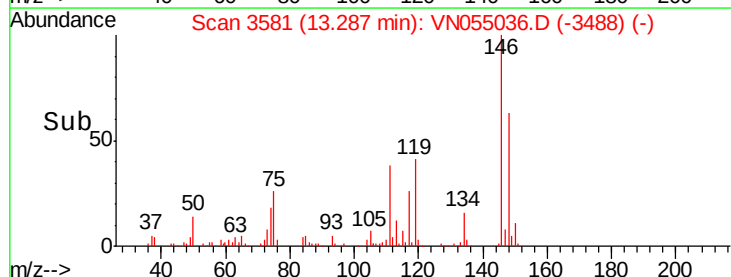
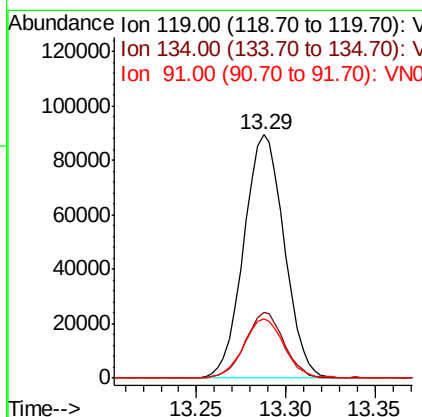
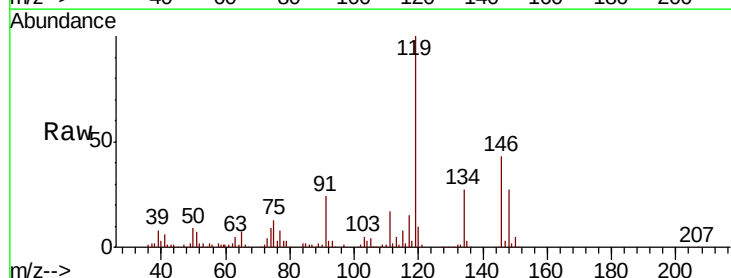
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

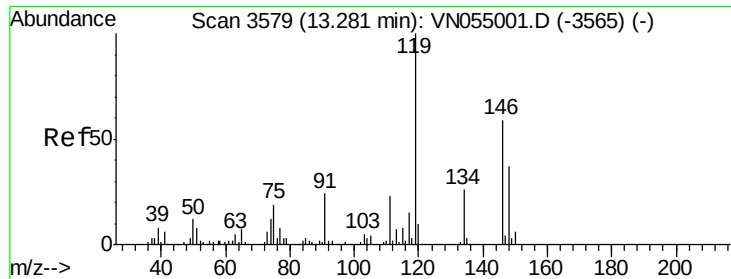
Tgt Ion:105 Resp: 165239
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 10.253 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Tgt Ion:119 Resp: 142005
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.2 39.5
 91 24.4 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 10.209 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

