

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041819\
 Data File : VN055117.D
 Acq On : 18 Apr 2019 11:13
 Operator : JC/SP
 Sample : VN0418WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 01:27:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	382203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	624225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	542526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	219812	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	261747	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
35) Dibromofluoromethane	7.59	113	210093	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	10.09	98	751910	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.40	95	253197	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	82566	19.009	ug/l	100
3) Chloromethane	2.06	50	107850	19.037	ug/l	99
4) Vinyl Chloride	2.19	62	85849	18.029	ug/l	100
5) Bromomethane	2.56	94	48324	17.939	ug/l	98
6) Chloroethane	2.70	64	47565	18.523	ug/l	98
7) Trichlorofluoromethane	3.02	101	115530	19.400	ug/l	100
8) Diethyl Ether	3.41	74	37550	19.753	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	59694	19.154	ug/l	98
10) Methyl Iodide	3.94	142	85719	17.724	ug/l	99
11) Tert butyl alcohol	4.82	59	31948	114.724	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	55398	18.262	ug/l	96
13) Acrolein	3.60	56	23886	69.393	ug/l	100
14) Allyl chloride	4.31	41	149475	20.130	ug/l	100
15) Acrylonitrile	4.99	53	175488	105.327	ug/l	99
16) Acetone	3.82	43	138064	100.125	ug/l	100
17) Carbon Disulfide	4.04	76	168146	17.171	ug/l	99
18) Methyl Acetate	4.33	43	90463	22.522	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	224997	20.734	ug/l	100
20) Methylene Chloride	4.54	84	91172	18.809	ug/l	94
21) trans-1,2-Dichloroethene	5.03	96	76798	18.718	ug/l	92
22) Diisopropyl ether	5.96	45	312283	20.458	ug/l	97
23) Vinyl Acetate	5.90	43	1074431	106.488	ug/l	99
24) 1,1-Dichloroethane	5.85	63	162416	19.980	ug/l	98
25) 2-Butanone	6.85	43	225873	109.753	ug/l	97
26) 2,2-Dichloropropane	6.82	77	101381	19.760	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	91249	19.658	ug/l	98
28) Bromochloromethane	7.19	49	78311	19.985	ug/l #	97
29) Tetrahydrofuran	7.22	42	143804	106.554	ug/l	100
30) Chloroform	7.37	83	155065	19.639	ug/l	96
31) Cyclohexane	7.65	56	143906	19.255	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	124063	19.832	ug/l	99
36) 1,1-Dichloropropene	7.79	75	108022	18.357	ug/l	98
37) Ethyl Acetate	6.94	43	91918	19.187	ug/l	96
38) Carbon Tetrachloride	7.77	117	103845	18.549	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	118372	18.564	ug/l	99
40) Benzene	8.04	78	351166	19.801	ug/l	100
41) Methacrylonitrile	7.18	41	52082	19.585	ug/l	96
42) 1,2-Dichloroethane	8.12	62	123818	20.108	ug/l	99
43) Isopropyl Acetate	8.17	43	157799	21.377	ug/l	99
44) Trichloroethene	8.83	130	88947	20.023	ug/l	92
45) 1,2-Dichloropropane	9.12	63	99275	20.072	ug/l	99
46) Dibromomethane	9.21	93	56470	20.058	ug/l	95
47) Bromodichloromethane	9.40	83	114532	19.732	ug/l	100
48) Methyl methacrylate	9.20	41	77351	21.141	ug/l	99
49) 1,4-Dioxane	9.20	88	18142	529.250	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	464978	109.032	ug/l	98
52) Toluene	10.15	92	203591	20.043	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	101483	20.007	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	127547	20.260	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	81665	20.867	ug/l	97
56) Ethyl methacrylate	10.43	69	98865	21.050	ug/l	99
57) 1,3-Dichloropropane	10.71	76	136751	20.524	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	183367	95.808	ug/l	100
59) 2-Hexanone	10.75	43	296649	110.749	ug/l	97
60) Dibromochloromethane	10.90	129	78832	20.629	ug/l	97
61) 1,2-Dibromoethane	11.01	107	73975	20.537	ug/l	100
64) Tetrachloroethene	10.63	164	84374	19.125	ug/l	98
65) Chlorobenzene	11.43	112	218836	20.039	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	77334	19.254	ug/l	97
67) Ethyl Benzene	11.51	91	381180	19.546	ug/l	100
68) m/p-Xylenes	11.62	106	284273	40.254	ug/l	100
69) o-Xylene	11.95	106	138378	20.231	ug/l	100
70) Styrene	11.96	104	228230	20.614	ug/l	99
71) Bromoform	12.13	173	48904	21.242	ug/l #	98
73) Isopropylbenzene	12.25	105	373273	19.137	ug/l	98
74) N-amyl acetate	12.07	43	116255	21.173	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	101157	19.381	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	115808	29.298	ug/l #	100
77) Bromobenzene	12.53	156	90126	18.534	ug/l	99
78) n-propylbenzene	12.59	91	403909	19.166	ug/l	99
79) 2-Chlorotoluene	12.67	91	252742	19.228	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	306360	19.463	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20369	20.607	ug/l	99
82) 4-Chlorotoluene	12.77	91	239462	19.526	ug/l	100
83) tert-Butylbenzene	12.99	119	260509	19.597	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	297420	19.938	ug/l	99
85) sec-Butylbenzene	13.17	105	333518	19.689	ug/l	99
86) p-Isopropyltoluene	13.29	119	288141	19.827	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	148556	20.099	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	137983	19.577	ug/l	98
89) n-Butylbenzene	13.61	91	216654	20.082	ug/l	99
90) Hexachloroethane	13.87	117	44472	18.807	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	152550	20.513	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13602	21.163	ug/l	95

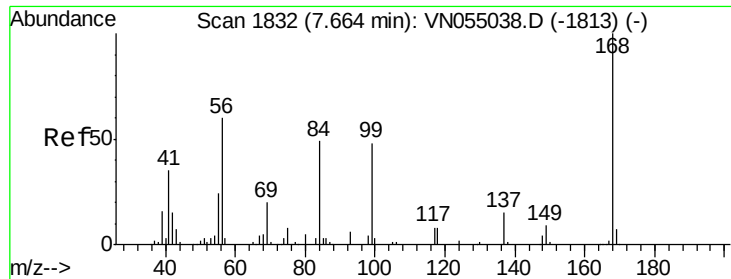
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	57399	18.792	ug/l	99
94) Hexachlorobutadiene	15.01	225	48864	21.273	ug/l	98
95) Naphthalene	15.13	128	121171	17.498	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	61153	21.316	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: VN055117.D

Acq: 18 Apr 2019 11:13

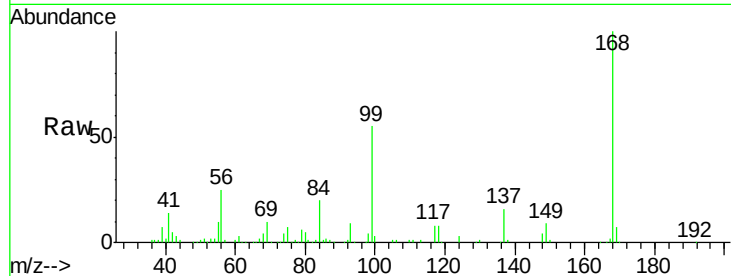
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 382203

Ion Ratio Lower Upper

168 100

99 53.7 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

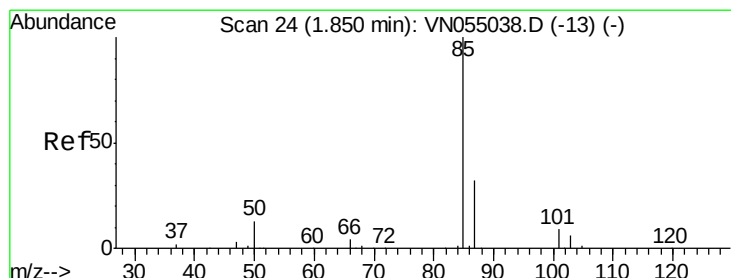
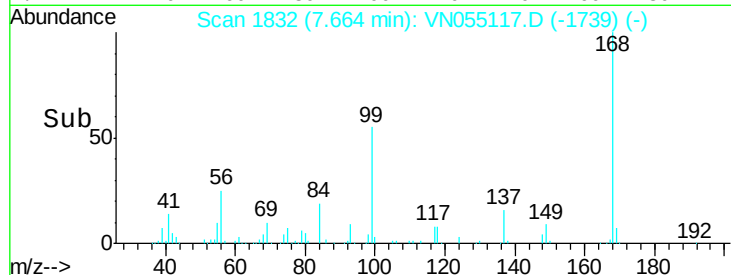
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.009 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055117.D

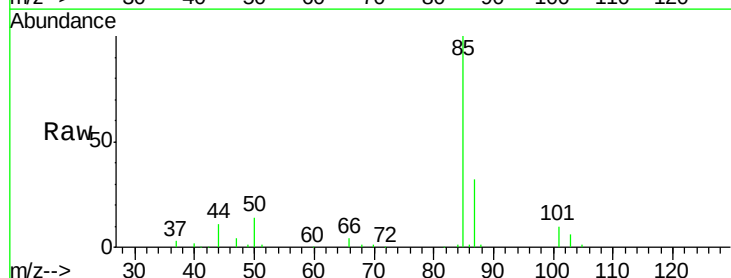
Acq: 18 Apr 2019 11:13

Tgt Ion: 85 Resp: 82566

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

60000

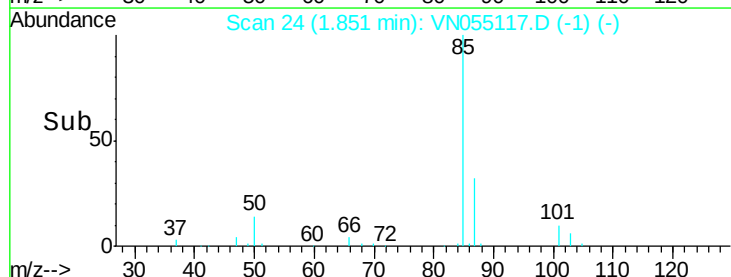
40000

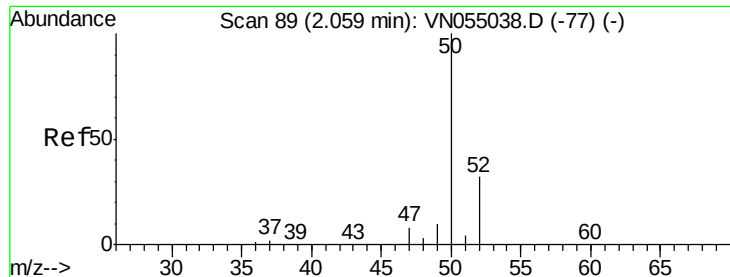
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.037 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

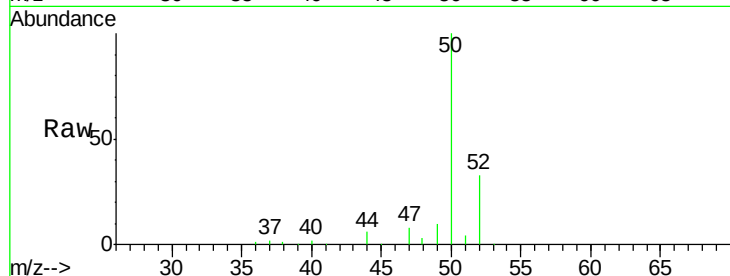
ClientSampled :

Tot Ion: 50 Resp: 107850

Ion Ratio Lower Upper

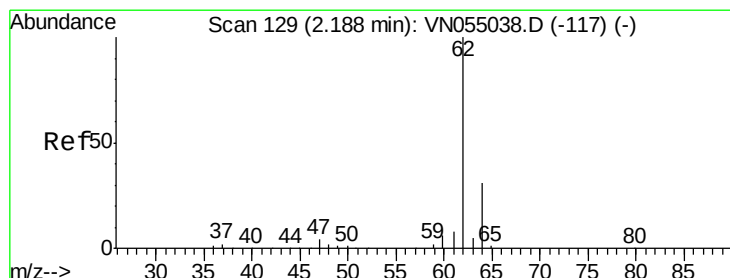
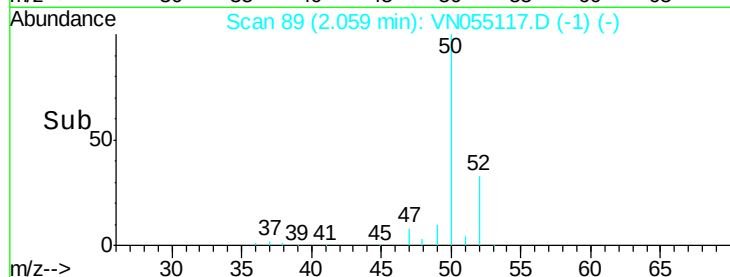
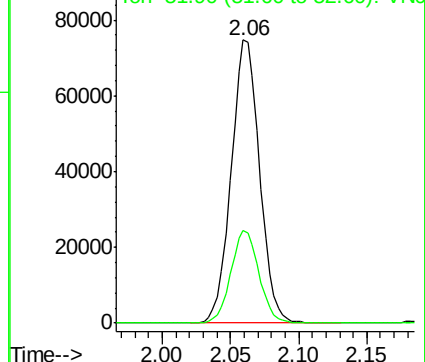
50 100

52 32.6 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.029 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055117.D

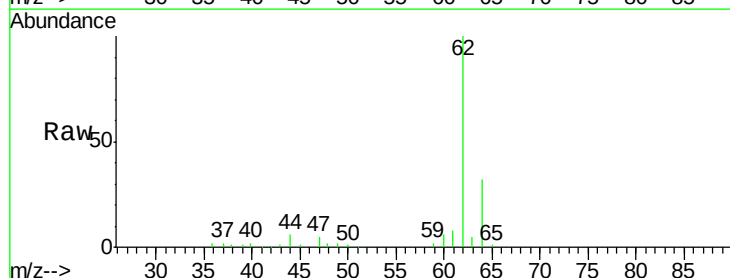
Acq: 18 Apr 2019 11:13

Tgt Ion: 62 Resp: 85849

Ion Ratio Lower Upper

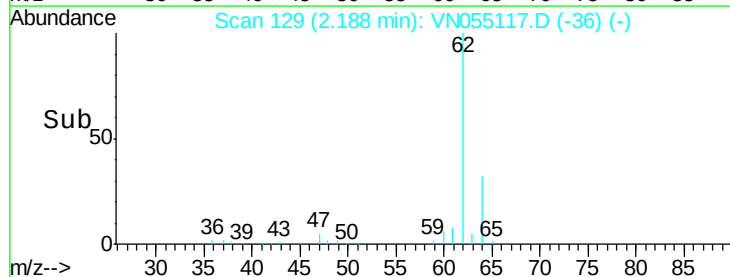
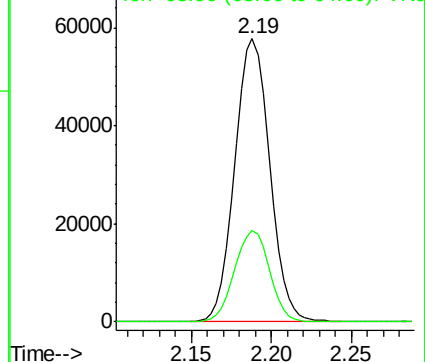
62 100

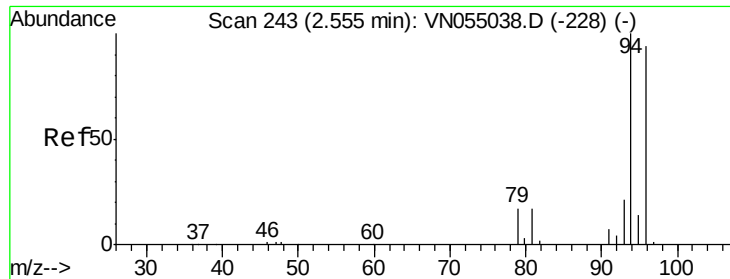
64 32.2 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 17.939 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

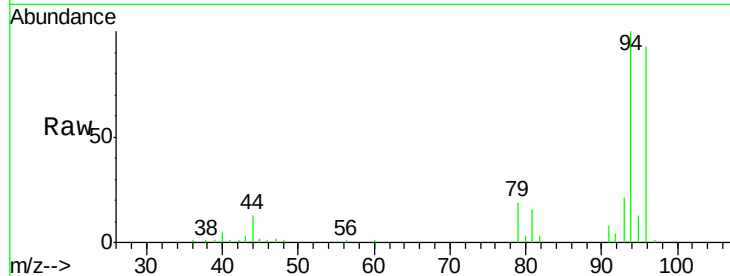
ClientSampled :

Tot Ion: 94 Resp: 48324

Ion Ratio Lower Upper

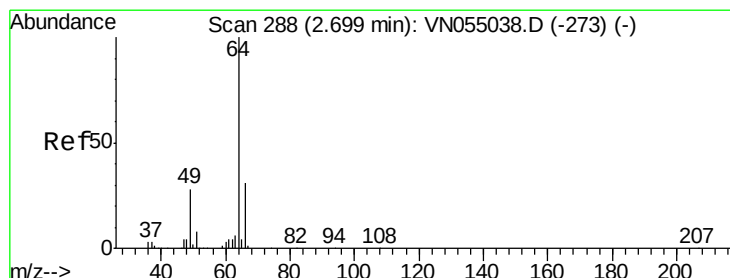
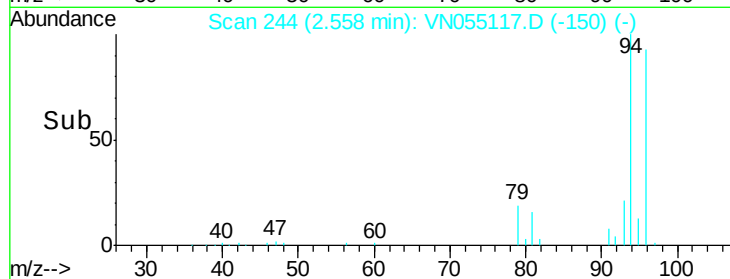
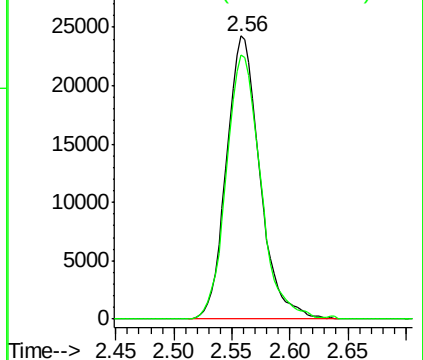
94 100

96 93.2 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.523 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055117.D

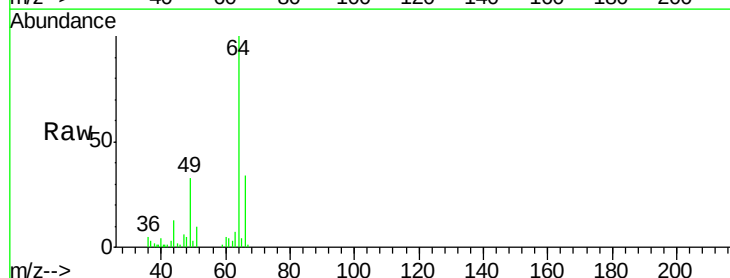
Acq: 18 Apr 2019 11:13

Tgt Ion: 64 Resp: 47565

Ion Ratio Lower Upper

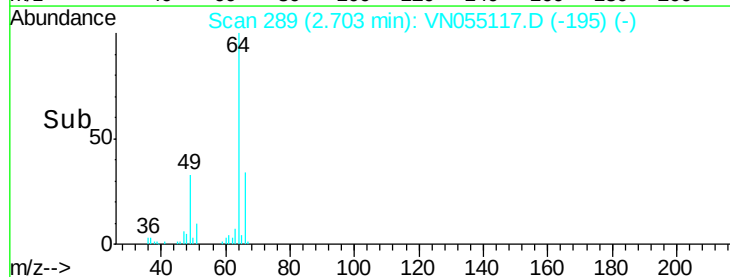
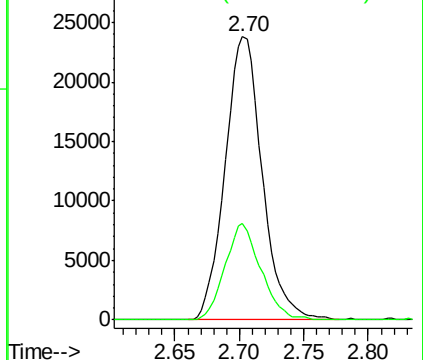
64 100

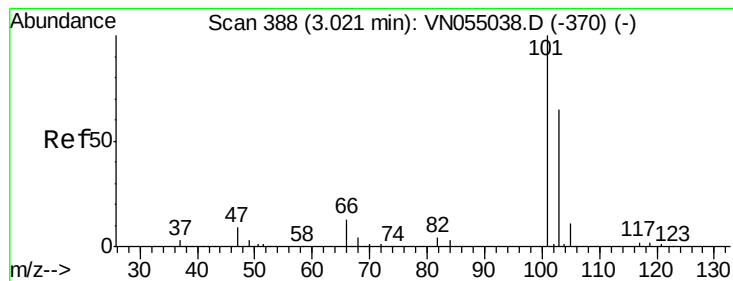
66 34.2 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



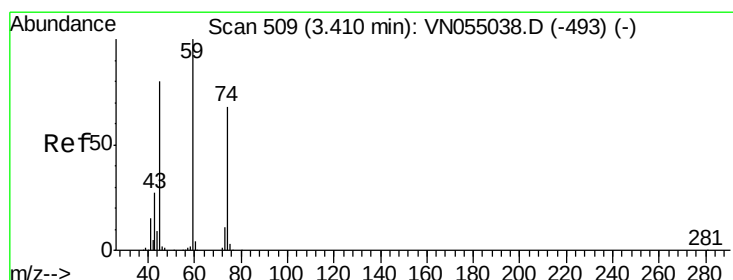
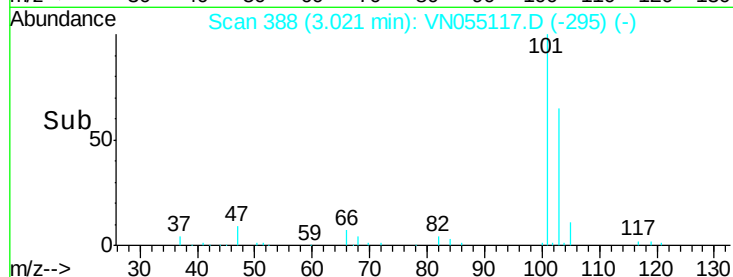
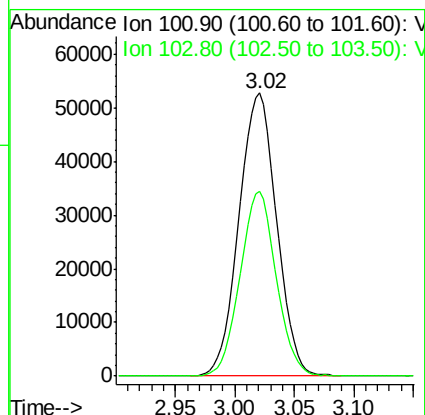
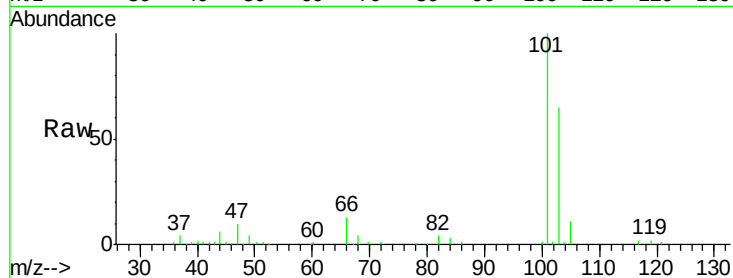


#7

Trichlorofluoromethane
Concen: 19.400 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampled :

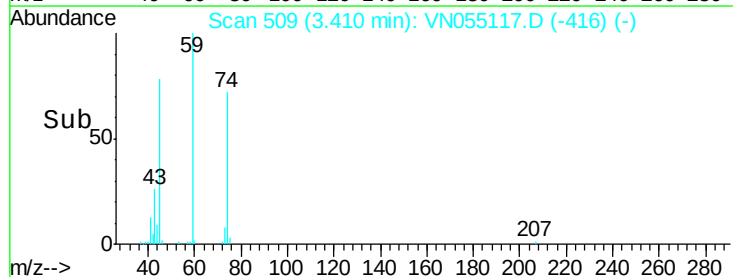
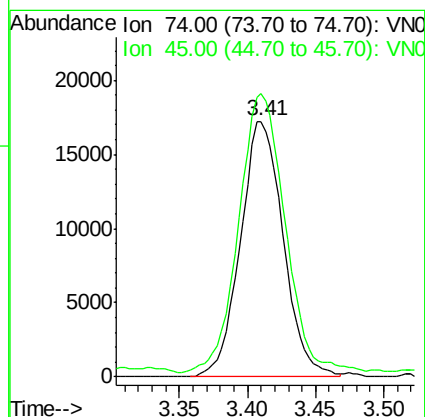
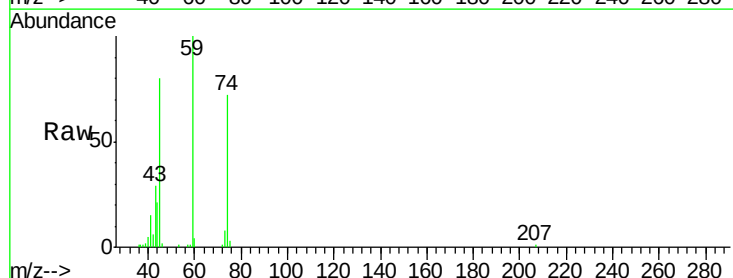
Tot Ion:101 Resp: 115530
Ion Ratio Lower Upper
101 100
103 65.5 52.5 78.7