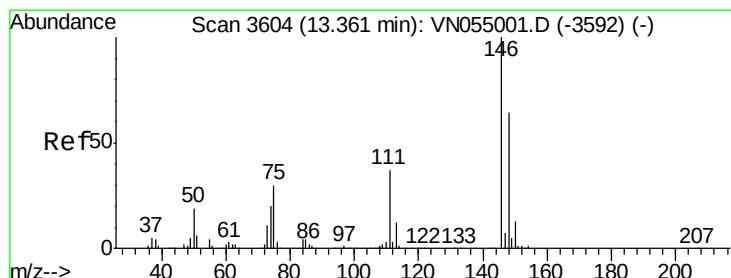
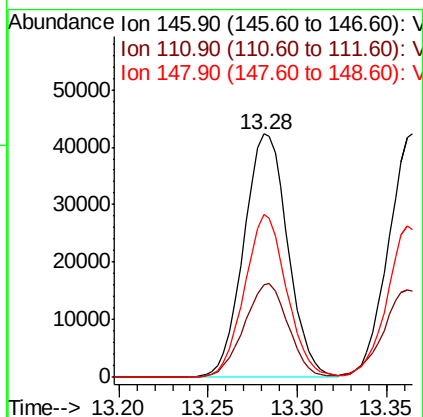
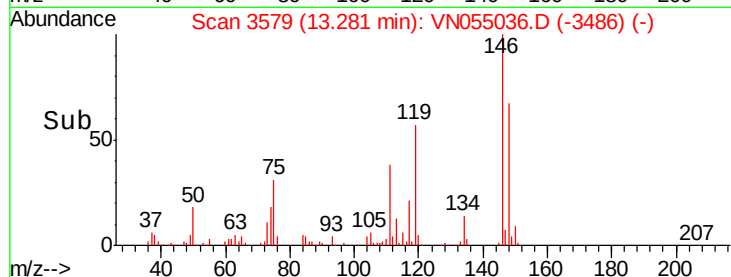
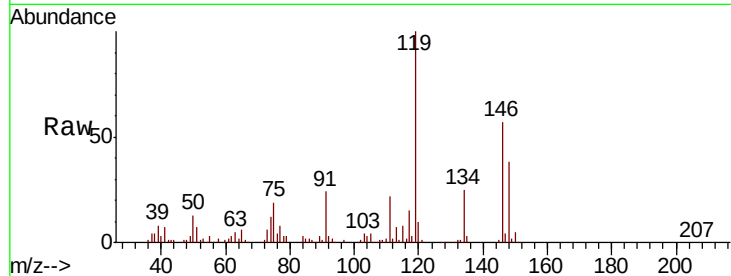
Tgt Ion:146 Resp: 72929

Ion Ratio Lower Upper

146 100

111 38.6 19.5 58.5

148 64.2 31.6 94.7



#88

1,4-Dichlorobenzene

Concen: 10.346 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

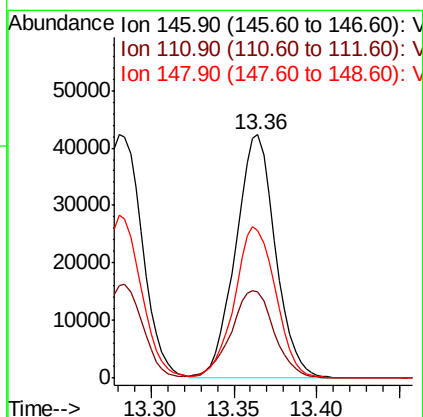
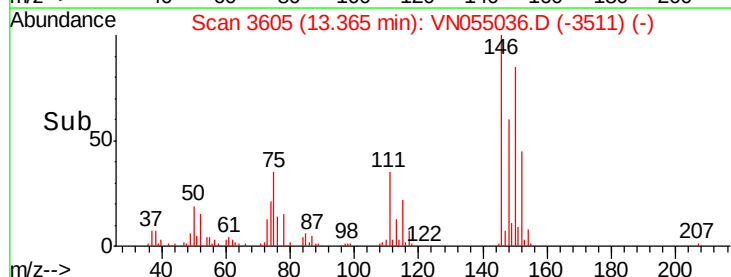
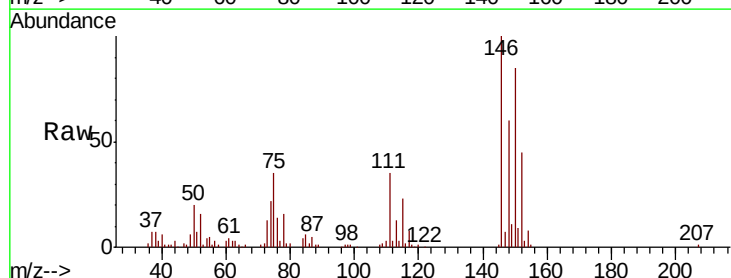
Tgt Ion:146 Resp: 70689

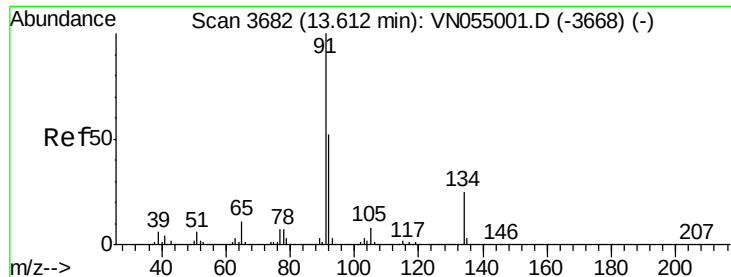
Ion Ratio Lower Upper

146 100

111 39.3 18.8 56.4

148 64.0 32.4 97.2





#89

n-Butylbenzene

Concen: 9.057 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

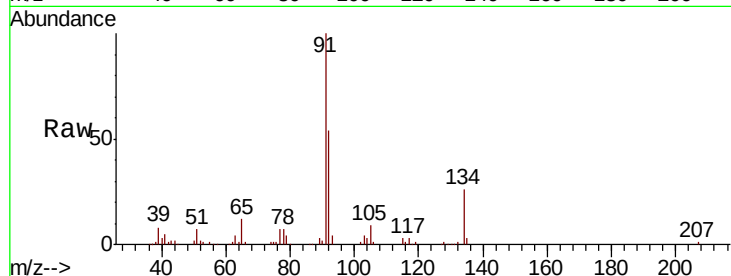
Tgt Ion: 91 Resp: 98511

Ion Ratio Lower Upper

91 100

92 53.0 25.9 77.7

134 25.6 12.8 38.3

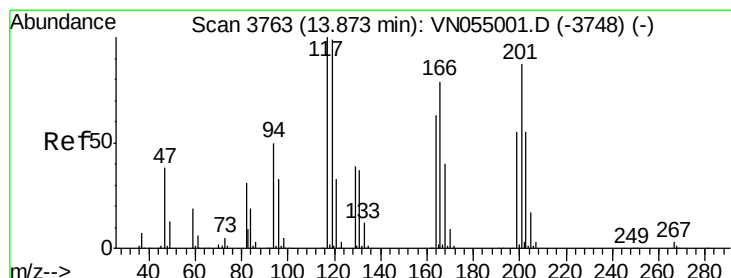
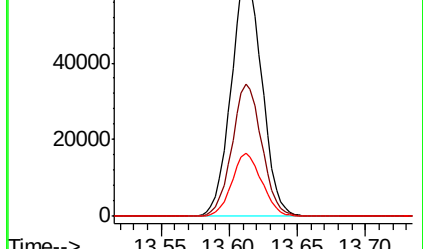
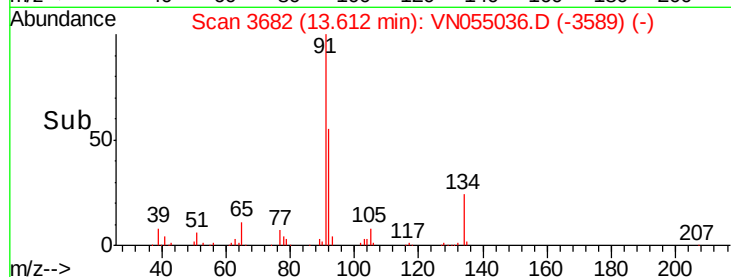


Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055001.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055001.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 9.339 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055036.D