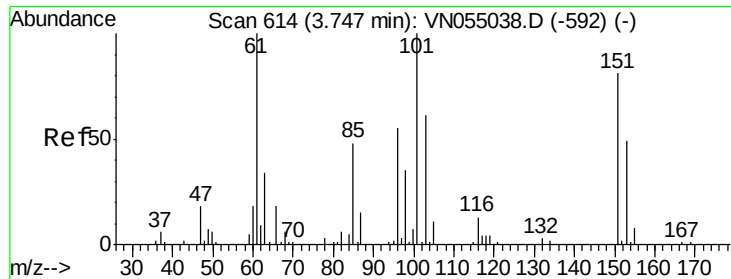


#8

Diethyl Ether
Concen: 19.753 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion: 74 Resp: 37550
Ion Ratio Lower Upper
74 100
45 117.9 55.7 167.1

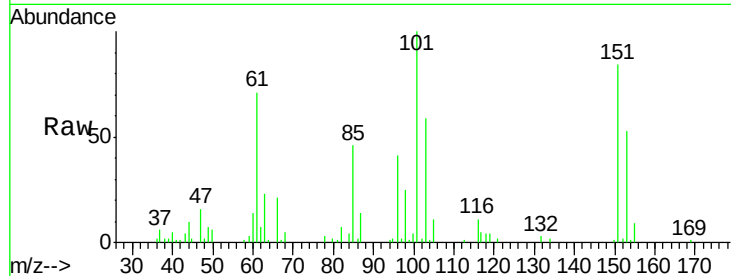




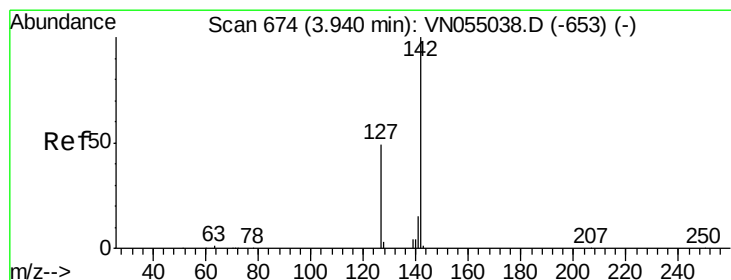
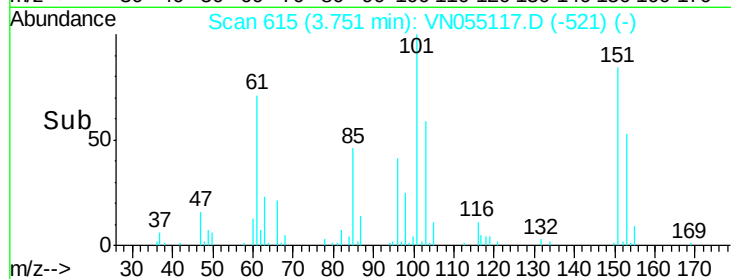
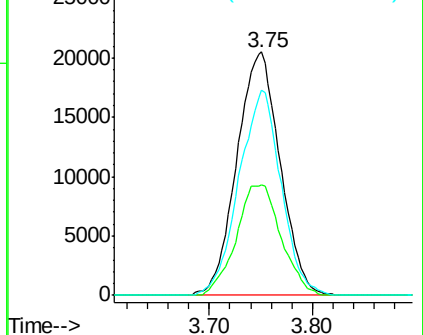
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.154 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.9	55.3
151	82.1	64.4	96.6

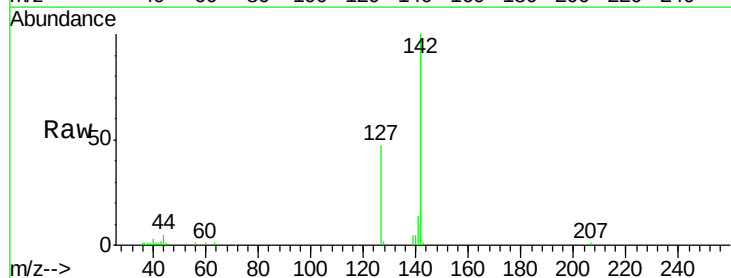


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

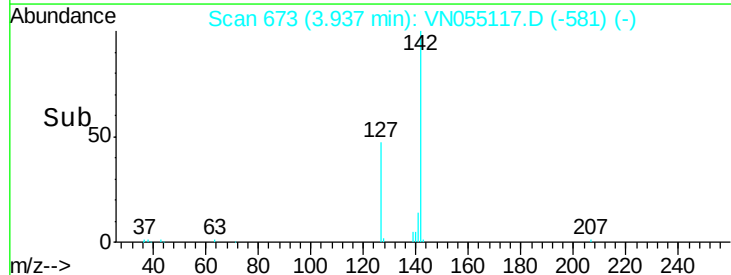
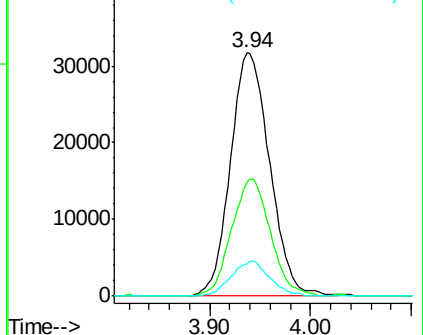


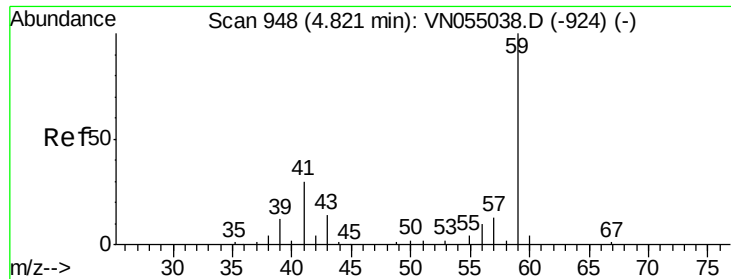
#10
 Methyl Iodide
 Concen: 17.724 ug/l
 RT: 3.94 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.6	37.9	56.9
141	14.2	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

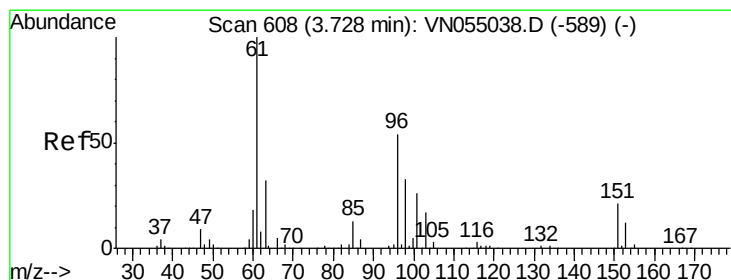
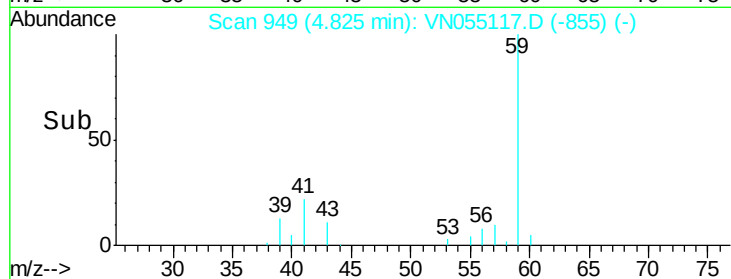
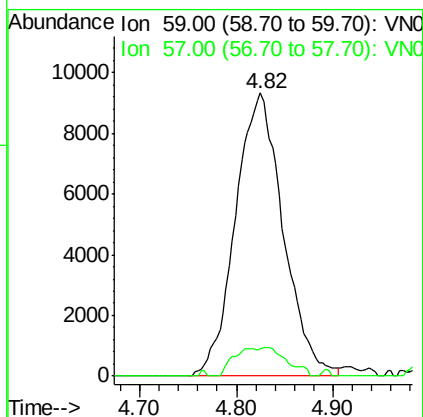
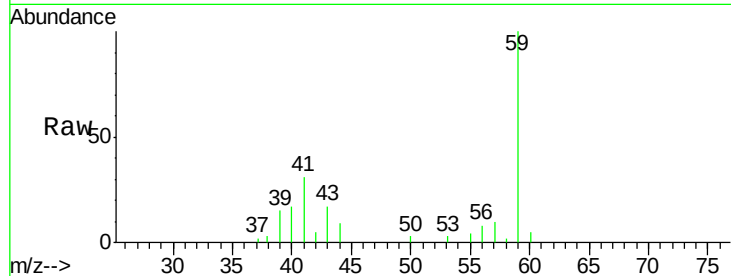




#11
Tert butyl alcohol
Concen: 114.724 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

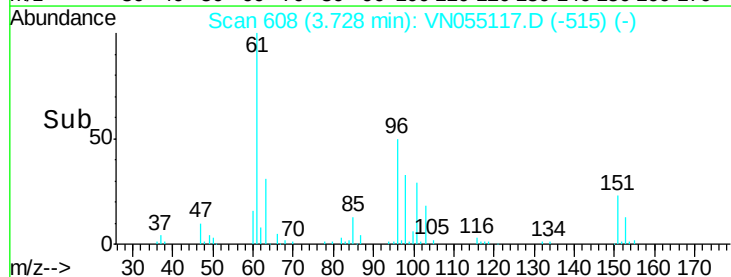
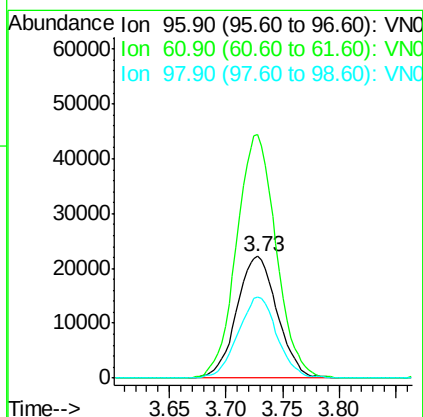
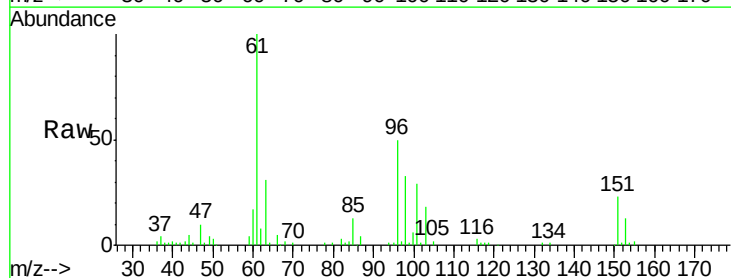
Instrument :
MSVOA_N
ClientSampled :

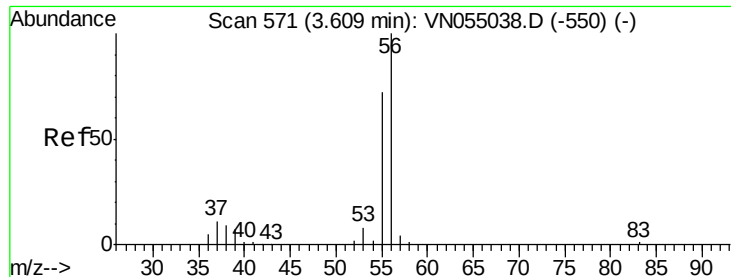
Tot Ion: 59 Resp: 31948
Ion Ratio Lower Upper
59 100
57 5.1 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 18.262 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion: 96 Resp: 55398
Ion Ratio Lower Upper
96 100
61 200.4 154.2 231.4
98 67.1 52.9 79.3





#13

Acrolein

Concen: 69.393 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

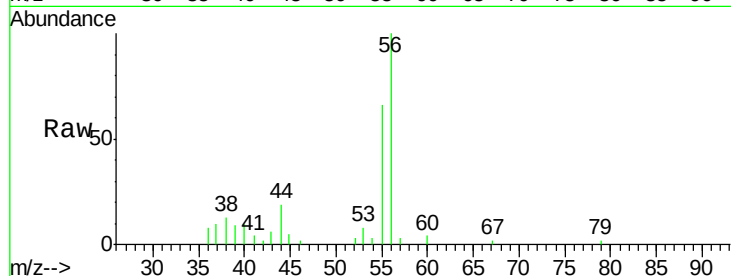
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 23886

Ion Ratio Lower Upper

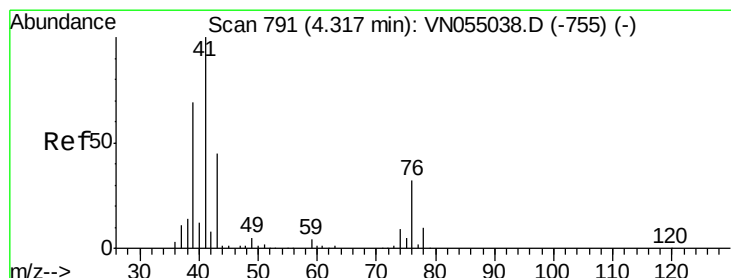
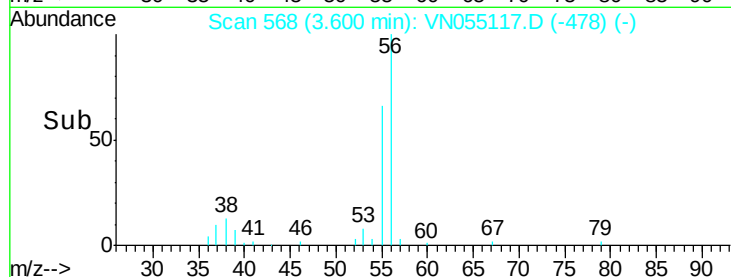
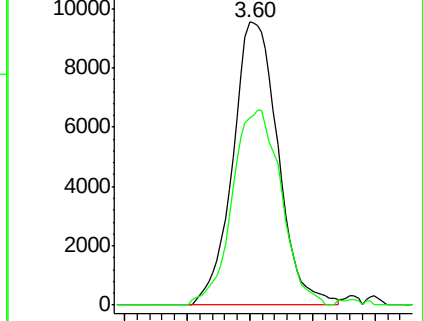
56 100

55 74.5 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: 20.130 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

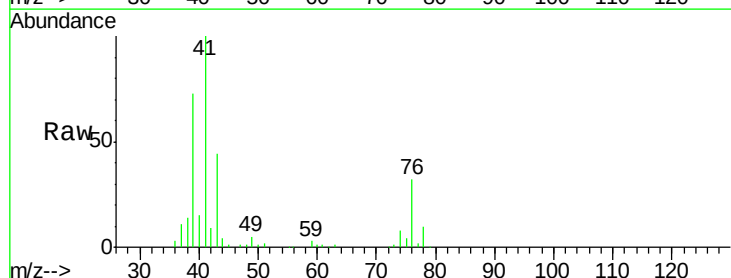
Tgt Ion: 41 Resp: 149475

Ion Ratio Lower Upper

41 100

39 66.1 52.7 79.1

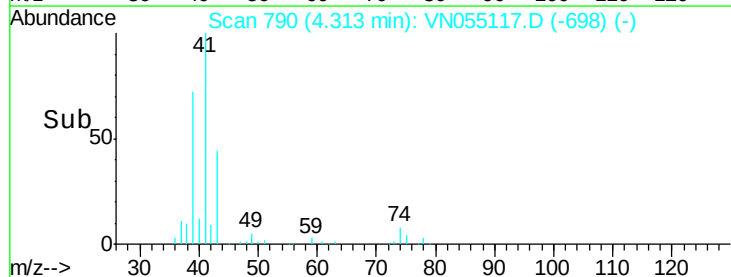
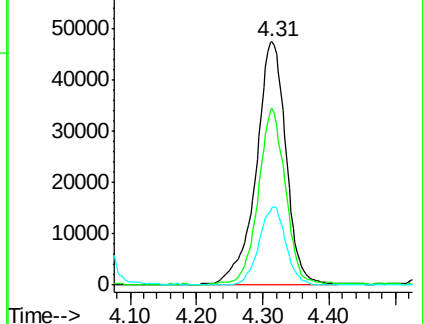
76 28.7 23.2 34.8

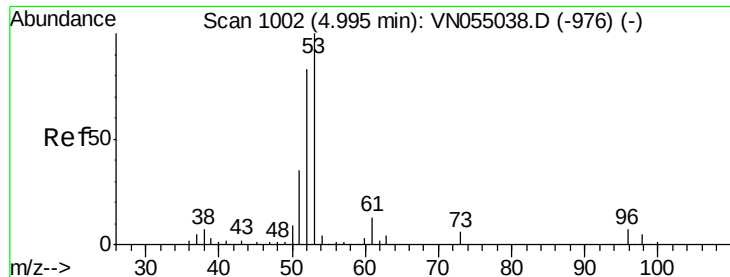


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 105.327 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

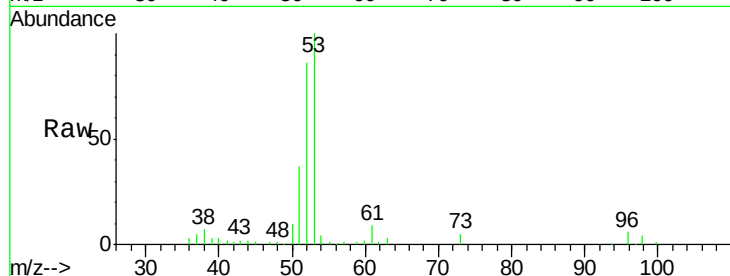
Tot Ion: 53 Resp: 175488

Ion Ratio Lower Upper

53 100

52 84.0 65.9 98.9

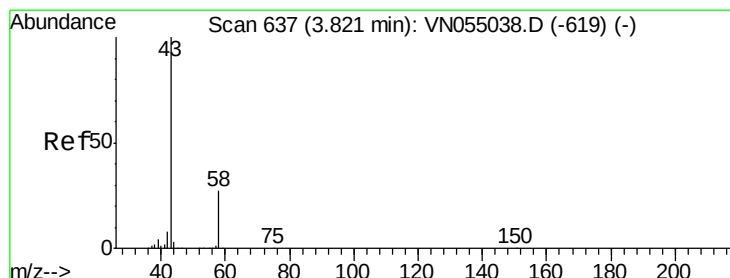
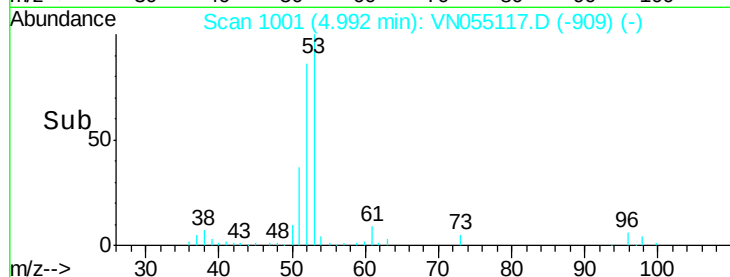
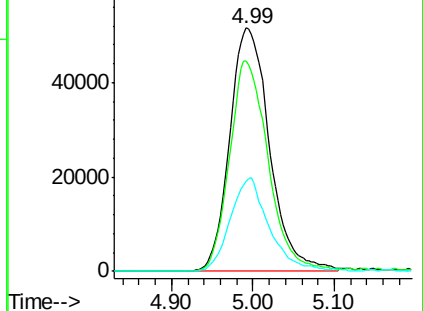
51 37.2 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN055117.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN055117.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN055117.D (-976) (-)



#16

Acetone

Concen: 100.125 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055117.D

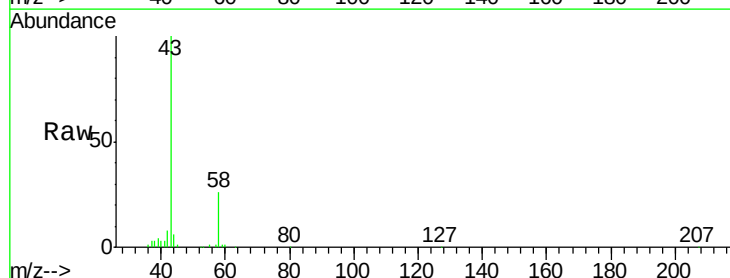
Acq: 18 Apr 2019 11:13

Tgt Ion: 43 Resp: 138064

Ion Ratio Lower Upper

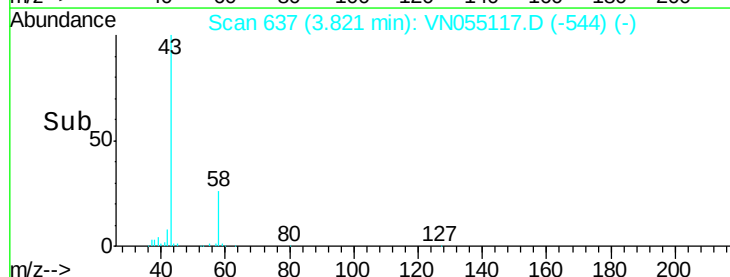
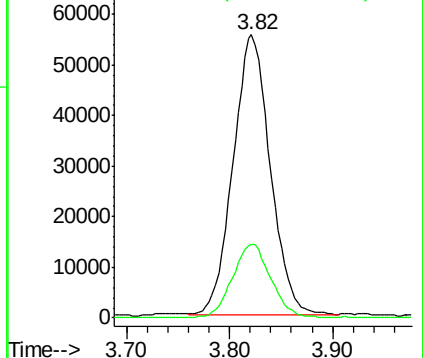
43 100

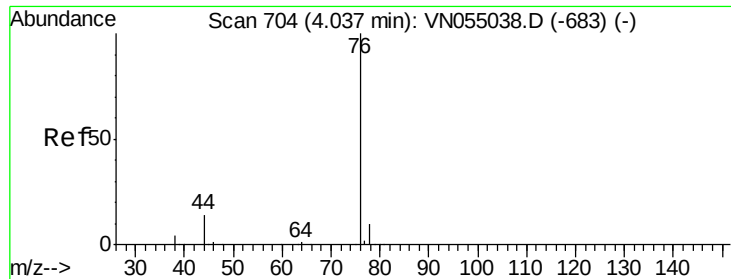
58 26.2 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN055117.D (-544) (-)

Ion 58.00 (57.70 to 58.70): VN055117.D (-544) (-)

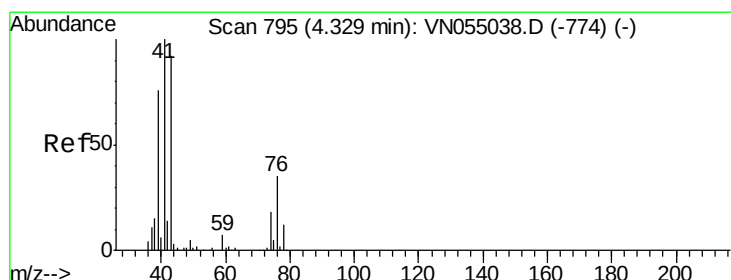
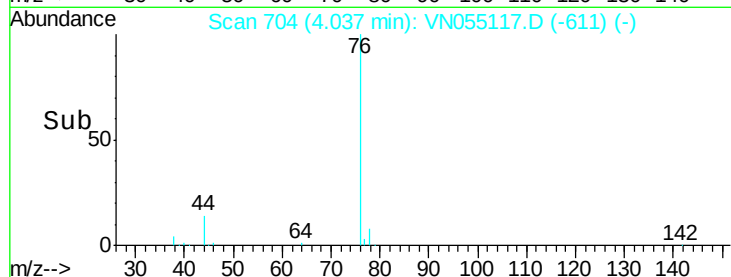
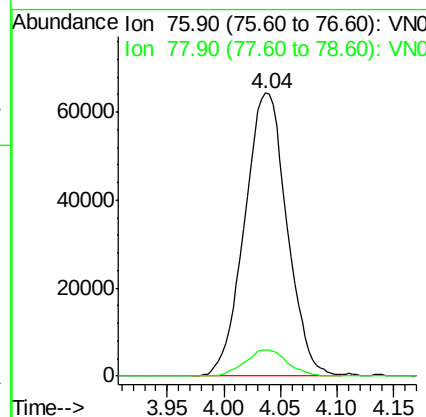
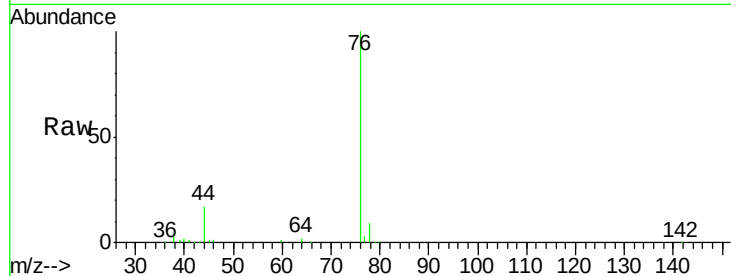




#17
Carbon Disulfide
Concen: 17.171 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