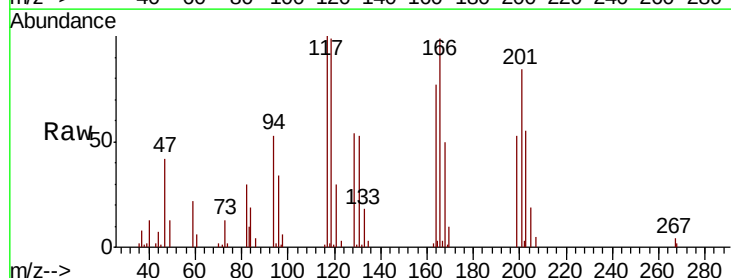
Acq: 15 Apr 2019 10:16

Tgt Ion: 117 Resp: 21372

Ion Ratio Lower Upper

117 100

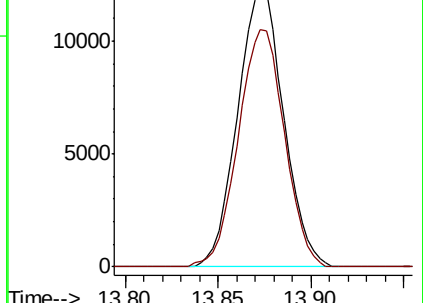
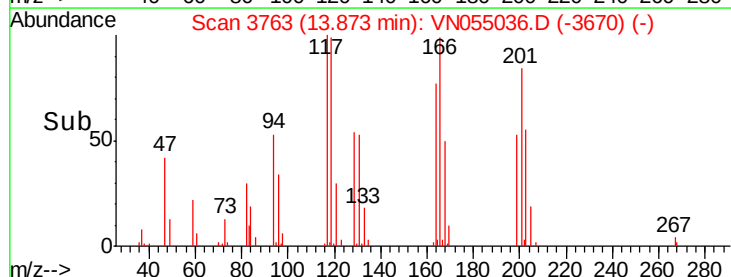
201 85.2 43.4 130.2

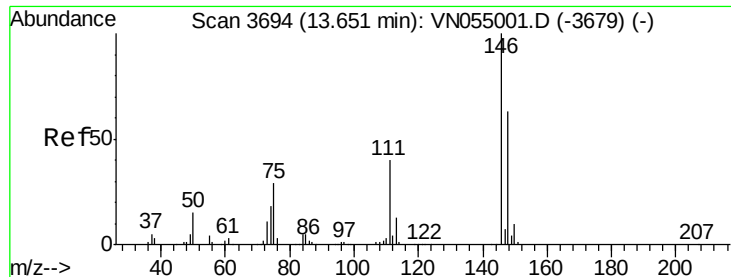


Abundance Ion 116.80 (116.50 to 117.50): VN055001.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055001.D (-3748) (-)

Time-->

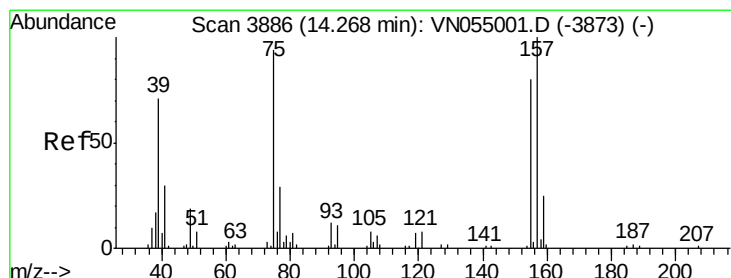
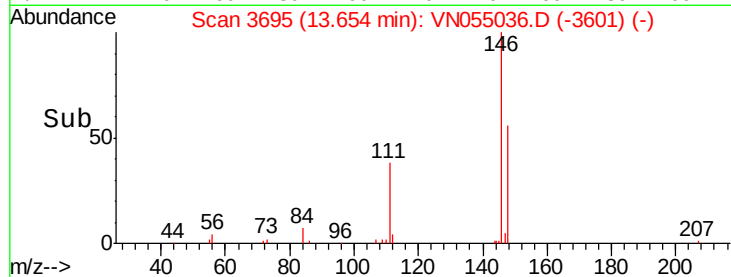
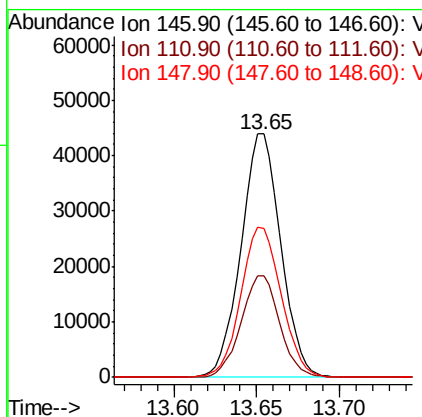
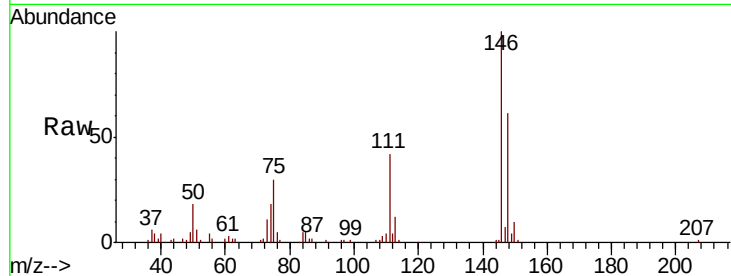