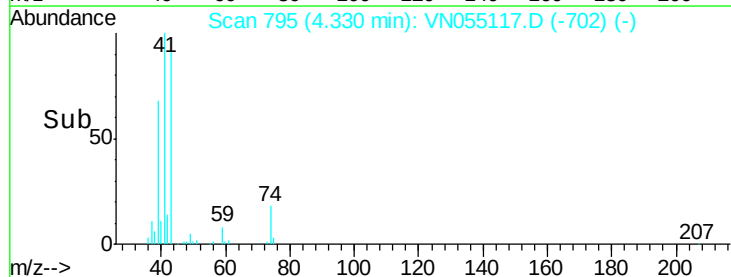
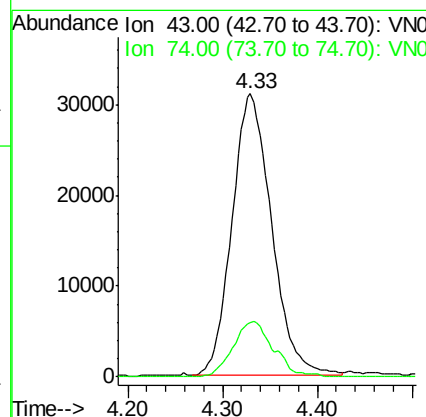
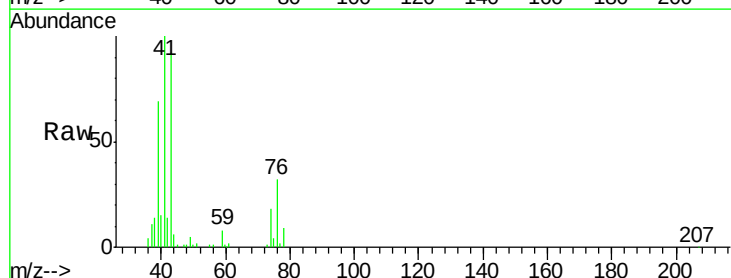
Instrument :
MSVOA_N
ClientSampleId :

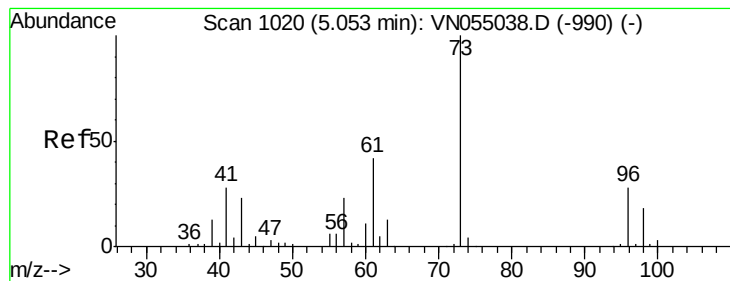
Tot Ion: 76 Resp: 168146
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 22.522 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion: 43 Resp: 90463
Ion Ratio Lower Upper
43 100
74 20.1 16.1 24.1



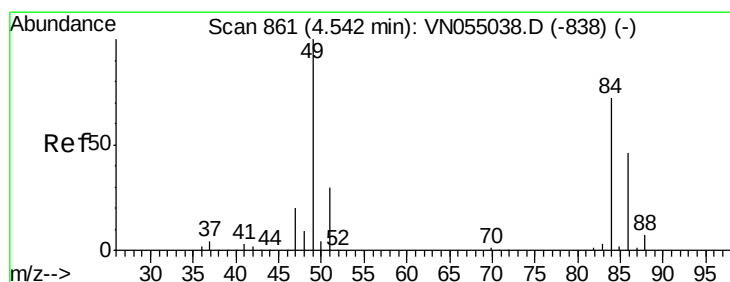
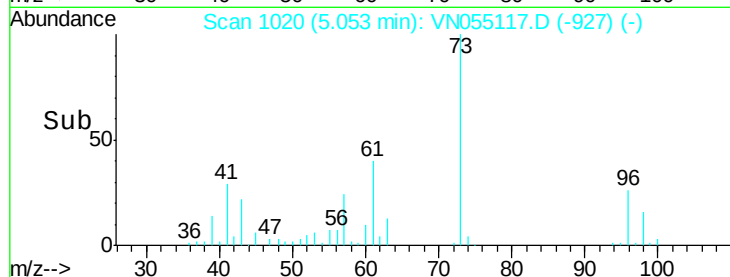
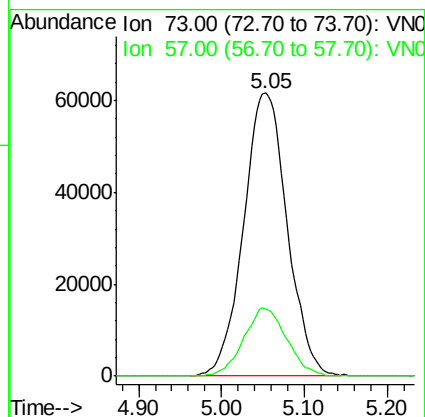
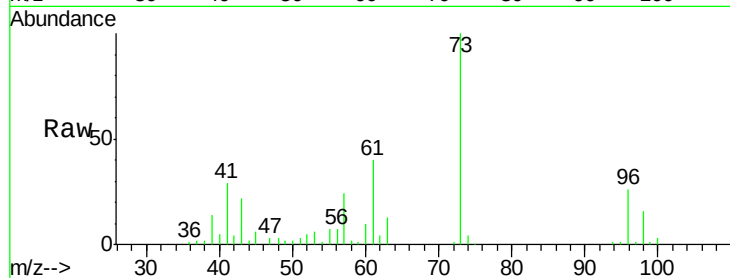


#19

Methvl tert-butyl Ether
 Concen: 20.734 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Instrument :
 MSVOA_N
 ClientSampleId :

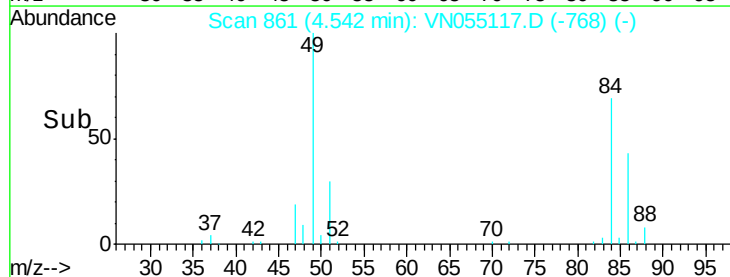
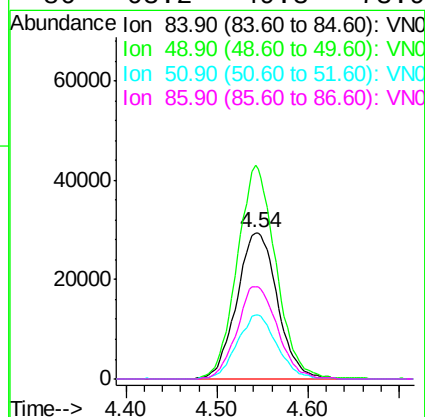
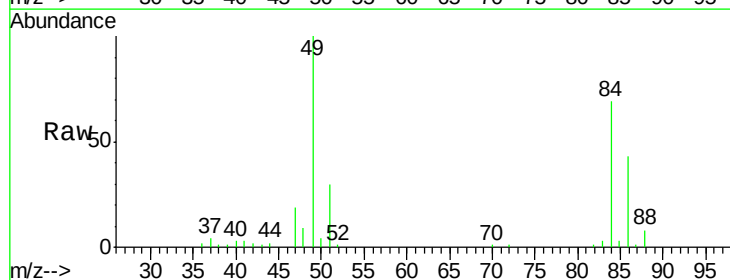
Tot Ion: 73 Resp: 224997
 Ion Ratio Lower Upper
 73 100
 57 23.8 19.0 28.4

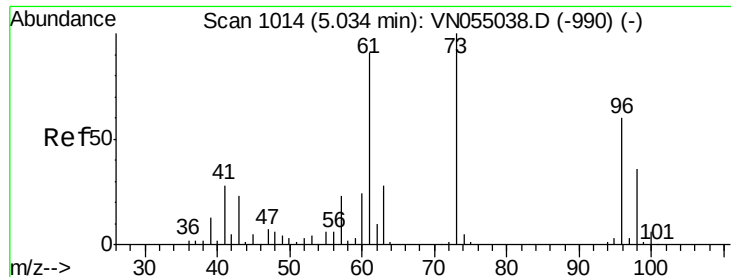


#20

Methylene Chloride
 Concen: 18.809 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion: 84 Resp: 91172
 Ion Ratio Lower Upper
 84 100
 49 145.7 109.4 164.2
 51 43.9 32.2 48.4
 86 63.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 18.718 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampled :

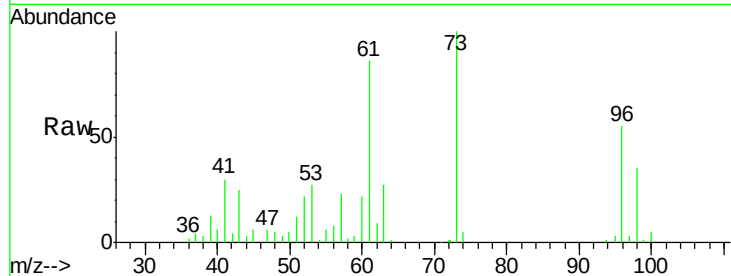
Tot Ion: 96 Resp: 76798

Ion Ratio Lower Upper

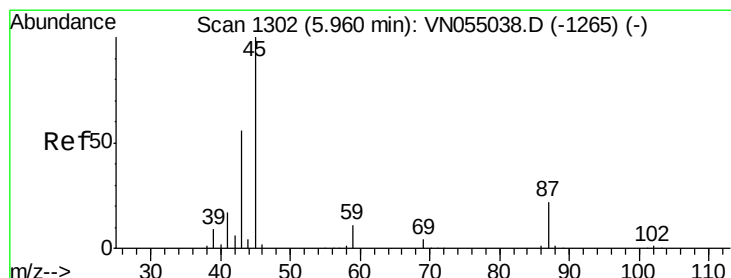
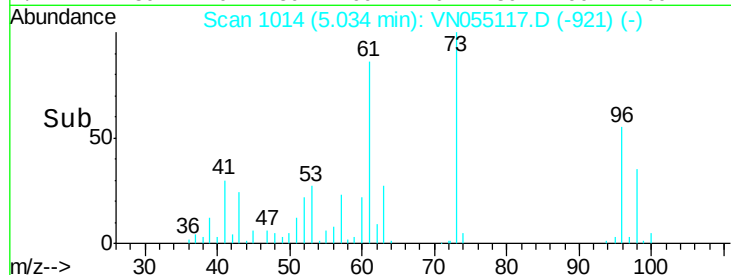
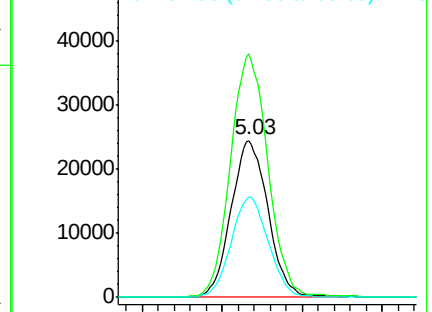
96 100

61 154.4 114.9 172.3

98 64.0 48.4 72.6



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



#22

Diisopropyl ether

Concen: 20.458 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Tgt Ion: 45 Resp: 312283

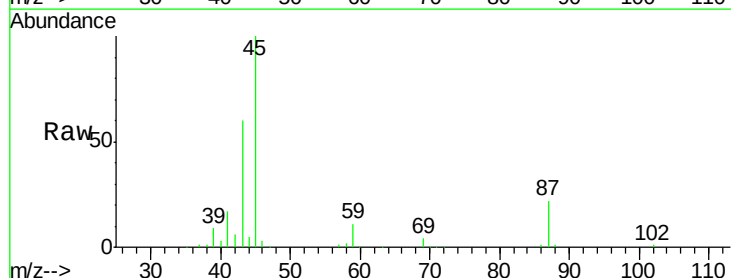
Ion Ratio Lower Upper

45 100

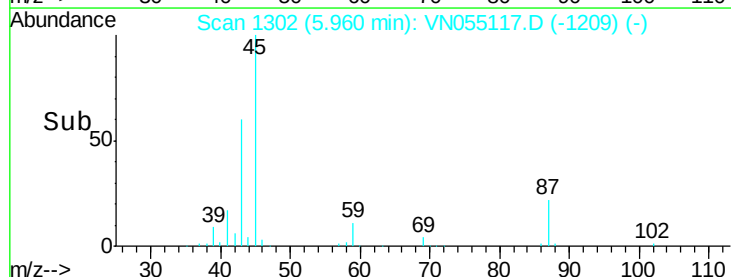
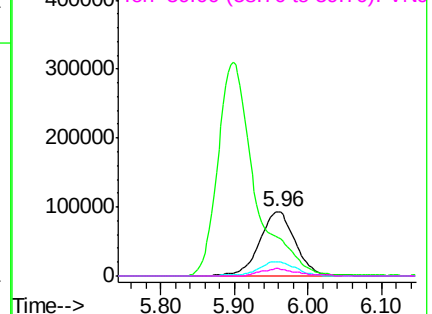
43 58.0 44.8 67.2

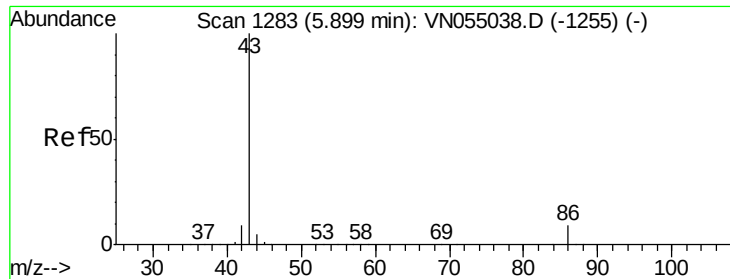
87 21.8 18.9 28.3

59 10.9 7.9 11.9



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

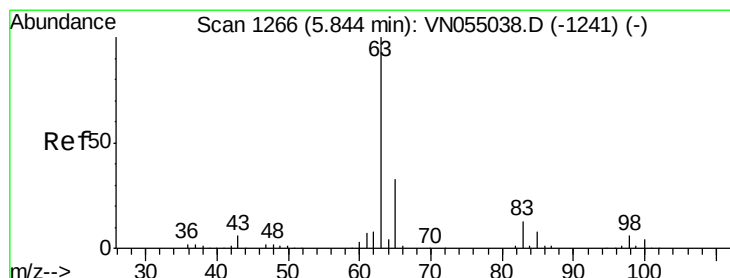
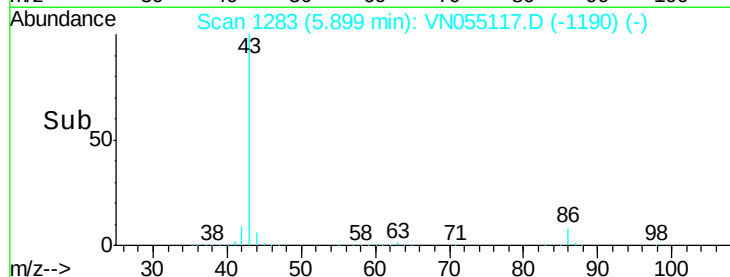
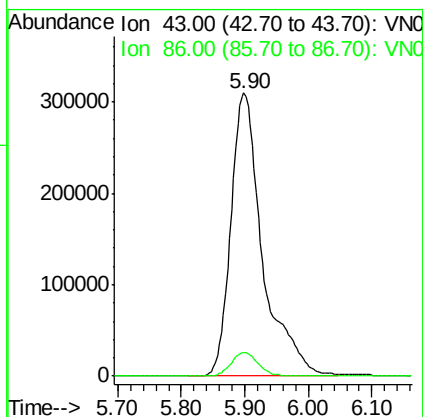
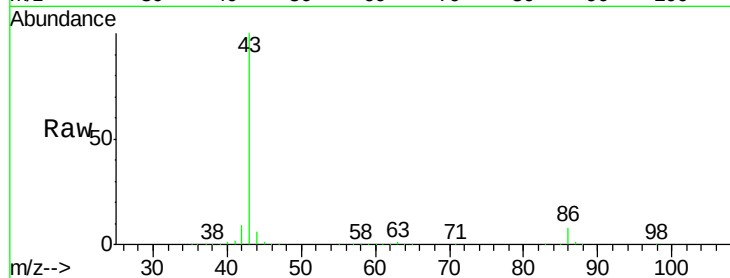




#23
 Vinyl Acetate
 Concen: 106.488 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

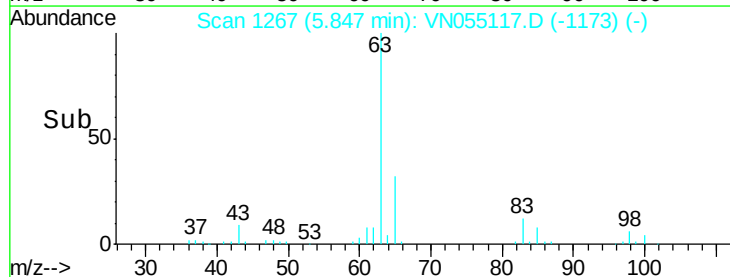
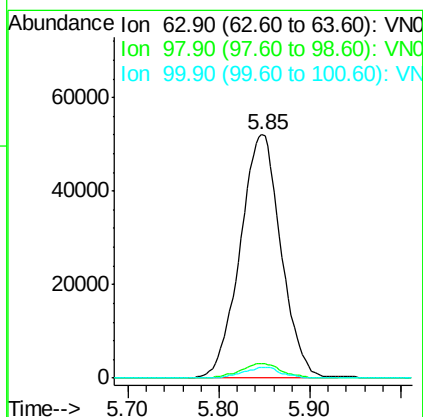
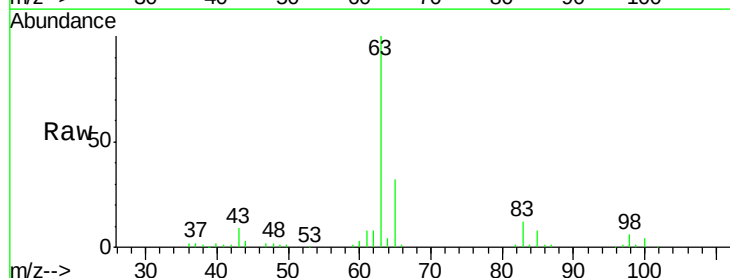
Instrument :
 MSVOA_N
 ClientSampleId :

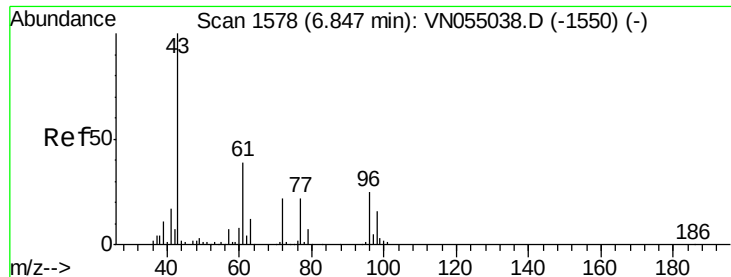
Tot Ion: 43 Resp: 1074431
 Ion Ratio Lower Upper
 43 100
 86 8.2 7.0 10.4



#24
 1,1-Dichloroethane
 Concen: 19.980 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion: 63 Resp: 162416
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.8 8.4
 100 4.5 2.0 5.8

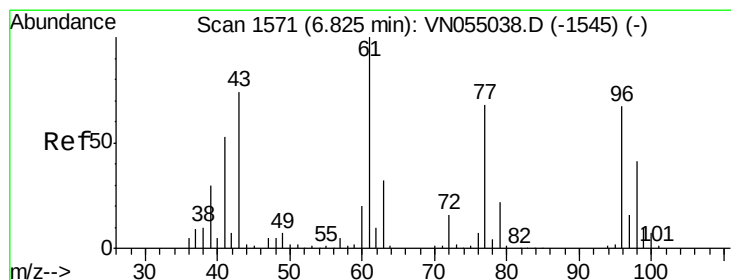
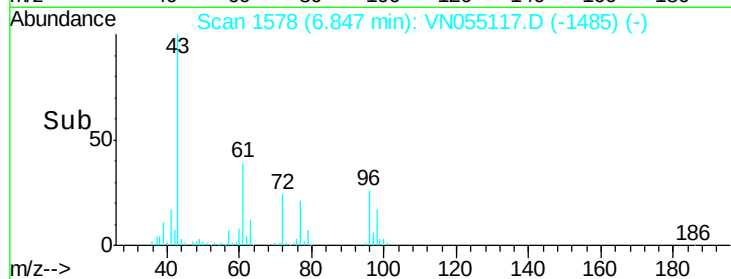
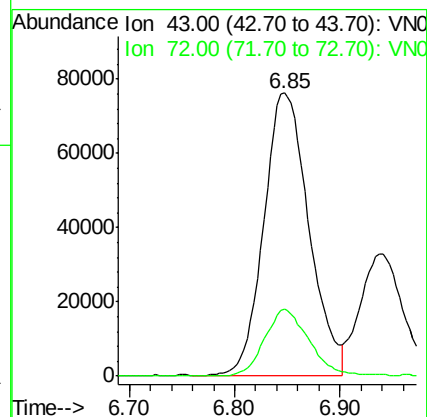
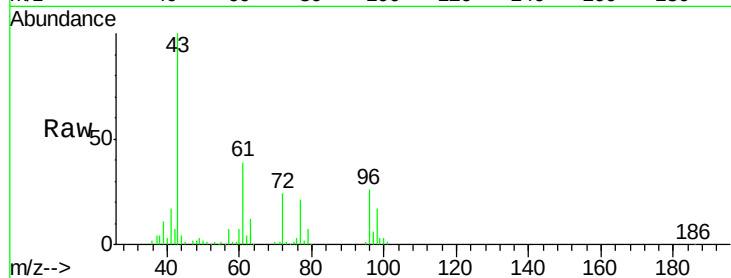




#25
2-Butanone
Concen: 109.753 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

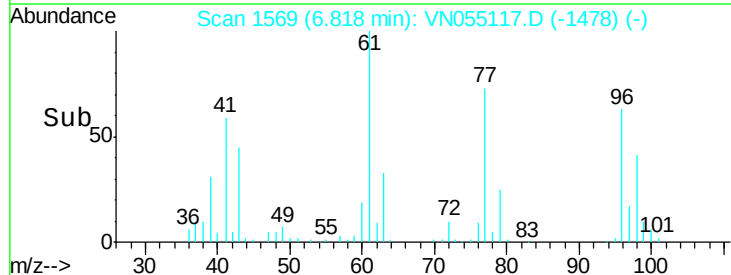
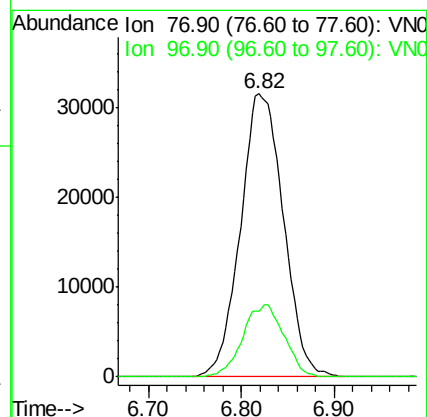
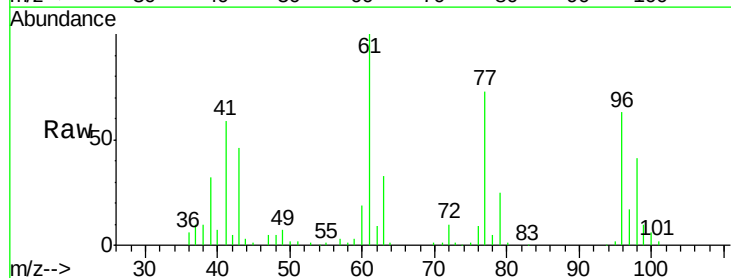
Instrument :
MSVOA_N
ClientSampled :

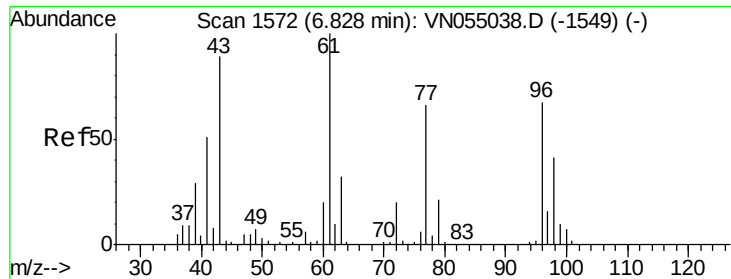
Tot Ion: 43 Resp: 225873
Ion Ratio Lower Upper
43 100
72 23.8 18.1 27.1



#26
2,2-Dichloropropane
Concen: 19.760 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion: 77 Resp: 101381
Ion Ratio Lower Upper
77 100
97 24.5 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 19.658 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampled :

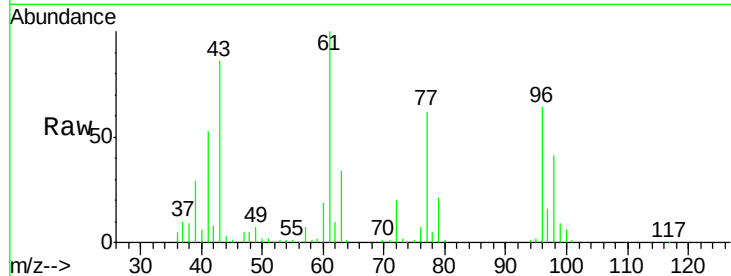
Tot Ion: 96 Resp: 91249

Ion Ratio Lower Upper

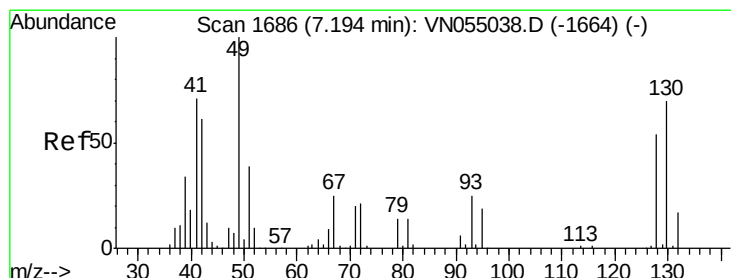
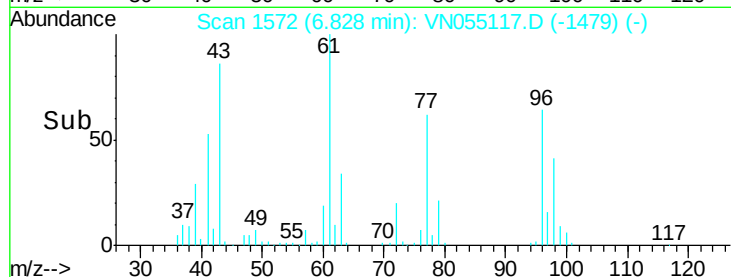
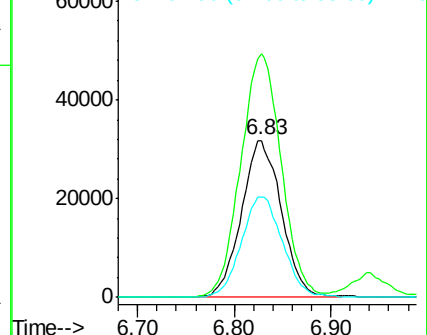
96 100

61 157.3 0.0 311.0

98 66.0 0.0 127.4



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



#28

Bromochloromethane

Concen: 19.985 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

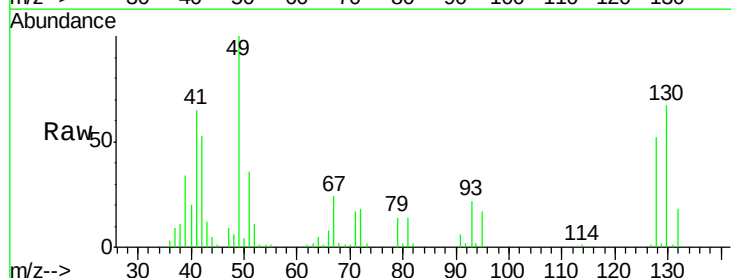
Tgt Ion: 49 Resp: 78311

Ion Ratio Lower Upper

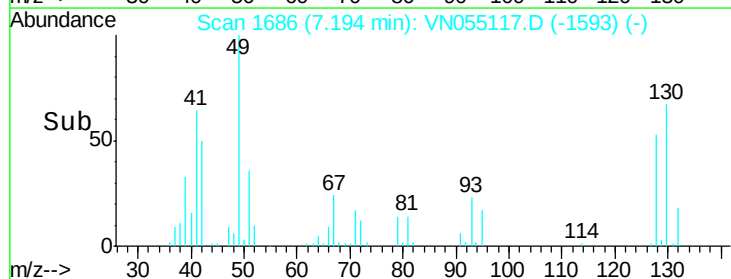
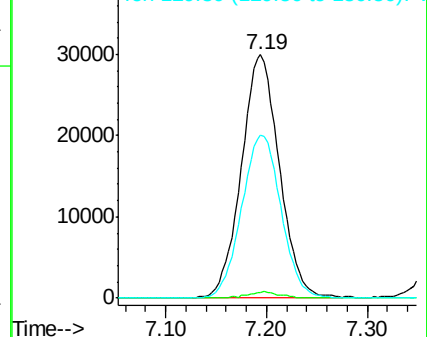
49 100

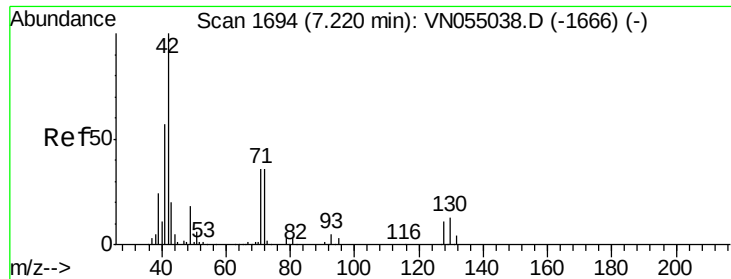
129 2.1 0.0 2.0#

130 69.2 53.4 80.2



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





#29

Tetrahydrofuran

Concen: 106.554 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampled :

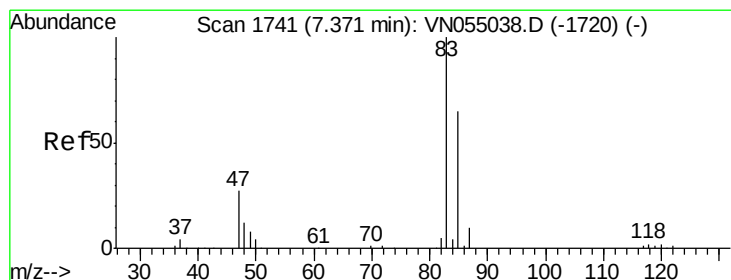
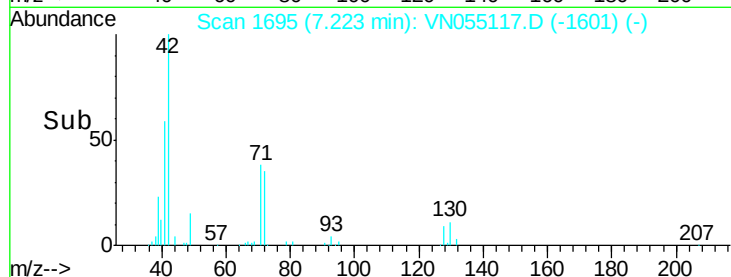
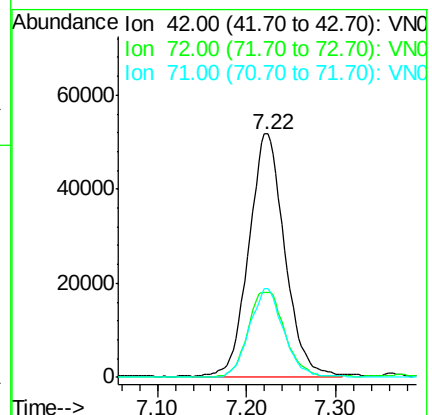
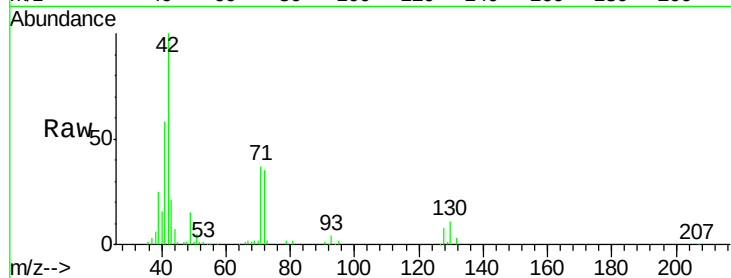
Tot Ion: 42 Resp: 143804

Ion Ratio Lower Upper

42 100

72 36.8 29.4 44.0

71 34.9 27.8 41.6



#30

Chloroform

Concen: 19.639 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN055117.D

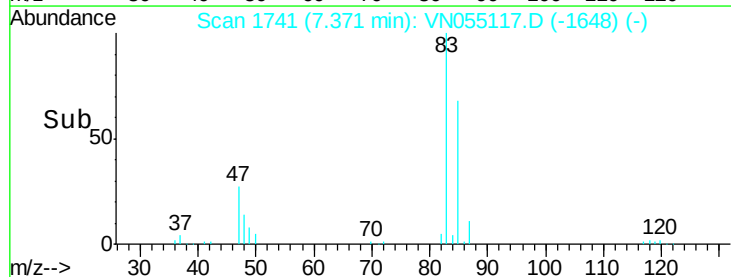
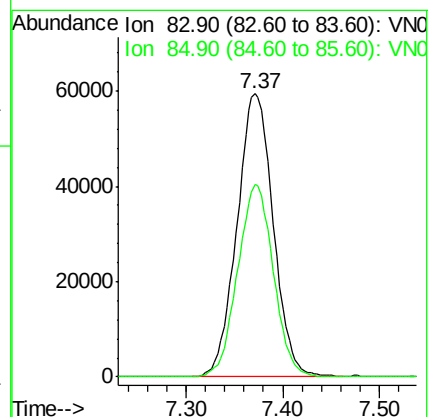
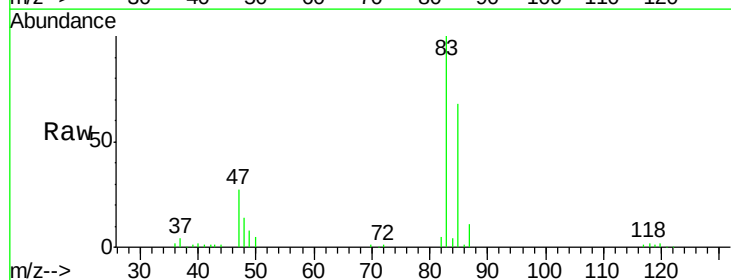
Acq: 18 Apr 2019 11:13

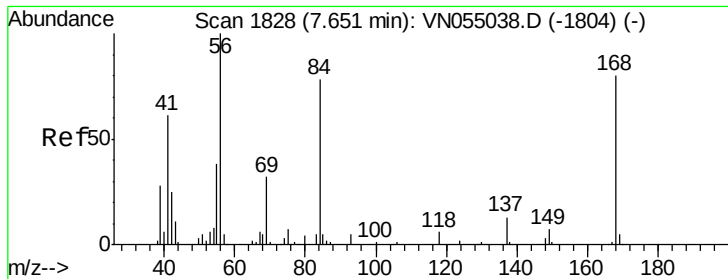
Tgt Ion: 83 Resp: 155065

Ion Ratio Lower Upper

83 100

85 68.0 51.8 77.6

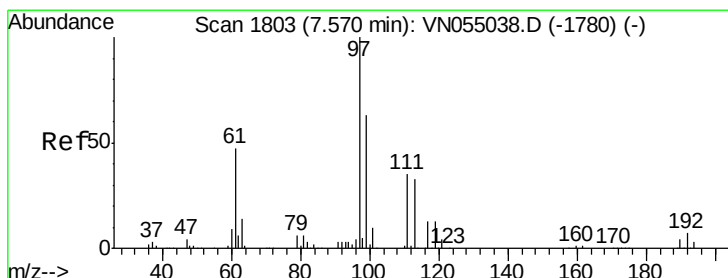
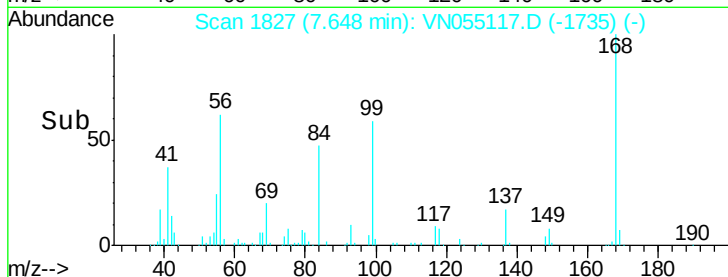
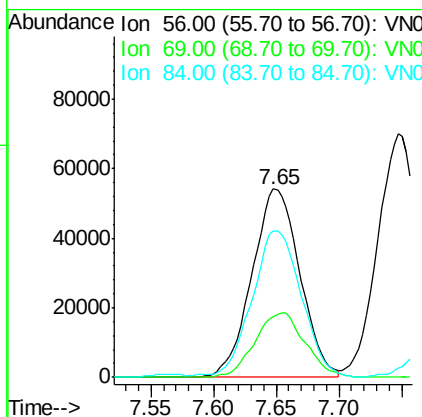
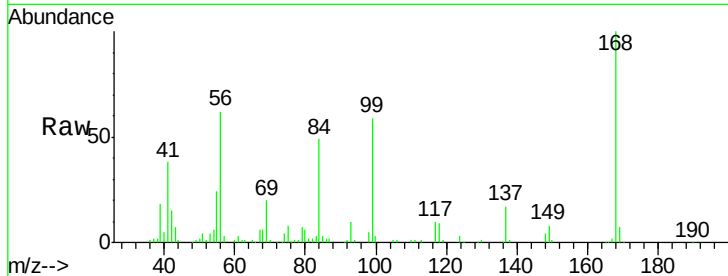




#31
Cyclohexane
Concen: 19.255 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

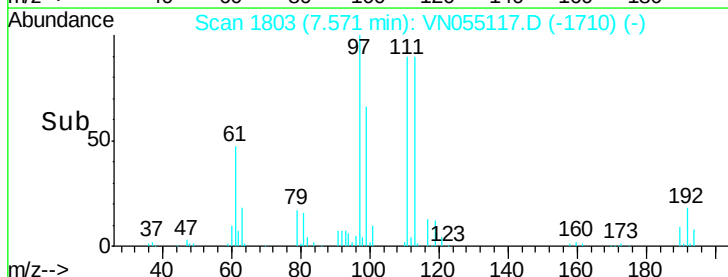
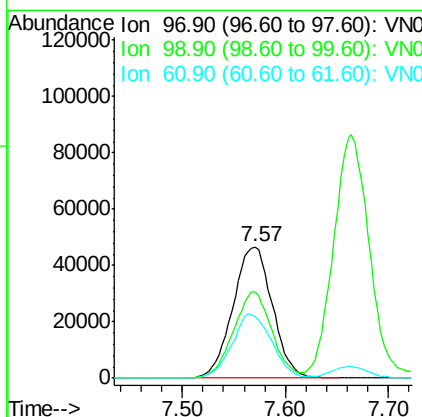
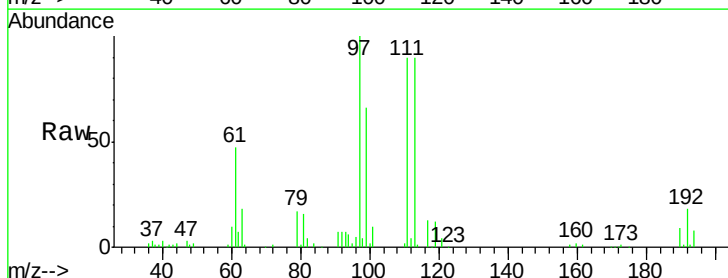
Instrument :
MSVOA_N
ClientSampled :

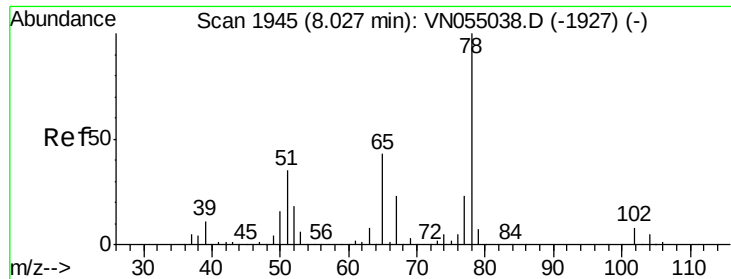
Tot Ion: 56 Resp: 143906
Ion Ratio Lower Upper
56 100
69 32.5 24.5 36.7
84 76.9 62.9 94.3



#32
1,1,1-Trichloroethane
Concen: 19.832 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion: 97 Resp: 124063
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 48.9 38.3 57.5

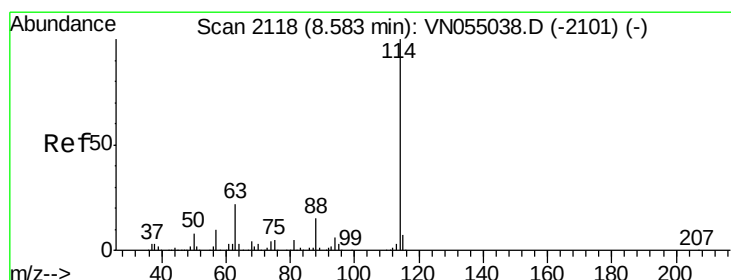
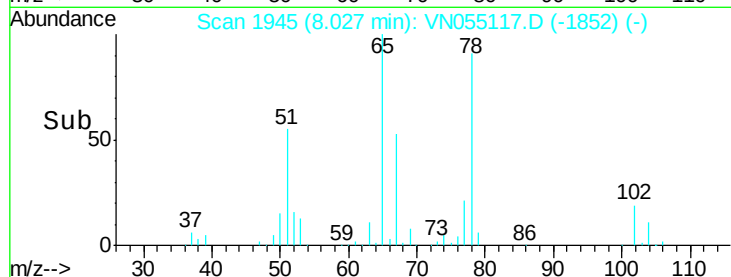
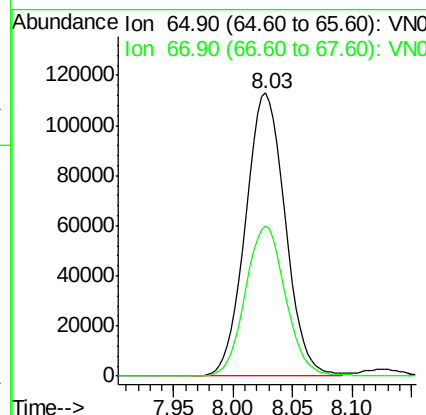
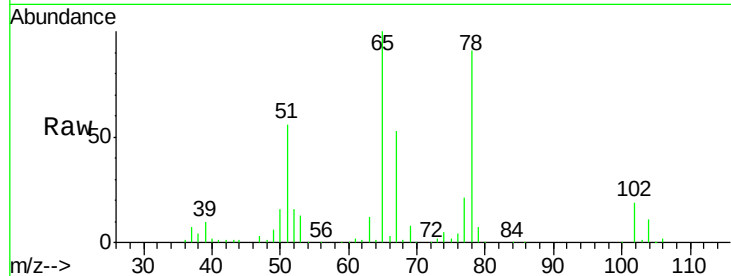




#33
 1,2-Dichloroethane-d4
 Concen: 51.521 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

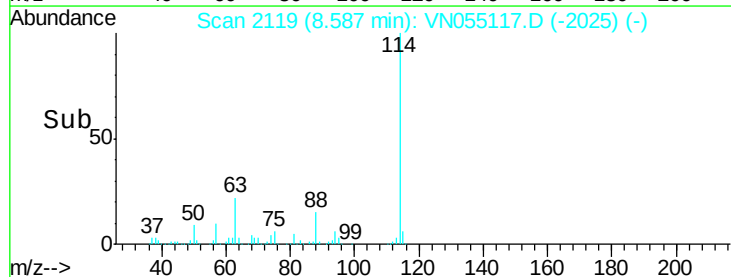
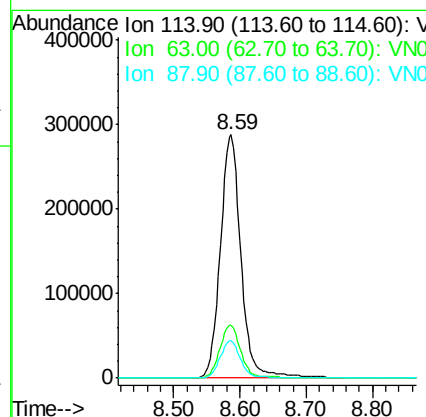
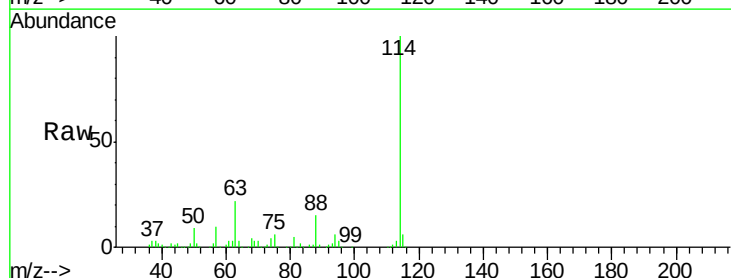
Instrument :
 MSVOA_N
 ClientSampled :

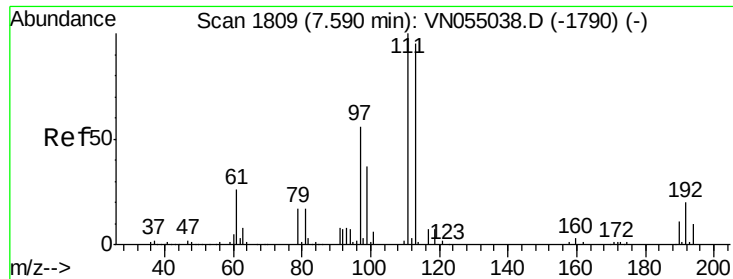
Tot Ion: 65 Resp: 261747
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion: 114 Resp: 624225
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 45.2
 88 15.4 0.0 31.8

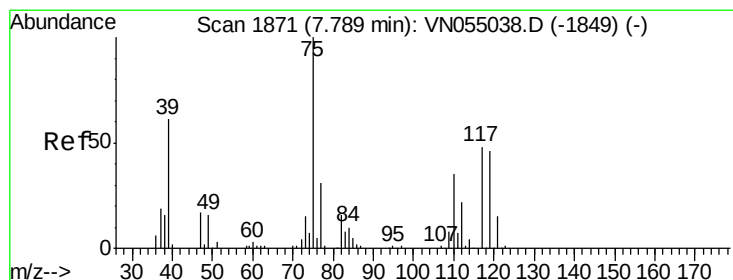
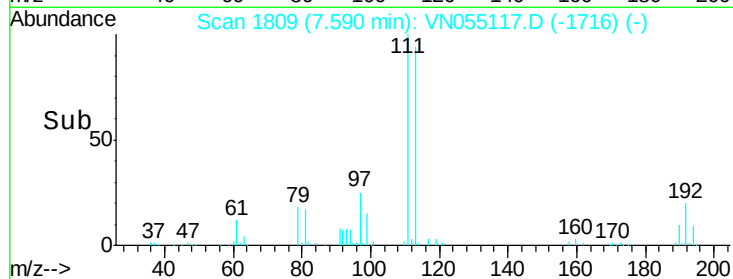
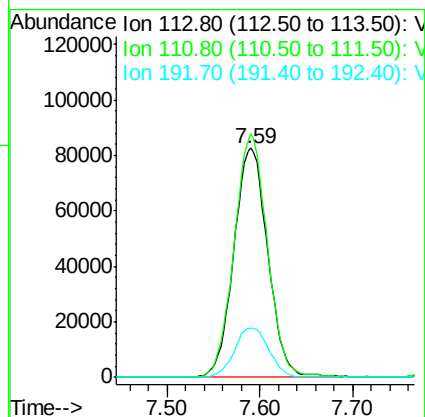
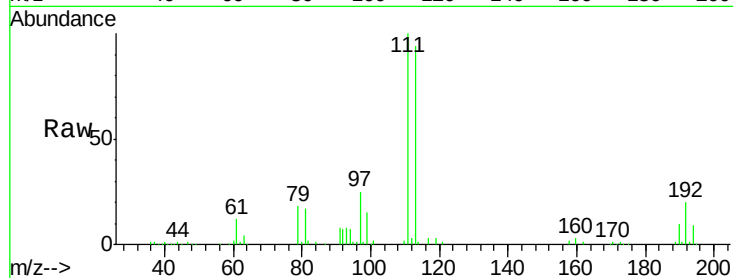




#35
 Dibromofluoromethane
 Concen: 50.361 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

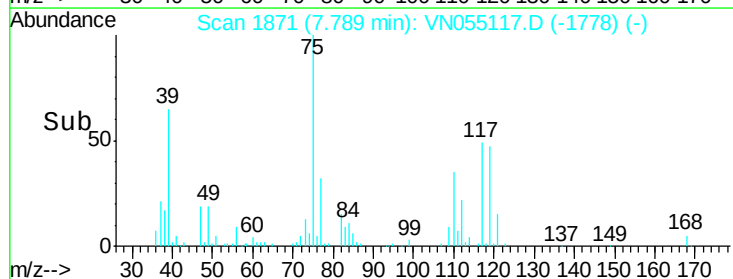
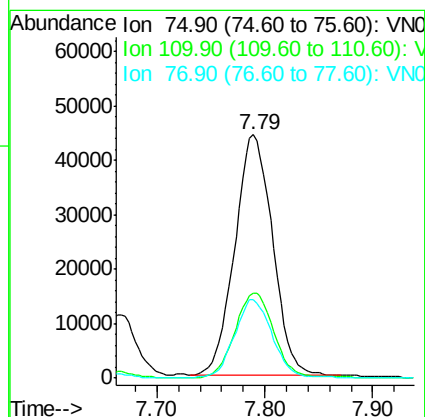
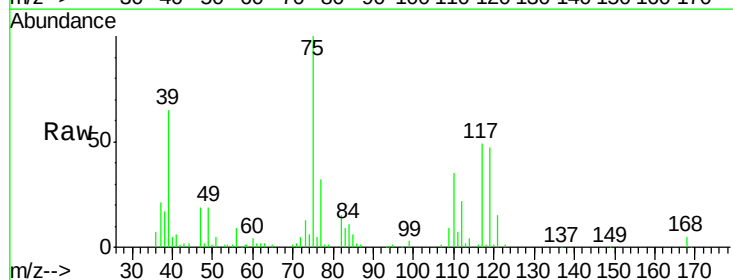
Instrument :
 MSVOA_N
 ClientSampleId :