#91
 1,2-Dichlorobenzene
 Concen: 10.561 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

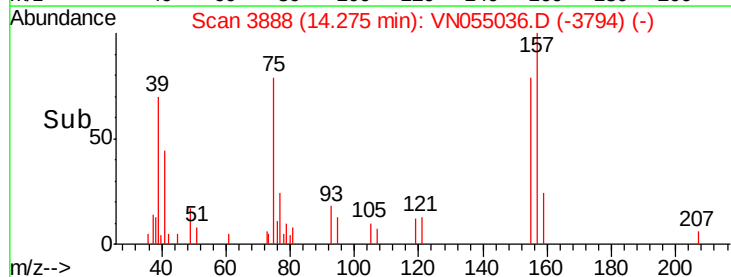
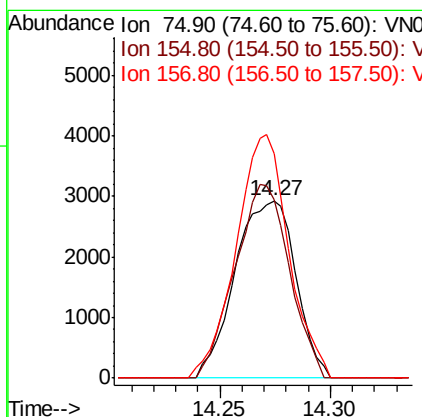
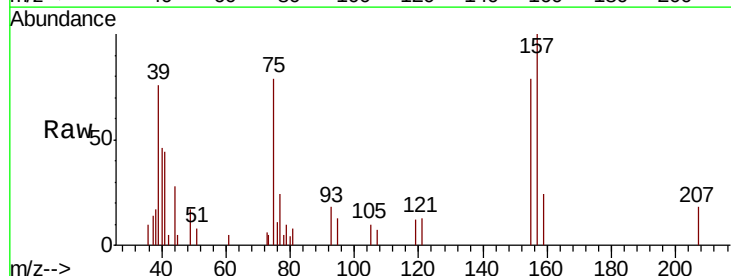
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

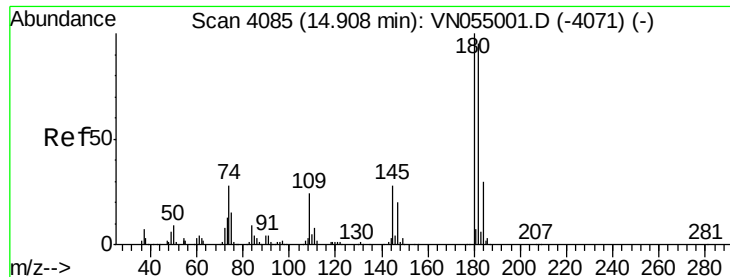
Tgt Ion:146 Resp: 73236
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 60.9
 148 62.9 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.288 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Tgt Ion: 75 Resp: 5591
 Ion Ratio Lower Upper
 75 100
 155 98.2 42.0 126.0
 157 119.4 52.1 156.4