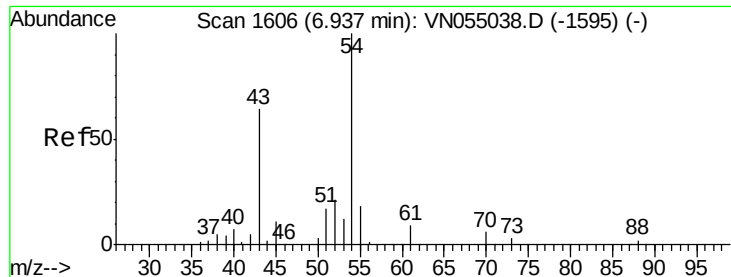
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.1	123.1
192	21.8	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 18.357 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.5	52.5
77	32.5	24.9	37.3

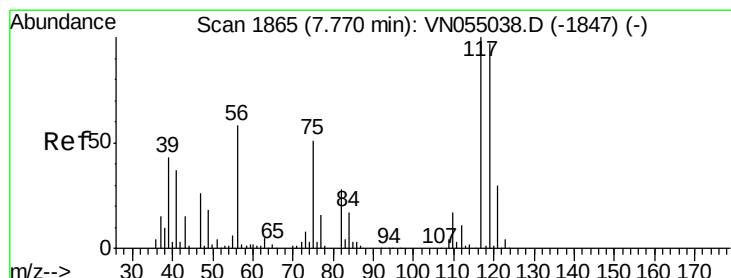
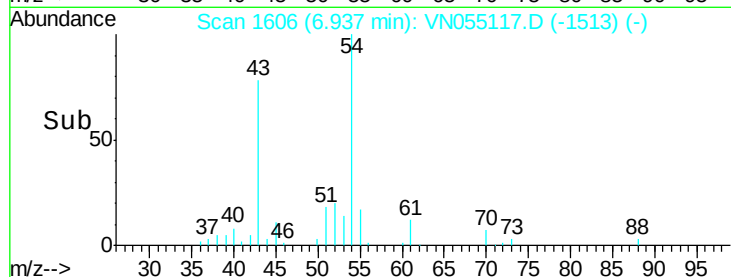
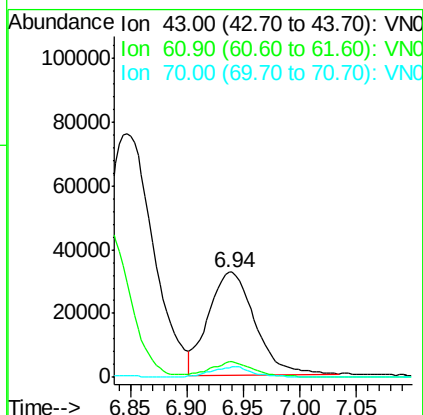
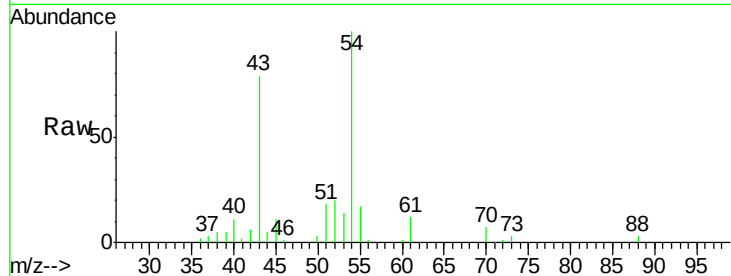




#37
Ethyl Acetate
Concen: 19.187 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

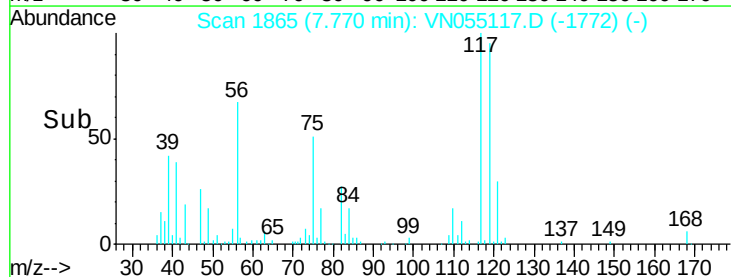
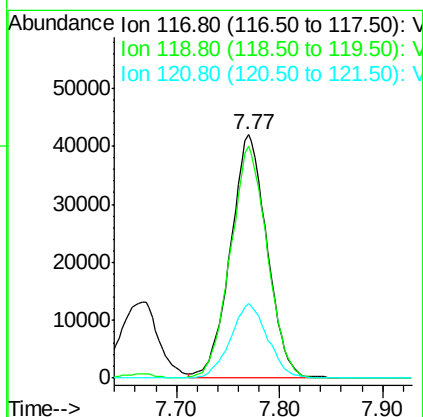
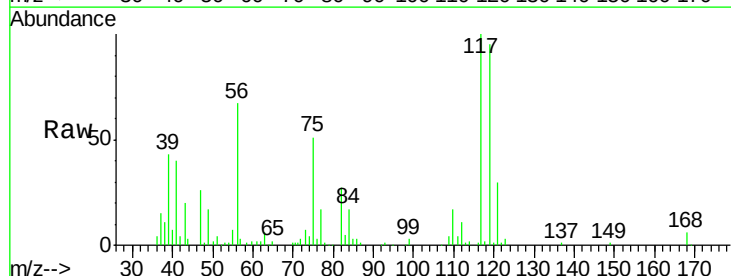
Instrument :
MSVOA_N
ClientSampled :

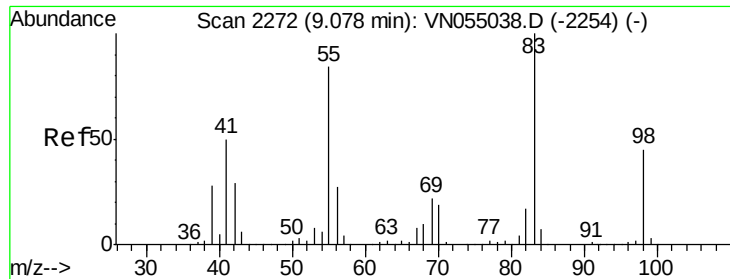
Tot Ion: 43 Resp: 91918
Ion Ratio Lower Upper
43 100
61 14.7 10.0 15.0
70 9.3 7.1 10.7



#38
Carbon Tetrachloride
Concen: 18.549 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion: 117 Resp: 103845
Ion Ratio Lower Upper
117 100
119 95.3 76.3 114.5
121 30.5 23.9 35.9

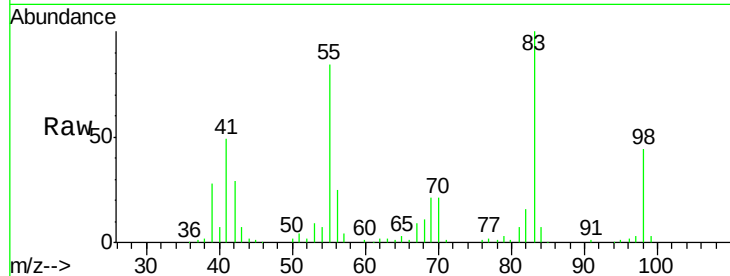




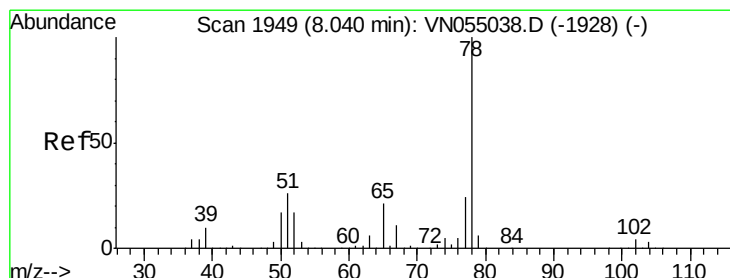
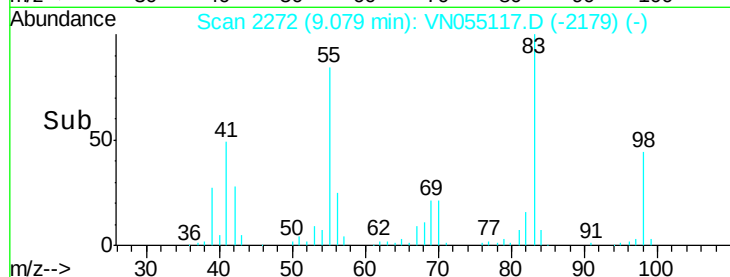
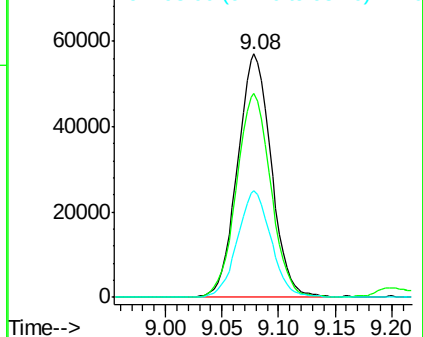
#39
Methylvlcyclohexane
Concen: 18.564 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 118372
Ion Ratio Lower Upper
83 100
55 83.9 67.0 100.4
98 43.7 35.6 53.4

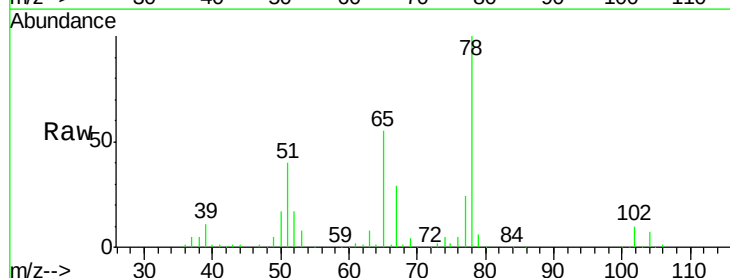


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

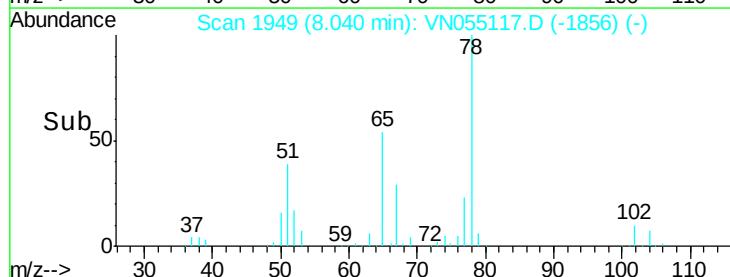
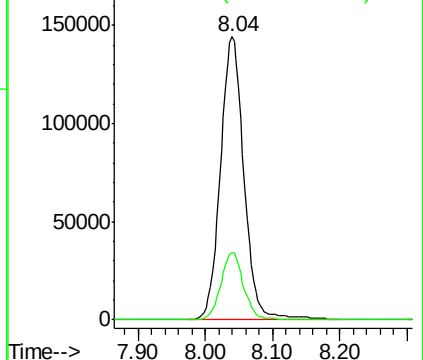


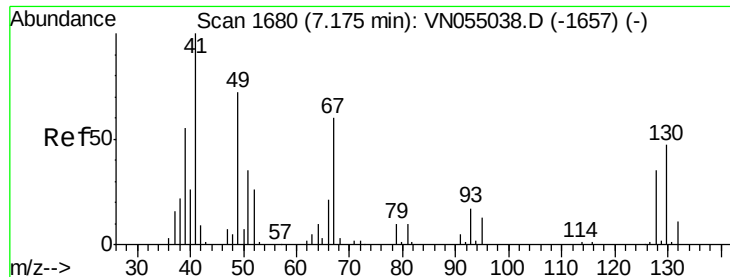
#40
Benzene
Concen: 19.801 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion: 78 Resp: 351166
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

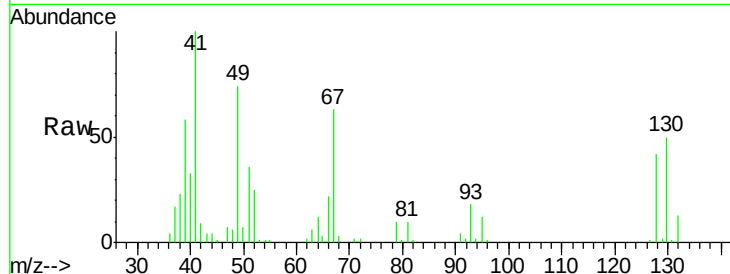




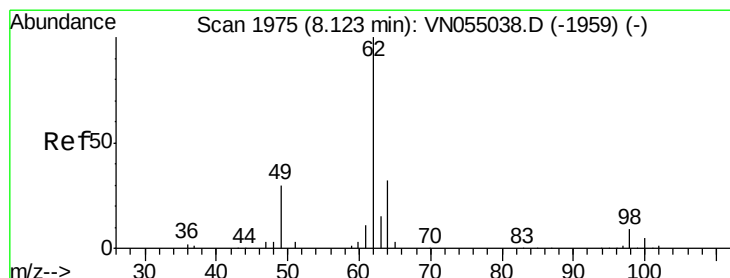
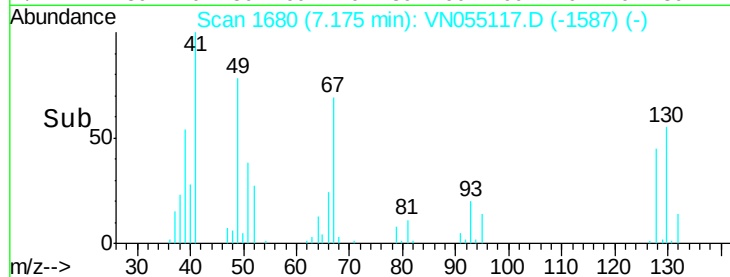
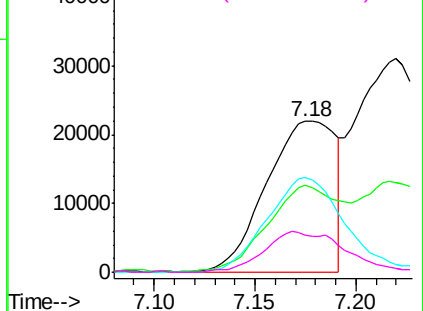
#41
Methacrylonitrile
Concen: 19.585 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	52082
Ion	Ratio	Lower	Upper
41	100		
39	62.6	45.6	68.4
67	72.0	57.0	85.6
52	31.8	23.6	35.4

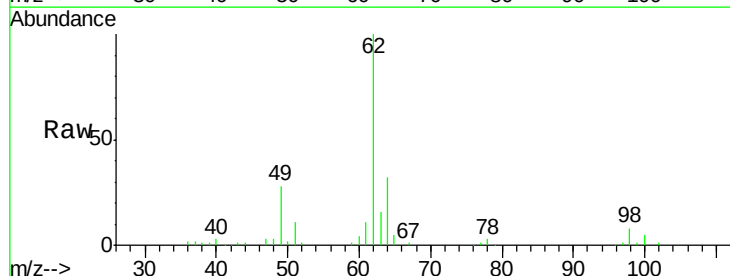


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

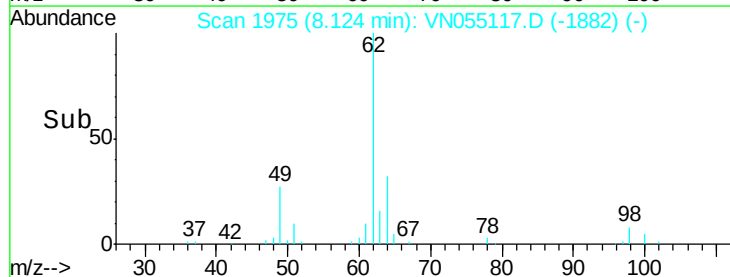
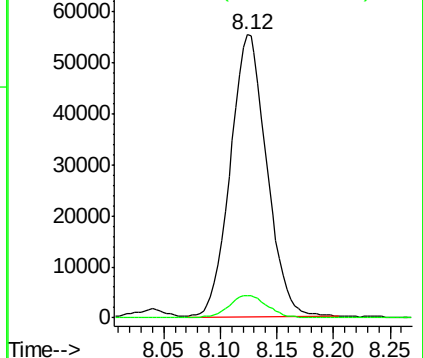


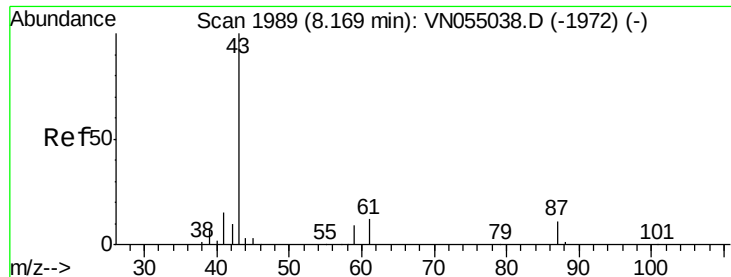
#42
1,2-Dichloroethane
Concen: 20.108 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion:	62	Resp:	123818
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.4



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





#43

Isopropyl Acetate

Concen: 21.377 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

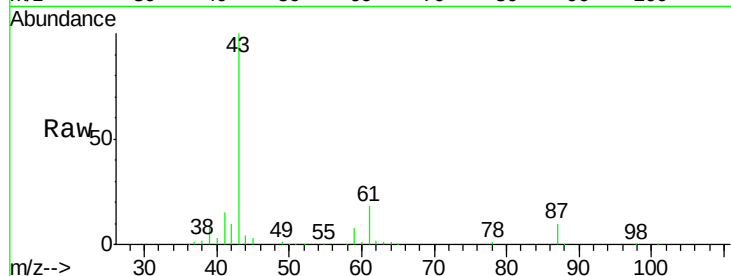
Tot Ion: 43 Resp: 157799

Ion Ratio Lower Upper

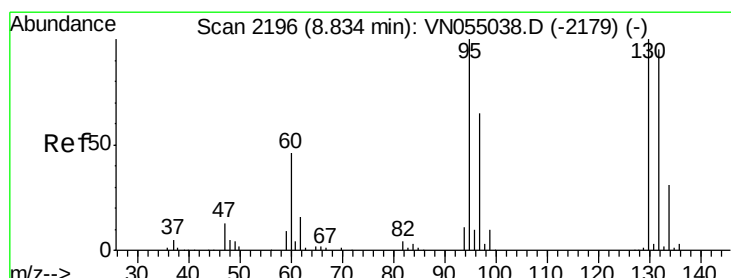
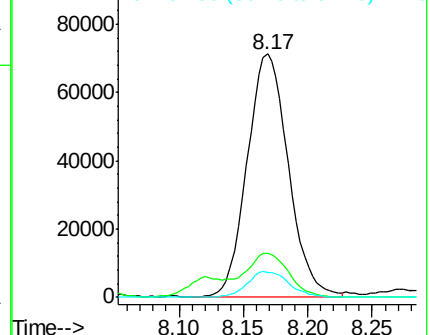
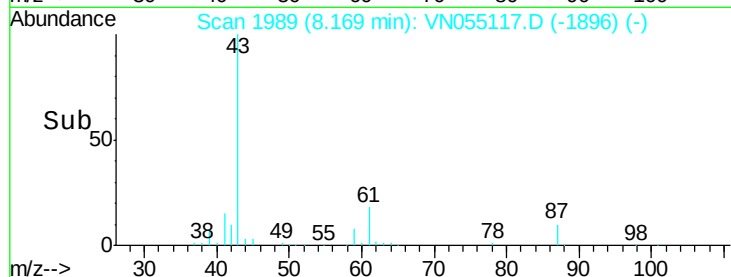
43 100

61 18.4 14.3 21.5

87 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055117.D (-1896) (-)



#44

Trichloroethene

Concen: 20.023 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055117.D

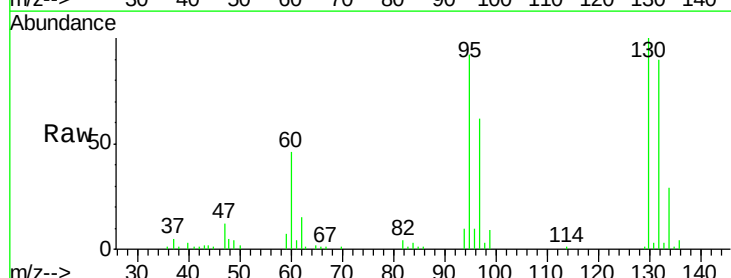
Acq: 18 Apr 2019 11:13

Tgt Ion:130 Resp: 88947

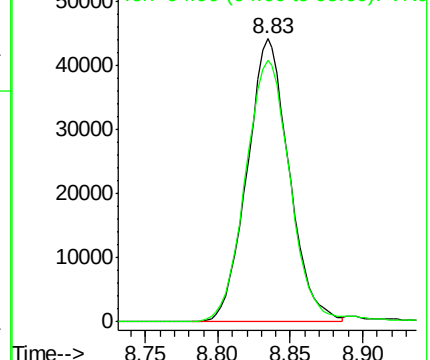
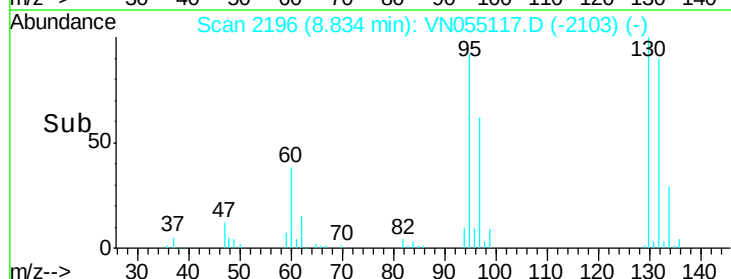
Ion Ratio Lower Upper

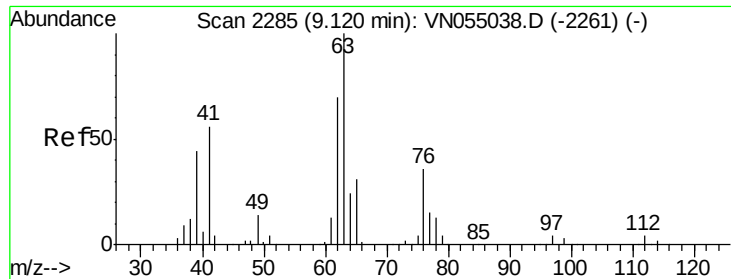
130 100

95 92.3 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055117.D (-2103) (-)

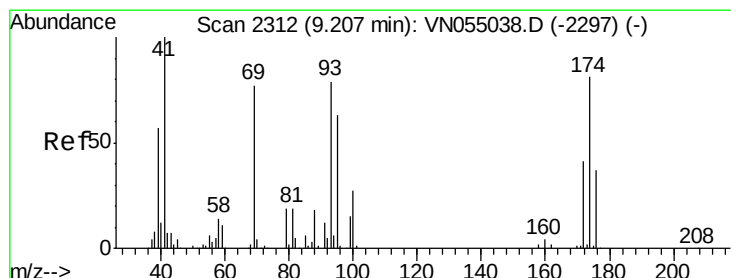
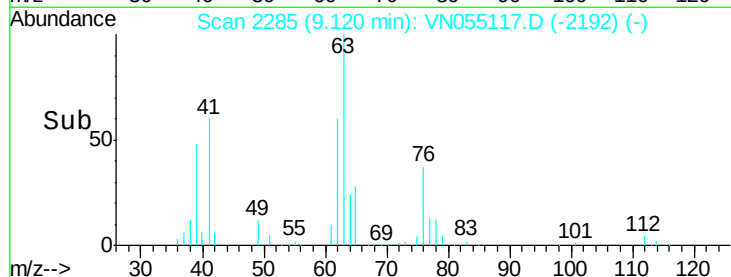
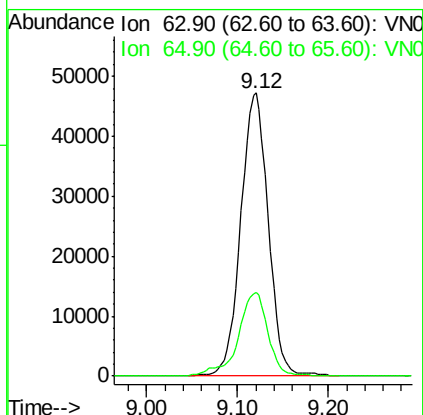
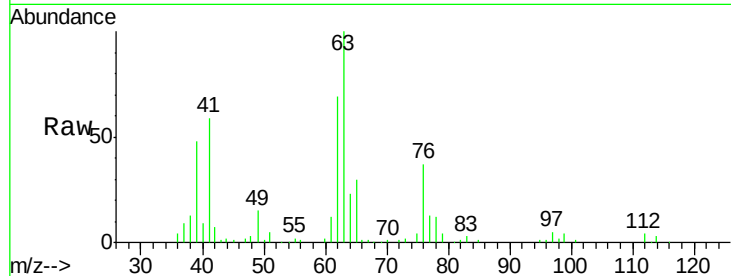




#45
 1,2-Dichloropropane
 Concen: 20.072 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

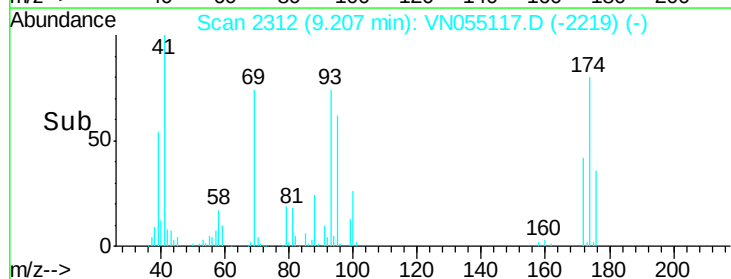
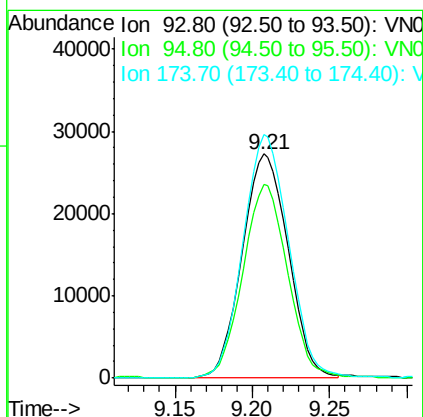
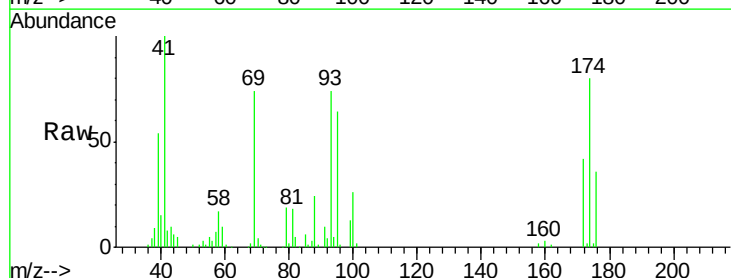
Instrument :
 MSVOA_N
 ClientSampleId :

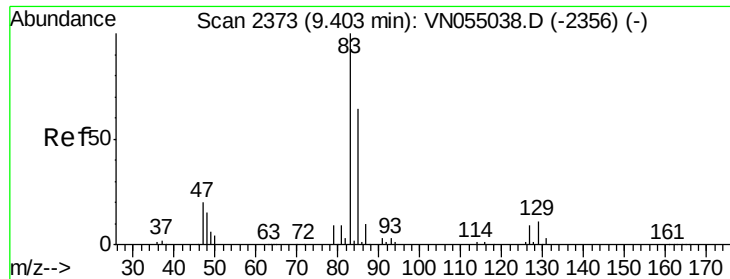
Tot Ion: 63 Resp: 99275
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.4 36.6



#46
 Dibromomethane
 Concen: 20.058 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion: 93 Resp: 56470
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.0 97.6
 174 107.7 81.0 121.6





#47

Bromodichloromethane

Concen: 19.732 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :

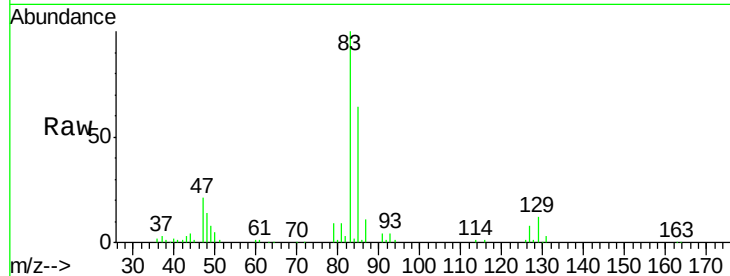
Tot Ion: 83 Resp: 114532

Ion Ratio Lower Upper

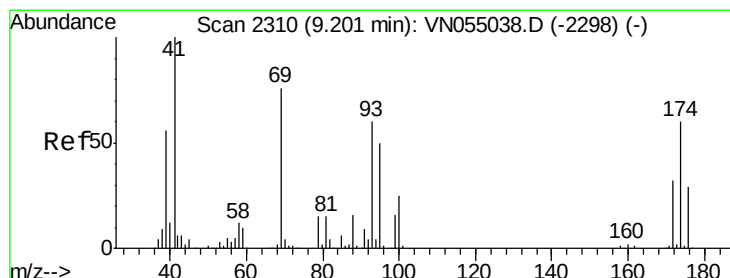
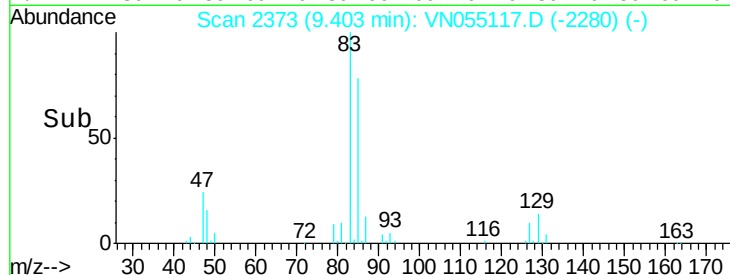
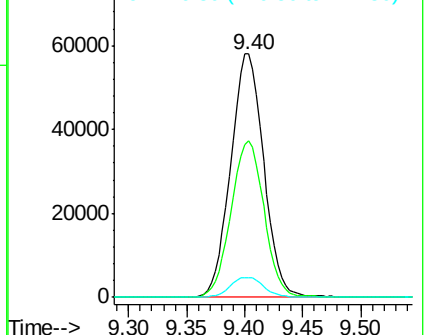
83 100

85 64.3 51.2 76.8

127 8.2 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.141 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

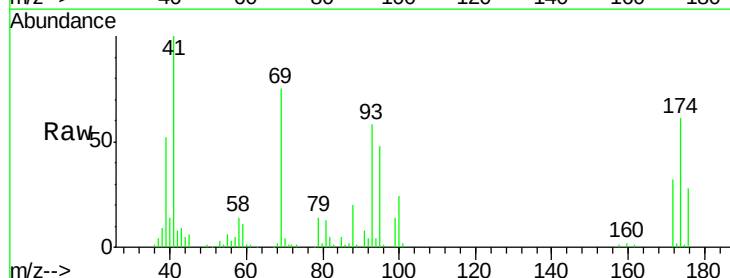
Tgt Ion: 41 Resp: 77351

Ion Ratio Lower Upper

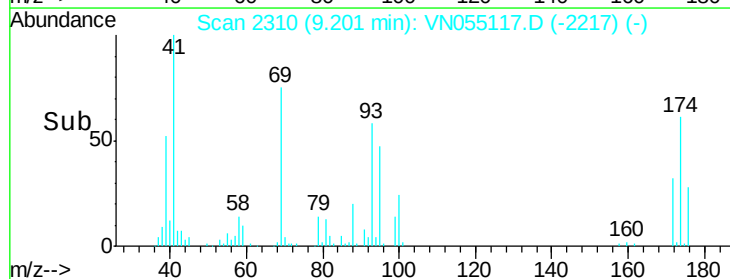
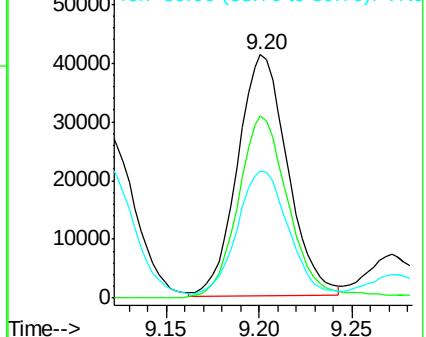
41 100

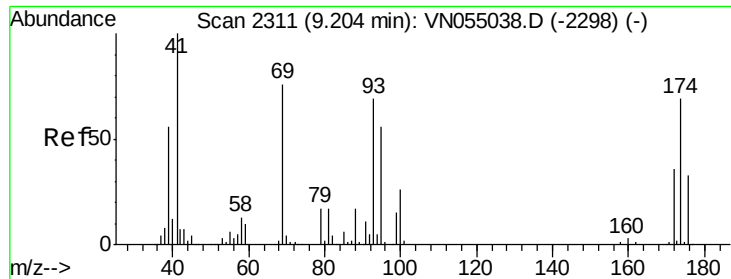
69 76.0 60.5 90.7

39 53.7 43.9 65.9



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





#49

1,4-Dioxane

Concen: 529.250 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :

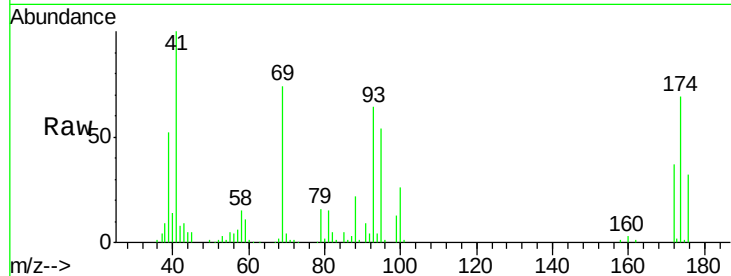
Tot Ion: 88 Resp: 18142

Ion Ratio Lower Upper

88 100

43 35.7 31.8 47.8

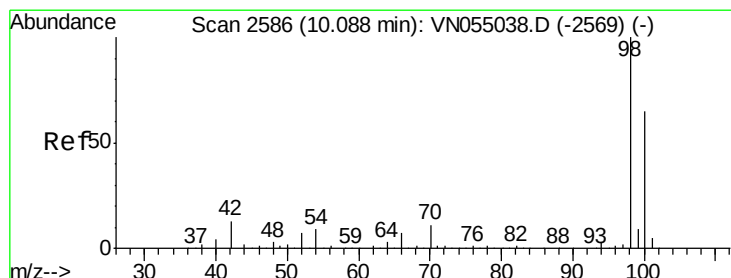
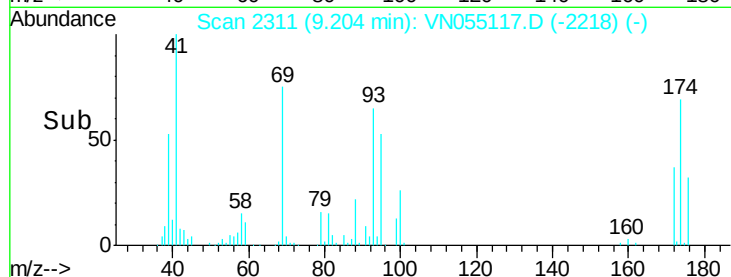
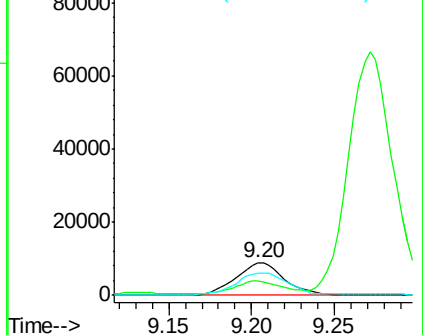
58 74.2 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN055117.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN055117.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN055117.D (-2218) (-)



#50

Toluene-d8

Concen: 50.359 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055117.D

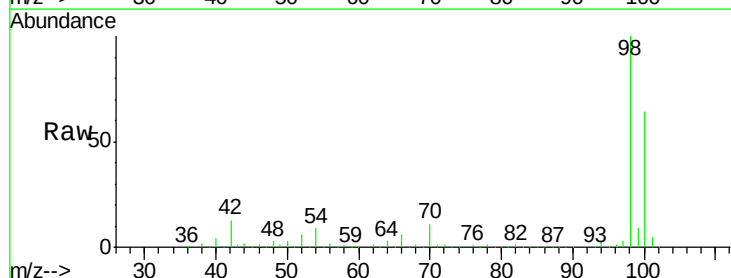
Acq: 18 Apr 2019 11:13

Tgt Ion: 98 Resp: 751910

Ion Ratio Lower Upper

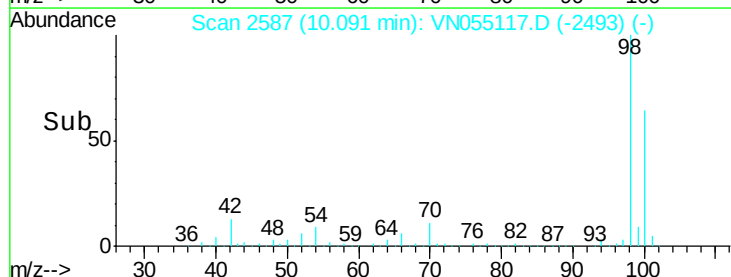
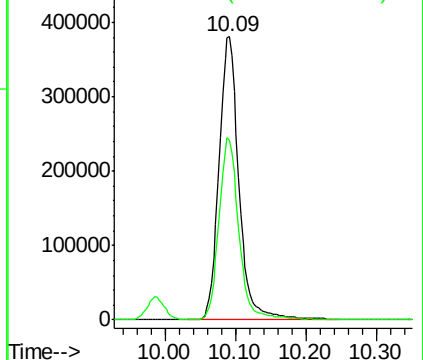
98 100

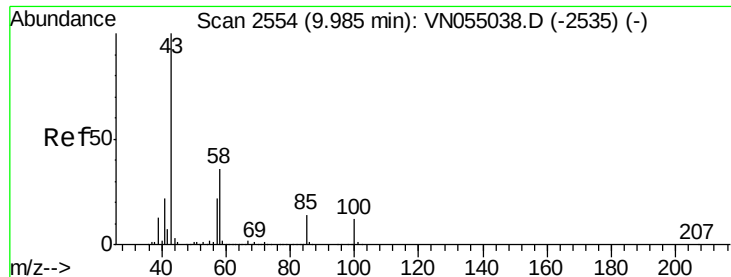
100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055117.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN055117.D (-2493) (-)

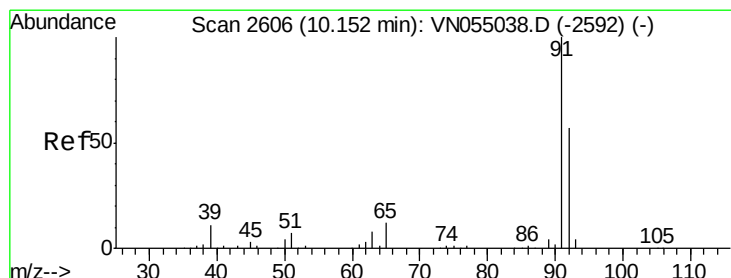
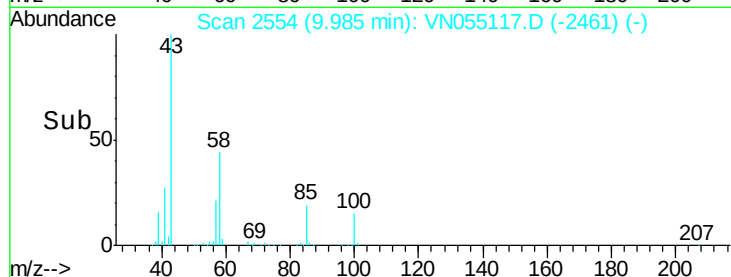
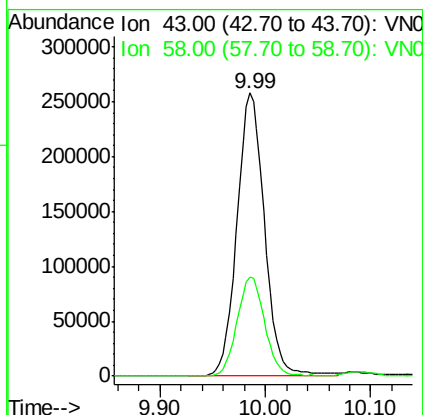
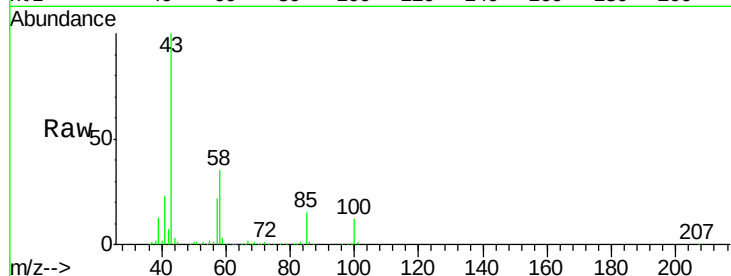




#51
4-Methyl-2-Pentanone
Concen: 109.032 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

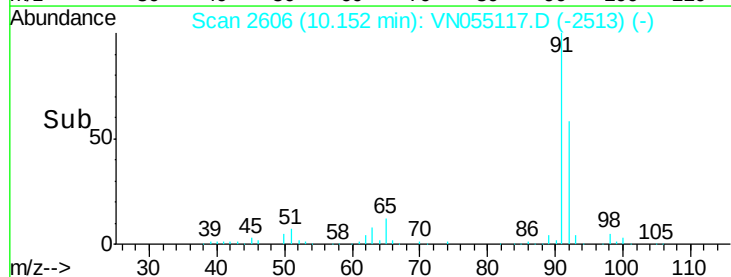
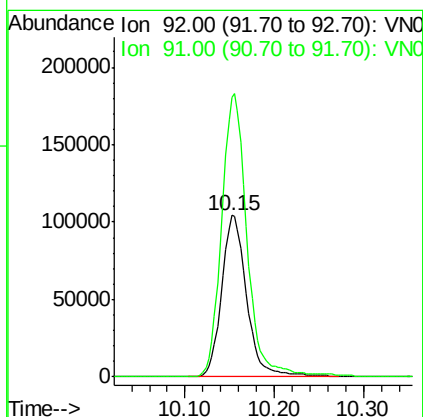
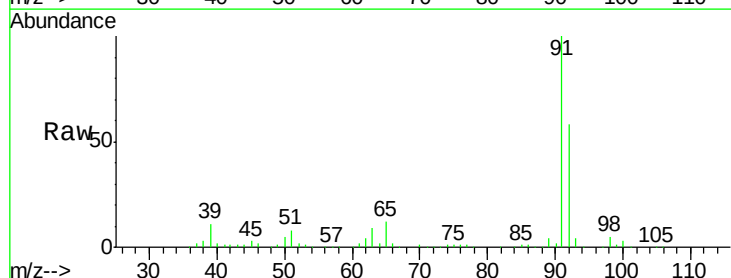
Instrument :
MSVOA_N
ClientSampled :

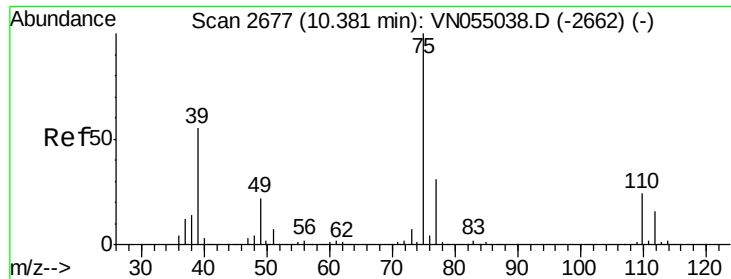
Tot Ion: 43 Resp: 464978
Ion Ratio Lower Upper
43 100
58 35.3 29.0 43.4



#52
Toluene
Concen: 20.043 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion: 92 Resp: 203591
Ion Ratio Lower Upper
92 100
91 178.4 140.8 211.2

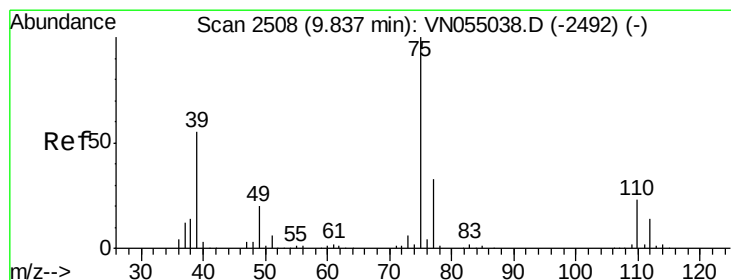
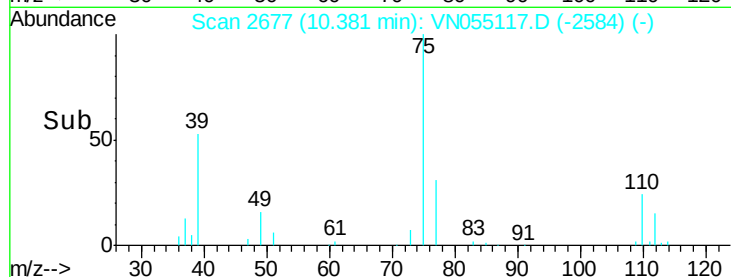
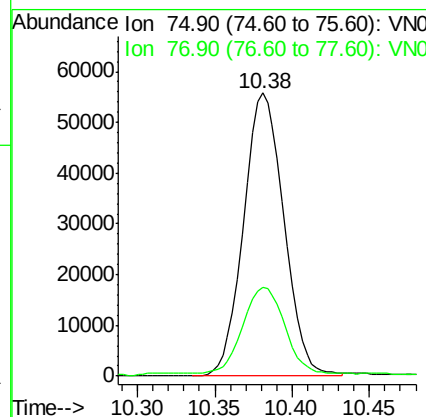
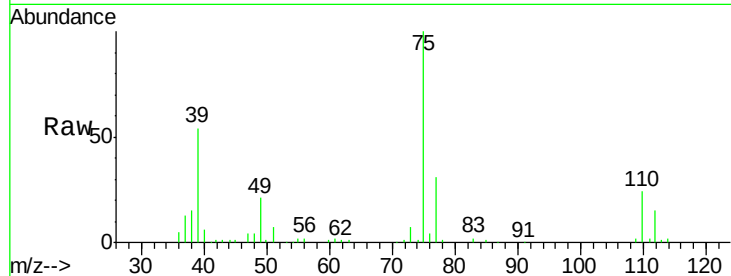




#53
 t-1,3-Dichloropropene
 Concen: 20.007 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

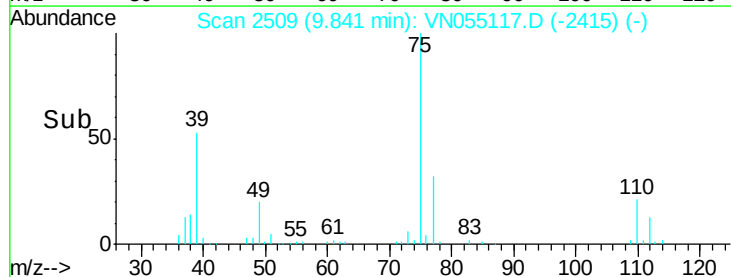
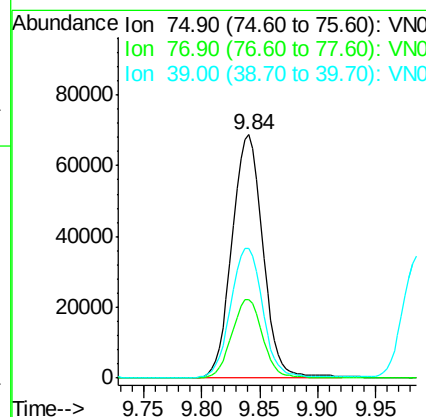
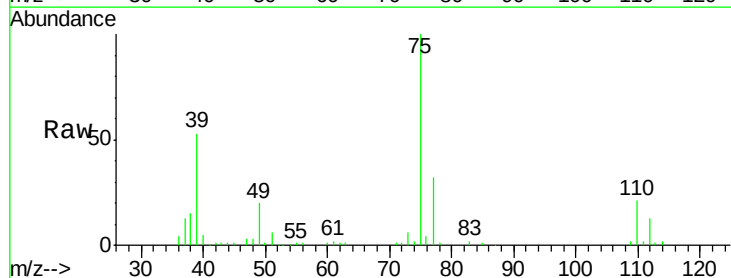
Instrument :
 MSVOA_N
 ClientSampled :

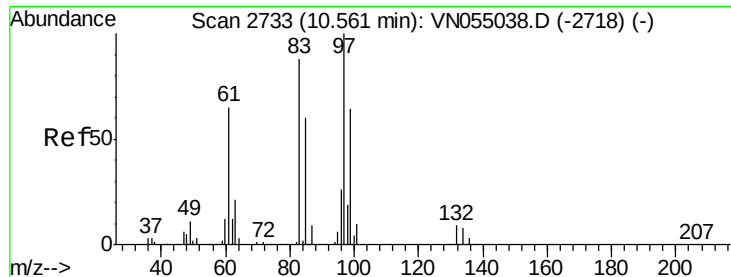
Tot Ion: 75 Resp: 101483
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.260 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion: 75 Resp: 127547
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.8 38.6
 39 52.9 43.8 65.8

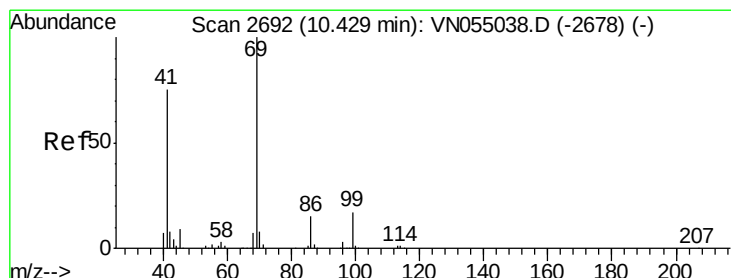
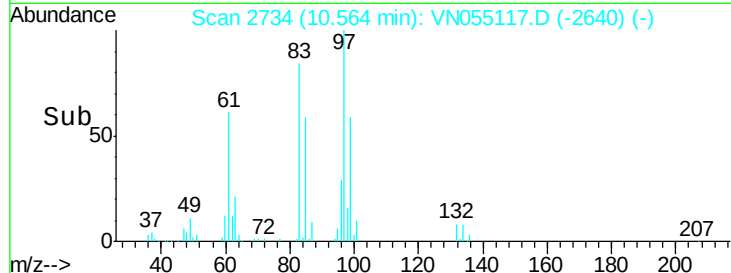
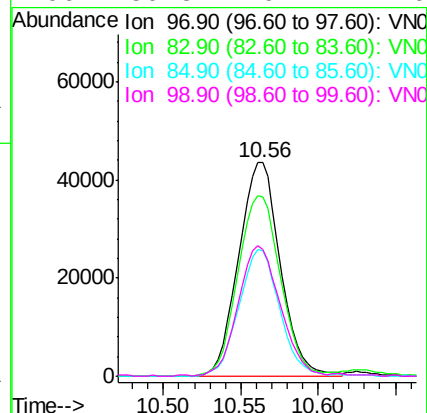
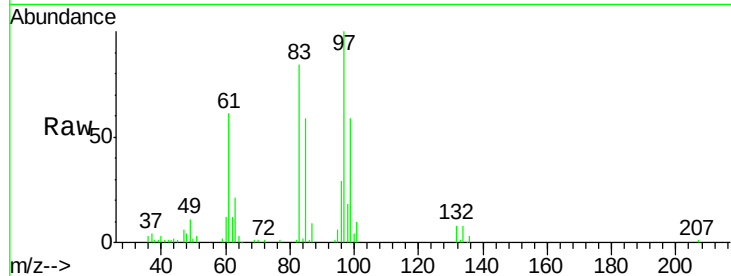