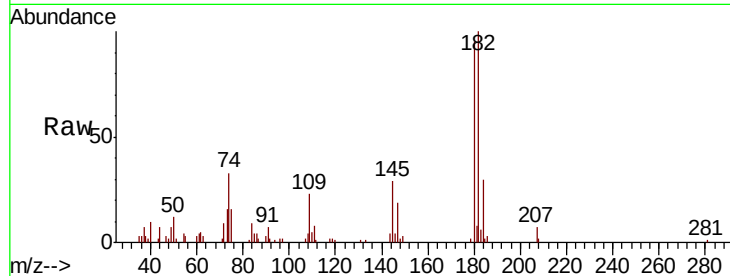




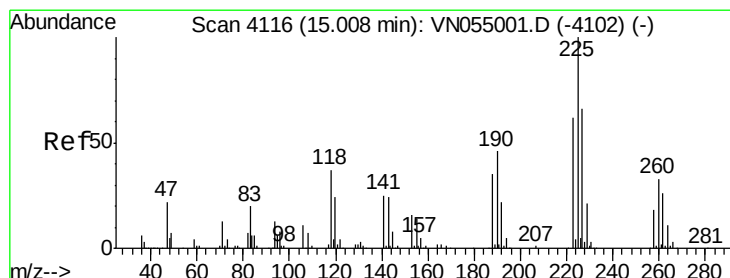
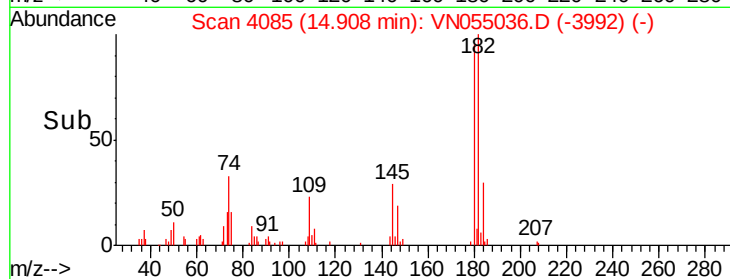
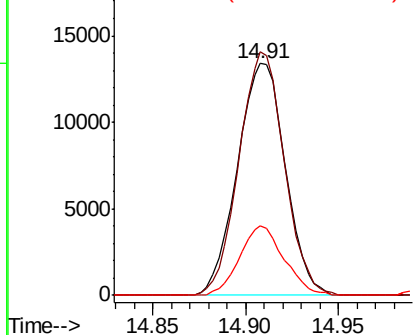
#93
 1,2,4-Trichlorobenzene
 Concen: 8.217 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 23996
 Ion Ratio Lower Upper
 180 100
 182 99.3 47.5 142.6
 145 27.7 14.2 42.8

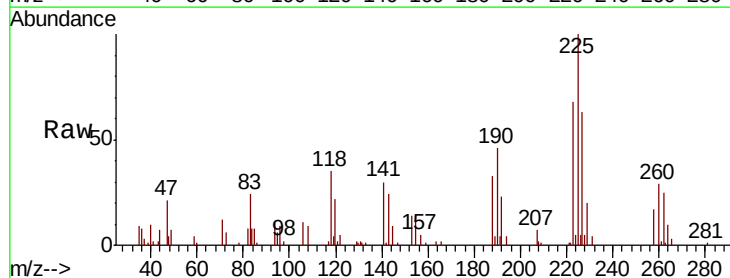


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

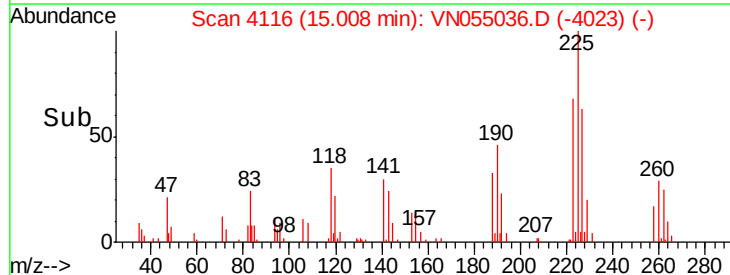
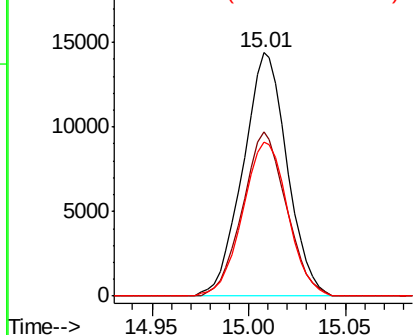


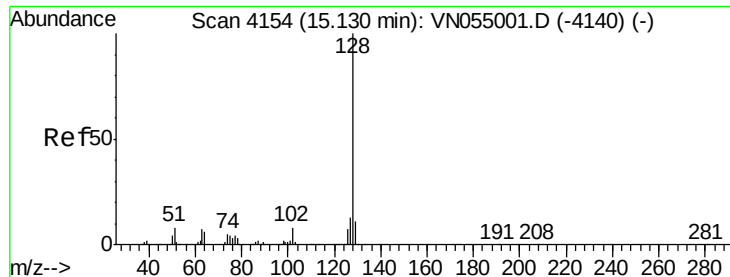
#94
 Hexachlorobutadiene
 Concen: 9.476 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055036.D
 Acq: 15 Apr 2019 10:16