#55
 1,1,2-Trichloroethane
 Concen: 20.867 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

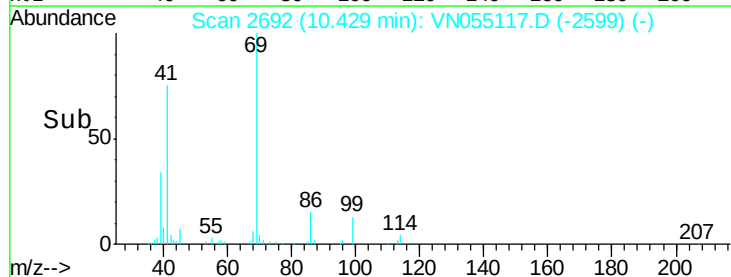
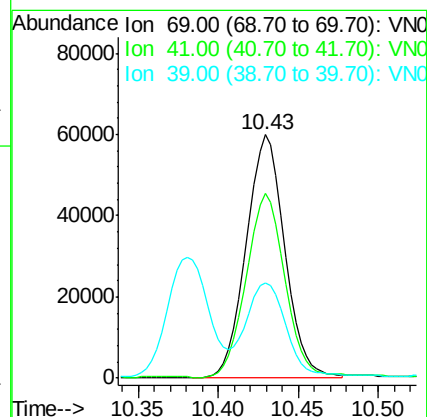
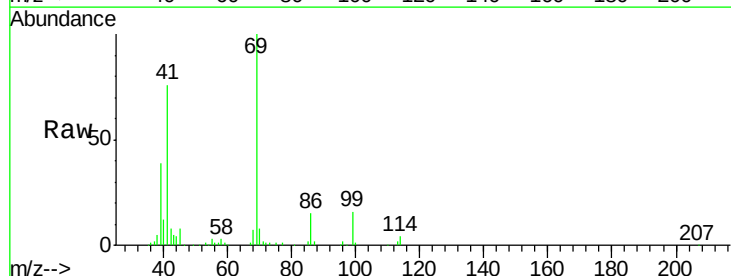
Instrument :
 MSVOA_N
 ClientSampleId :

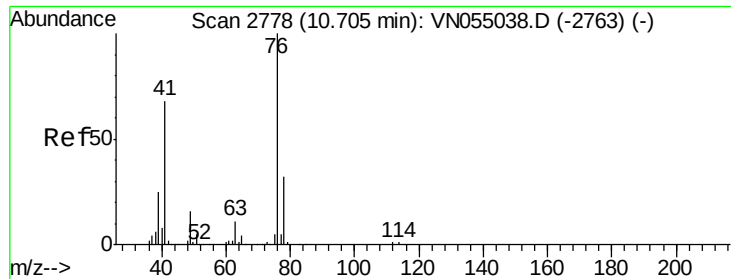
Tot Ion: 97 Resp: 81665
 Ion Ratio Lower Upper
 97 100
 83 84.1 70.5 105.7
 85 58.5 45.5 68.3
 99 59.3 49.4 74.0



#56
 Ethyl methacrylate
 Concen: 21.050 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion: 69 Resp: 98865
 Ion Ratio Lower Upper
 69 100
 41 75.7 61.4 92.0
 39 39.4 30.8 46.2

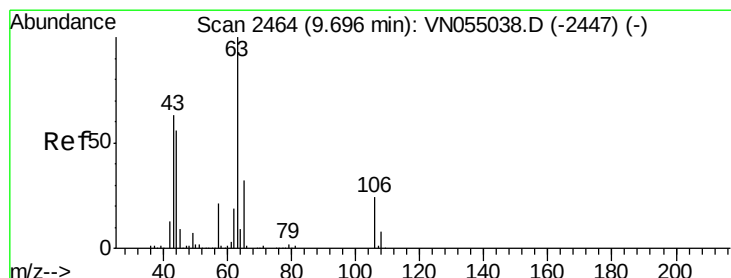
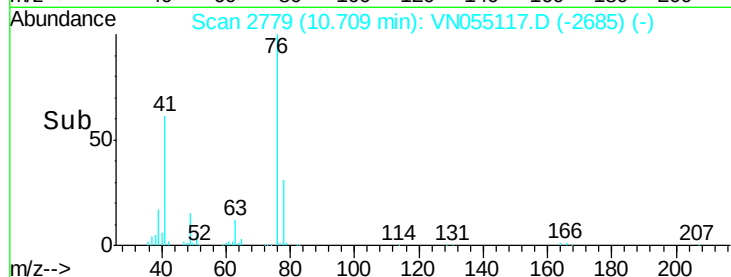
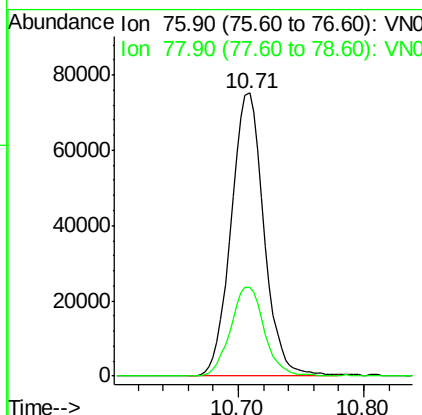
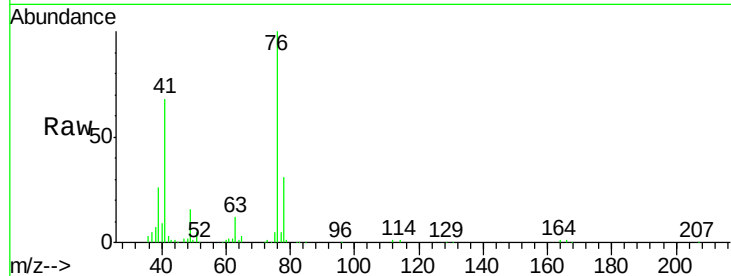




#57
 1,3-Dichloropropane
 Concen: 20.524 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

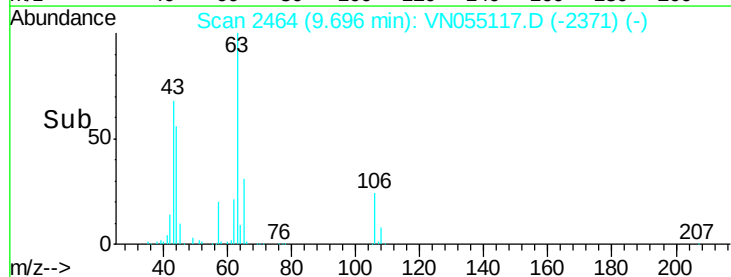
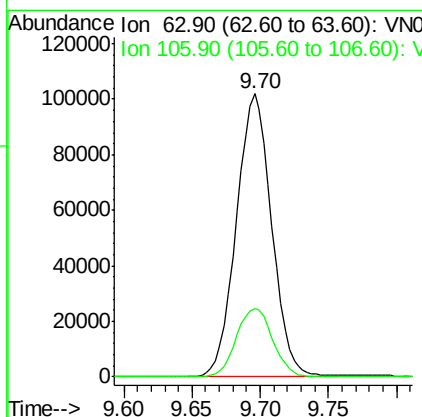
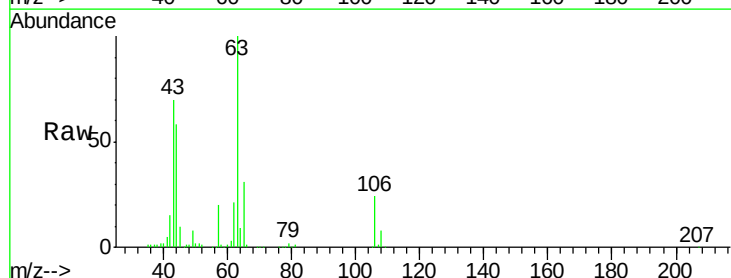
Instrument :
 MSVOA_N
 ClientSampleId :

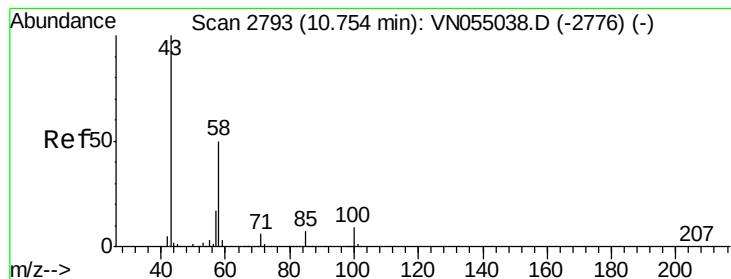
Tot Ion: 76 Resp: 136751
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.808 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion: 63 Resp: 183367
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.0 30.0





#59

2-Hexanone

Concen: 110.749 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

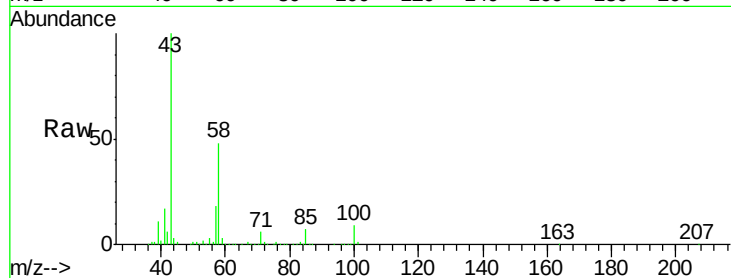
ClientSampleId :

Tot Ion: 43 Resp: 296649

Ion Ratio Lower Upper

43 100

58 48.0 25.1 75.2



Abundance Ion 43.00 (42.70 to 43.70): VN055117.D (-2700) (-)

Ion 58.00 (57.70 to 58.70): VN055117.D (-2700) (-)

10.75

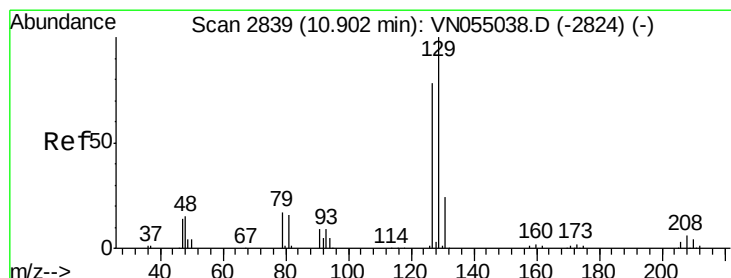
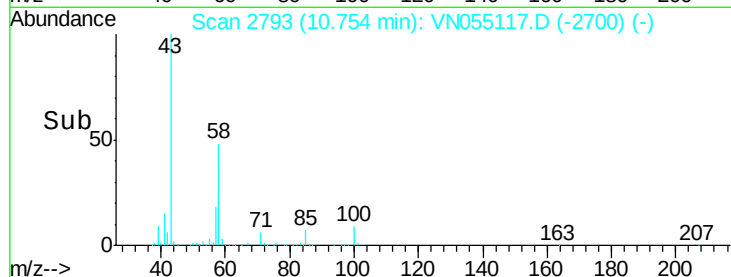
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 20.629 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055117.D

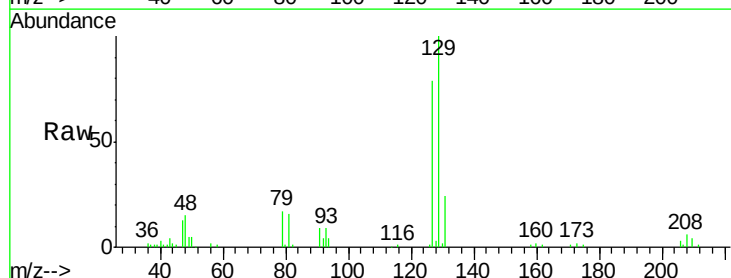
Acq: 18 Apr 2019 11:13

Tgt Ion: 129 Resp: 78832

Ion Ratio Lower Upper

129 100

127 78.8 38.2 114.6



Abundance Ion 128.80 (128.50 to 129.50): VN055117.D (-2746) (-)

Ion 126.80 (126.50 to 127.50): VN055117.D (-2746) (-)

10.90

50000

40000

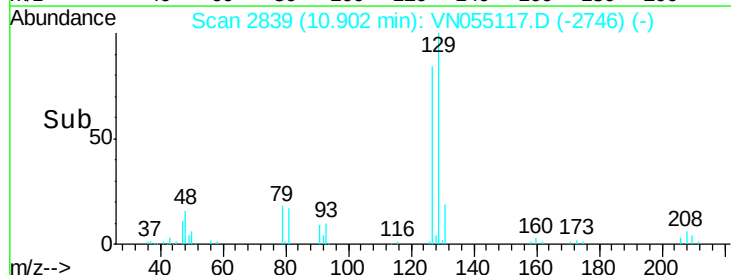
30000

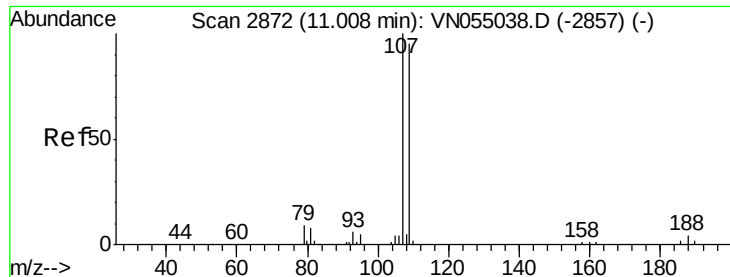
20000

10000

0

Time-->





#61

1,2-Dibromoethane

Concen: 20.537 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

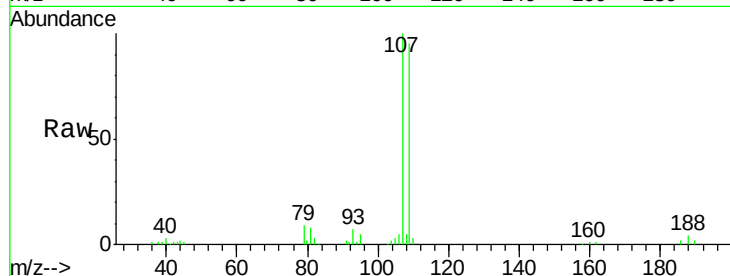
ClientSampleId :

Tot Ion: 107 Resp: 73975

Ion Ratio Lower Upper

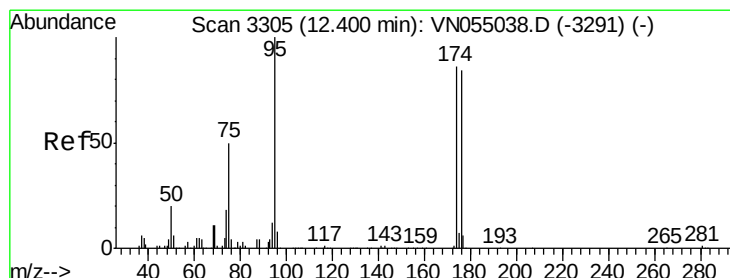
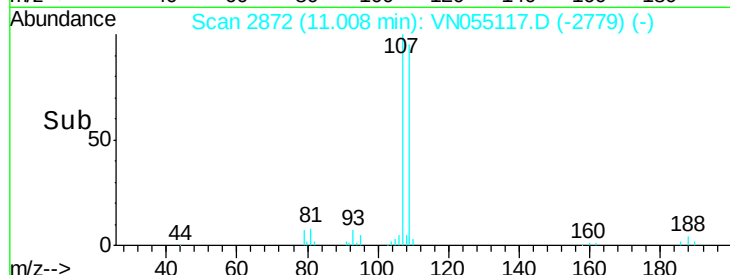
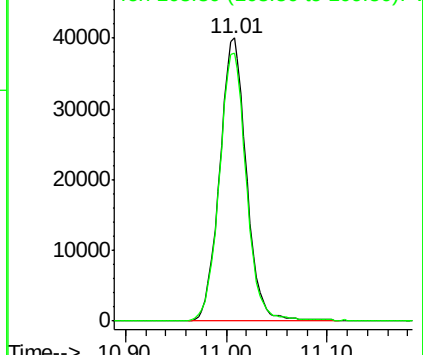
107 100

109 95.5 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.162 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

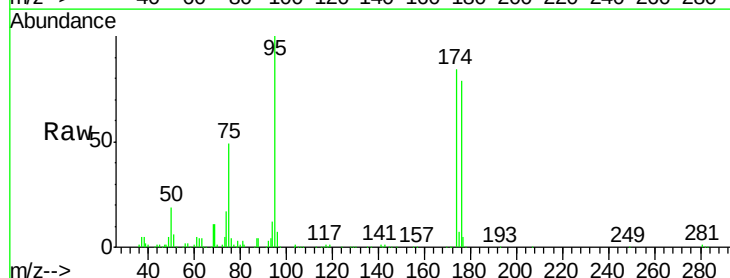
Tgt Ion: 95 Resp: 253197

Ion Ratio Lower Upper

95 100

174 84.7 0.0 174.4

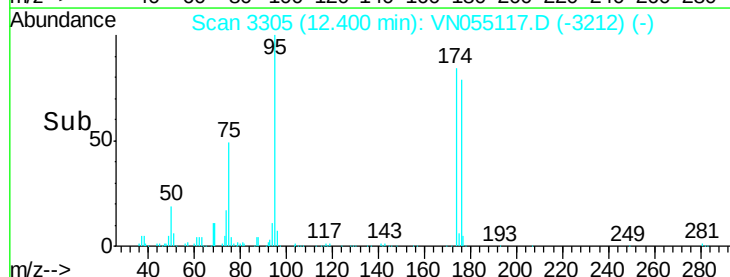
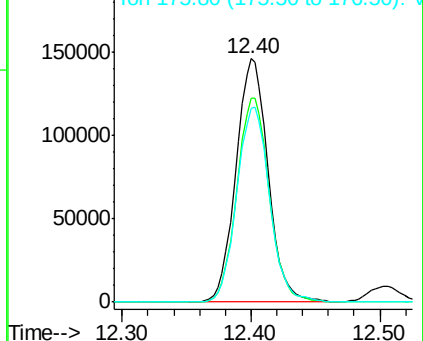
176 81.8 0.0 166.8

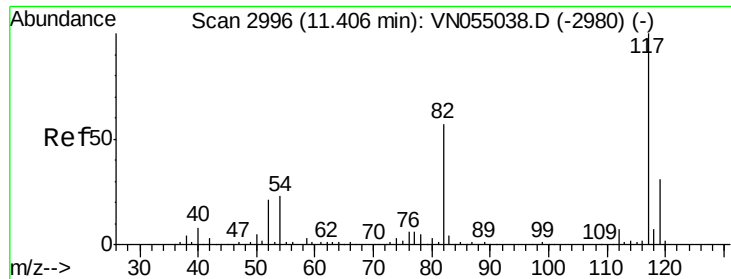


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

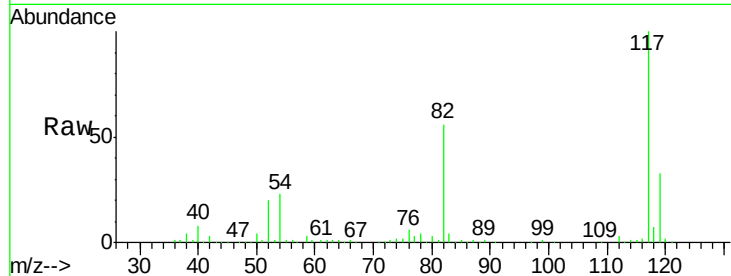




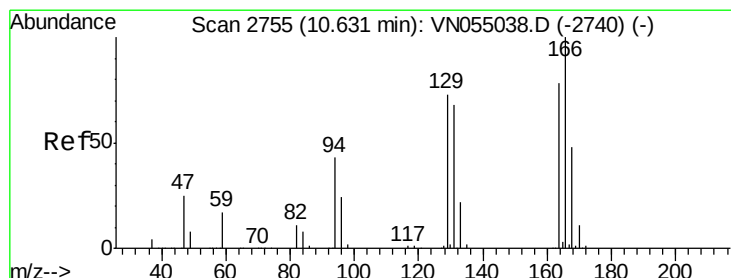
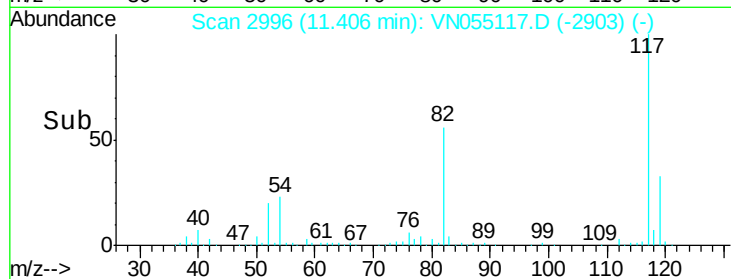
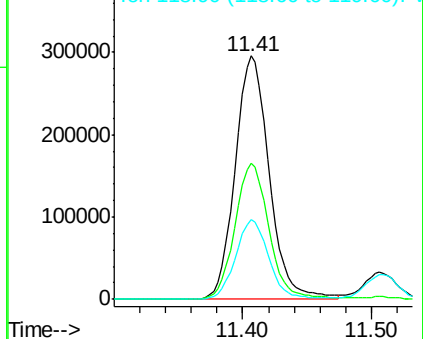
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 542526
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 32.7 25.5 38.3

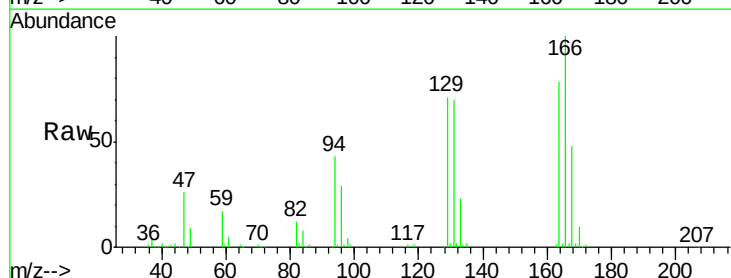


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

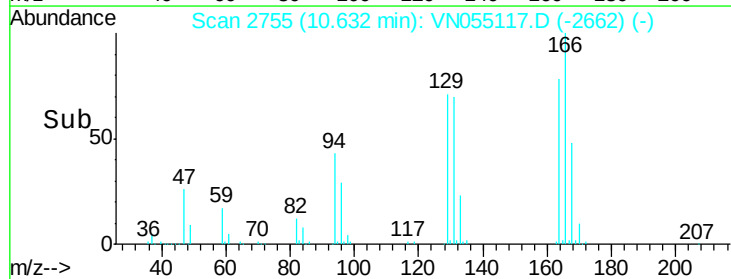
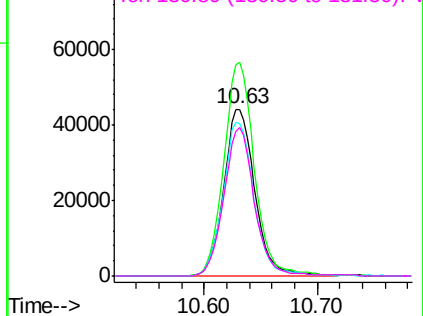


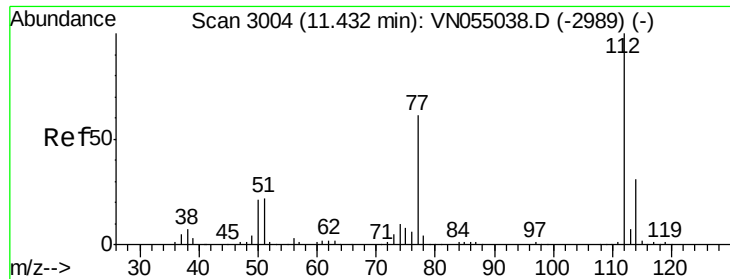
#64
Tetrachloroethene
Concen: 19.125 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion:164 Resp: 84374
Ion Ratio Lower Upper
164 100
166 128.1 100.0 150.0
129 91.4 72.0 108.0
131 89.0 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