Tgt Ion:225 Resp: 22902
 Ion Ratio Lower Upper
 225 100
 223 67.1 31.4 94.0
 227 64.7 32.6 97.7



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





#95

Naphthalene

Concen: 8.139 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

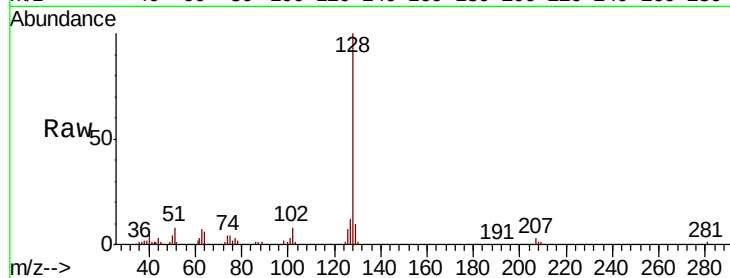
Tgt Ion:128 Resp: 55628

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

129 10.6 8.8 13.2

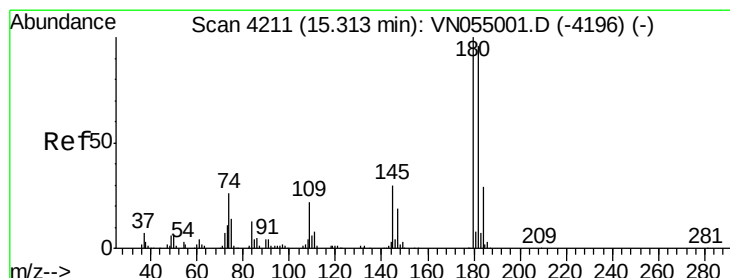
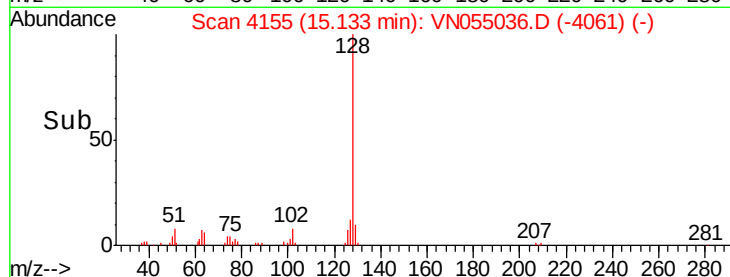
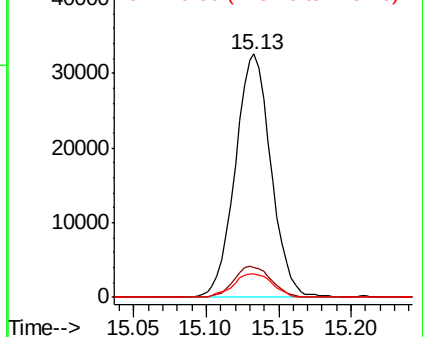


Abundance

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



#96

1,2,3-Trichlorobenzene

Concen: 8.572 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055036.D

Acq: 15 Apr 2019 10:16

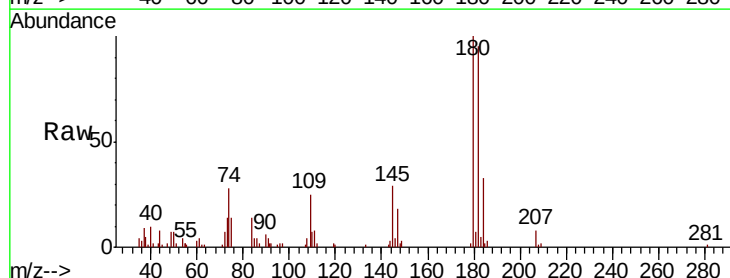
Tgt Ion:180 Resp: 26814

Ion Ratio Lower Upper

180 100

182 93.1 48.0 144.0

145 30.7 15.3 45.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