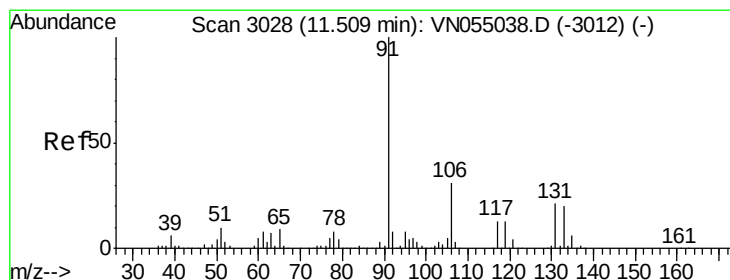
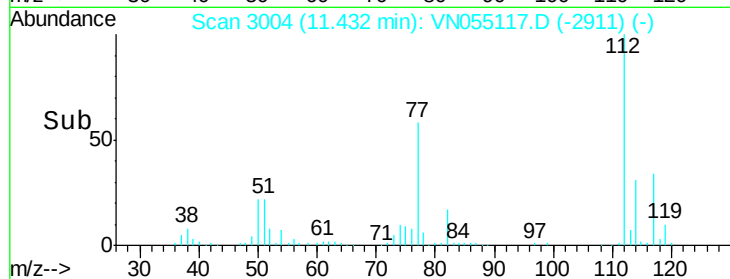
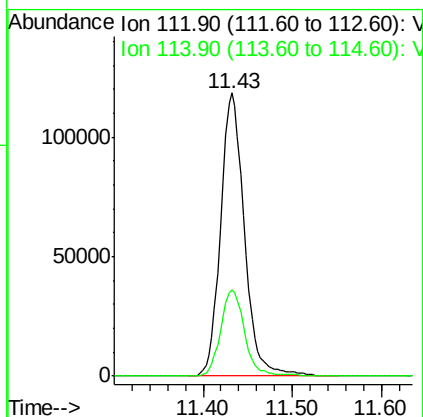
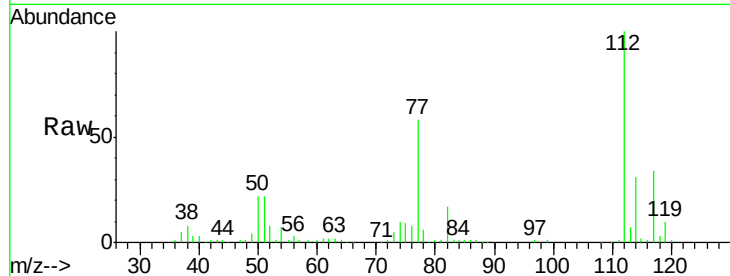




#65
Chlorobenzene
Concen: 20.039 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

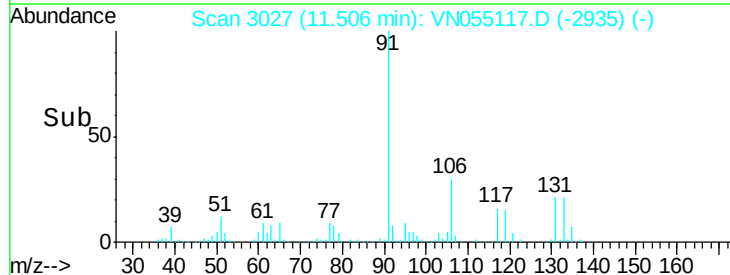
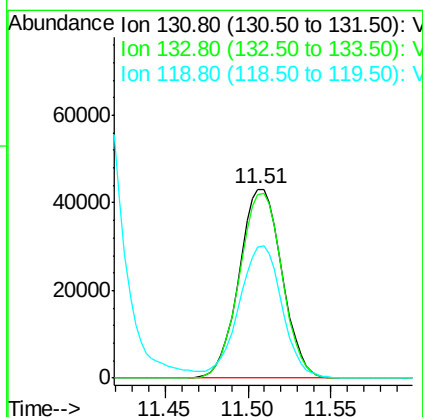
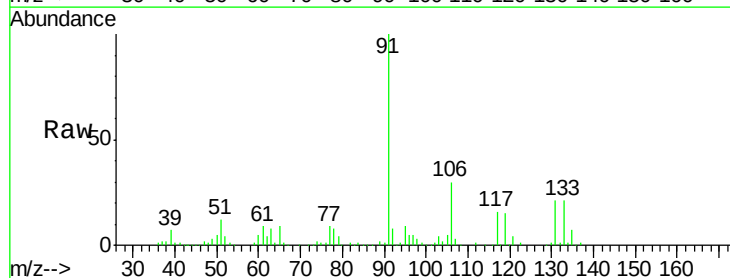
Instrument :
MSVOA_N
ClientSampled :

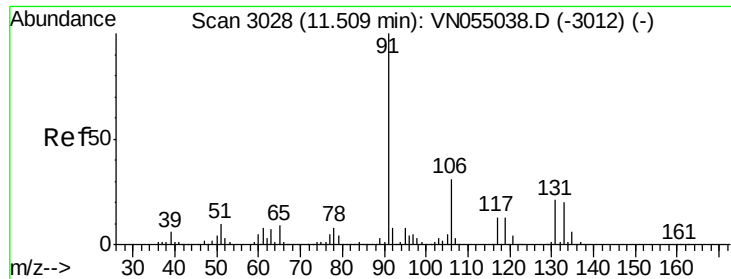
Tot Ion:112 Resp: 218836
Ion Ratio Lower Upper
112 100
114 30.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.254 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion:131 Resp: 77334
Ion Ratio Lower Upper
131 100
133 97.8 47.8 143.3
119 71.0 33.6 100.6

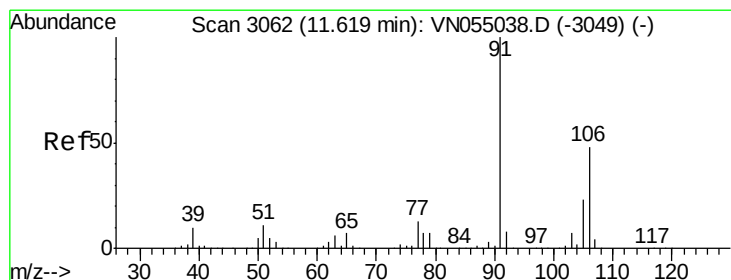
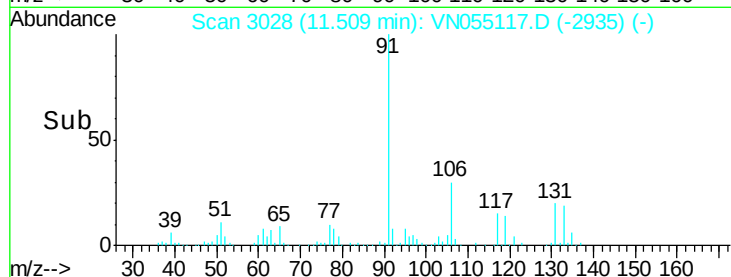
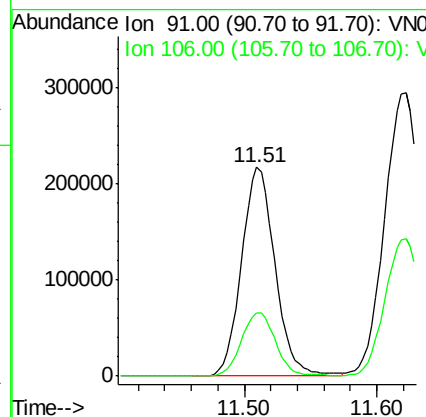
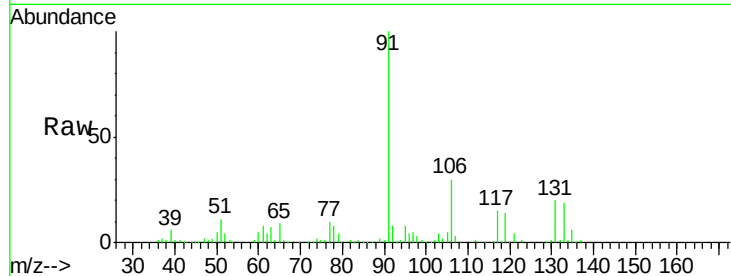




#67
Ethyl Benzene
Concen: 19.546 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

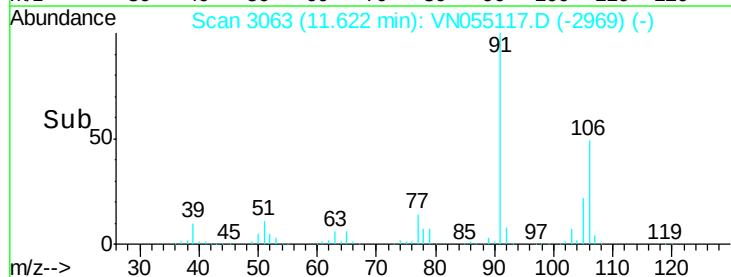
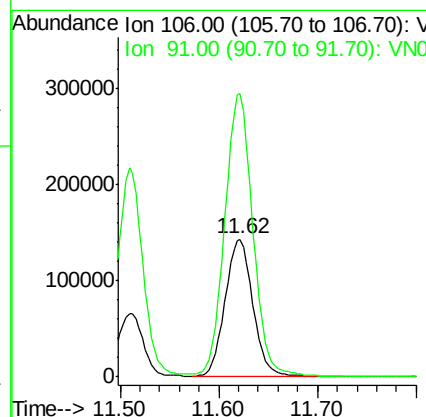
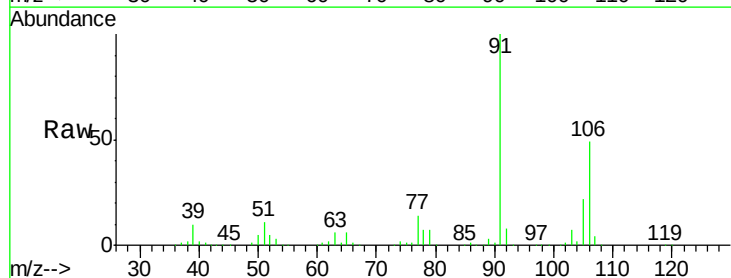
Instrument :
MSVOA_N
ClientSampleId :

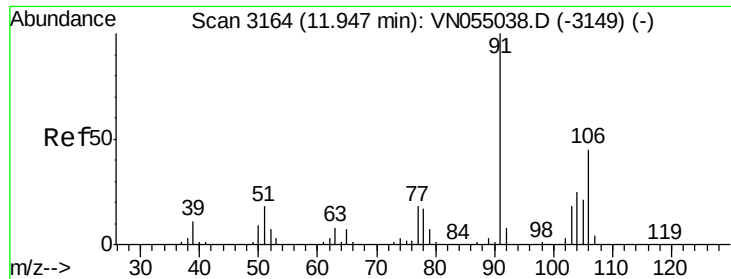
Tot Ion: 91 Resp: 381180
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5



#68
m/p-Xylenes
Concen: 40.254 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion: 106 Resp: 284273
Ion Ratio Lower Upper
106 100
91 206.7 165.9 248.9

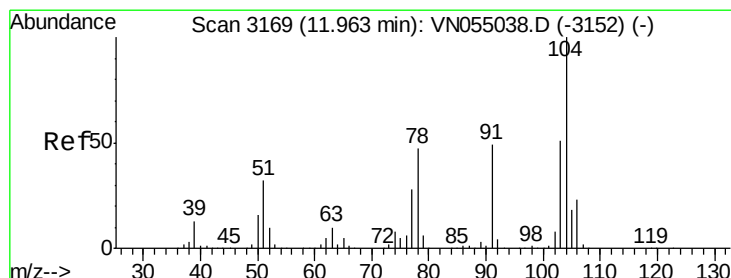
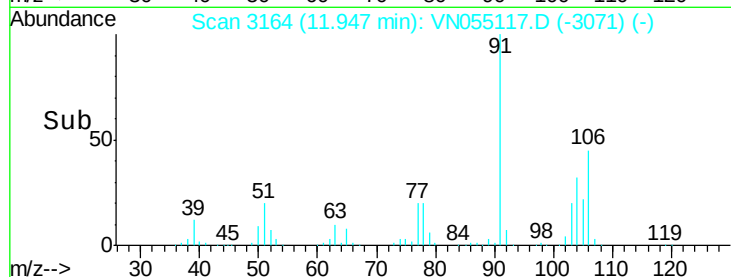
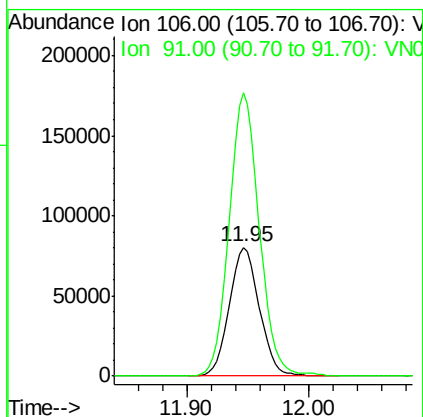
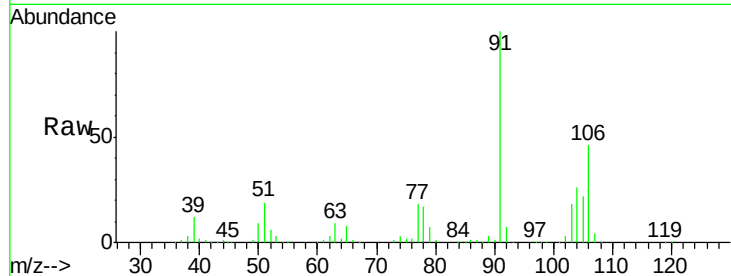




#69
o-Xylene
Concen: 20.231 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

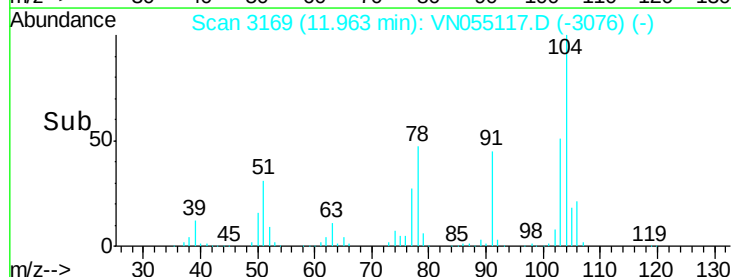
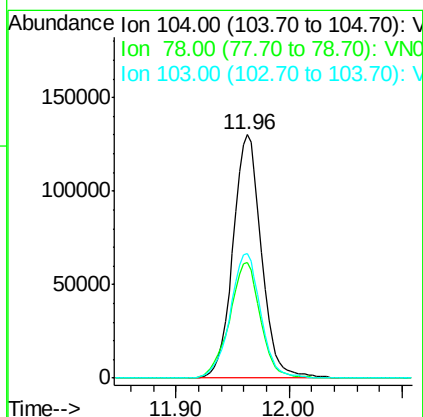
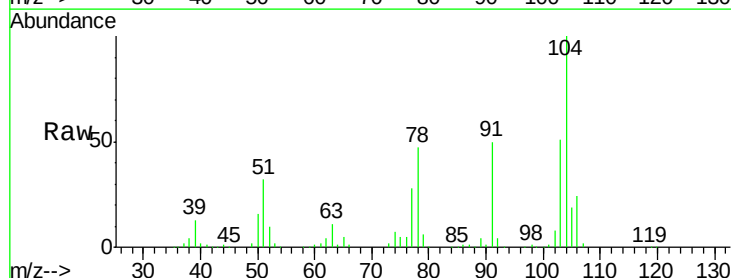
Instrument :
MSVOA_N
ClientSampleId :

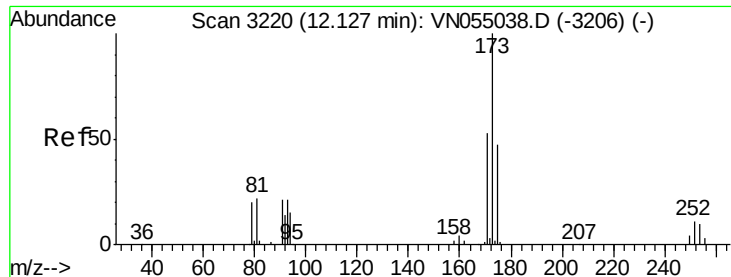
Tot Ion:106 Resp: 138378
Ion Ratio Lower Upper
106 100
91 219.6 109.9 329.8



#70
Styrene
Concen: 20.614 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion:104 Resp: 228230
Ion Ratio Lower Upper
104 100
78 51.9 40.3 60.5
103 55.0 44.3 66.5





#71

Bromoform

Concen: 21.242 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

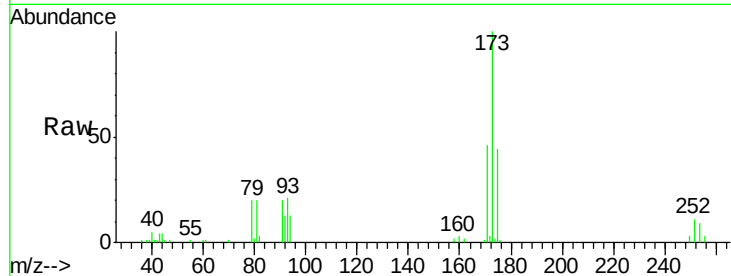
Tot Ion:173 Resp: 48904

Ion Ratio Lower Upper

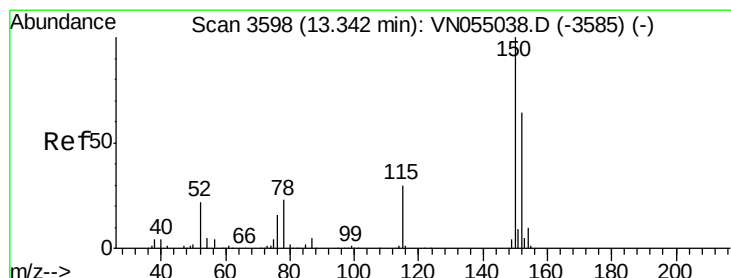
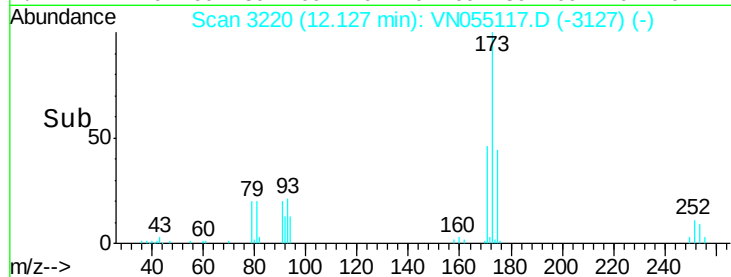
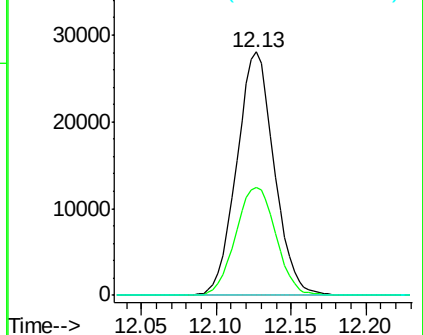
173 100

175 47.6 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: VN055117.D

Acq: 18 Apr 2019 11:13

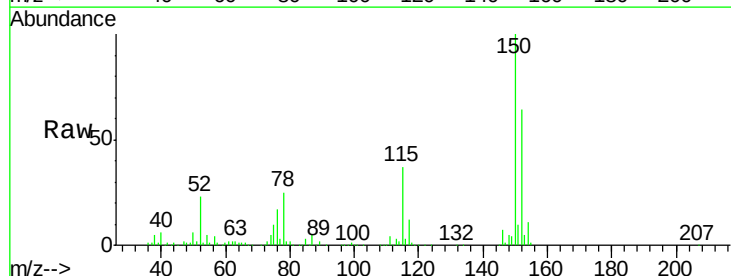
Tgt Ion:152 Resp: 219812

Ion Ratio Lower Upper

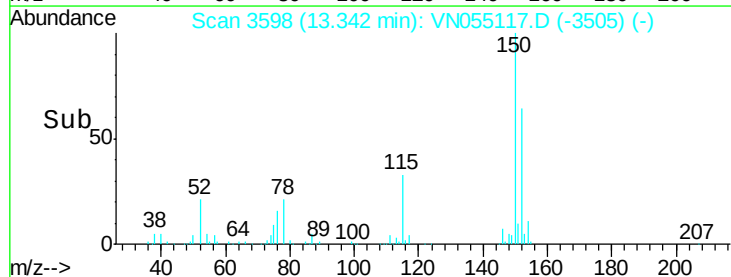
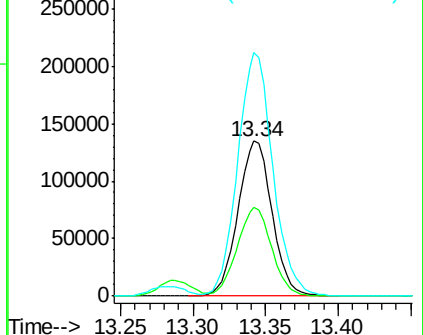
152 100

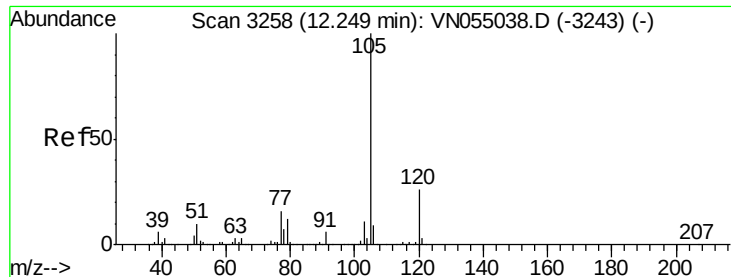
115 57.6 28.5 85.6

150 162.9 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: 19.137 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

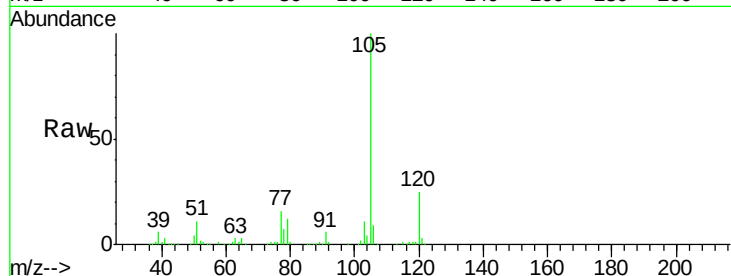
ClientSampleId :

Tot Ion:105 Resp: 373273

Ion Ratio Lower Upper

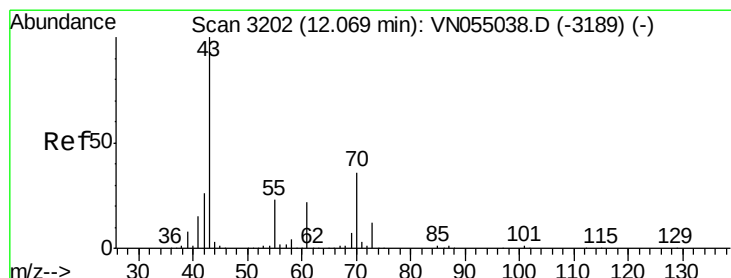
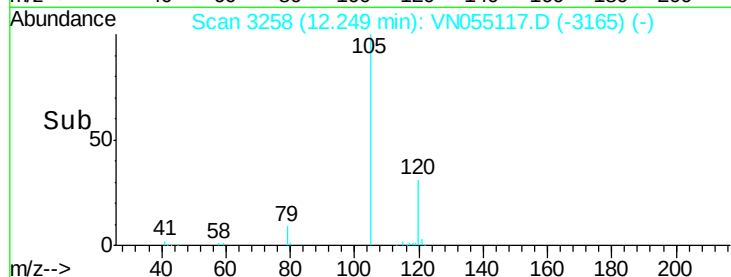
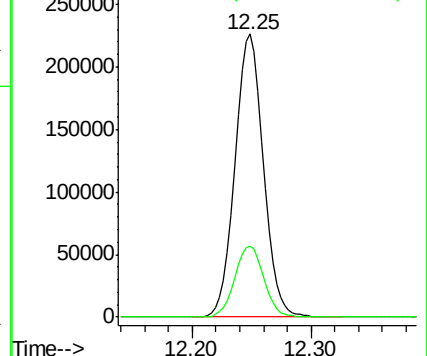
105 100

120 25.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 21.173 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Tgt Ion: 43 Resp: 116255

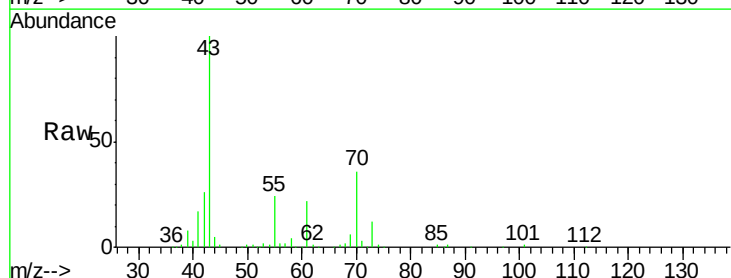
Ion Ratio Lower Upper

43 100

70 36.3 29.4 44.0

55 24.3 19.0 28.4

61 22.0 17.7 26.5

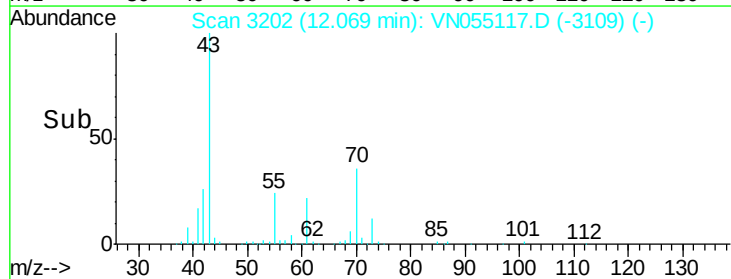
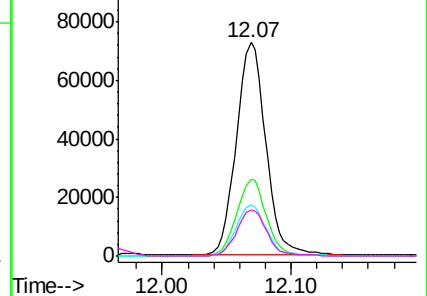


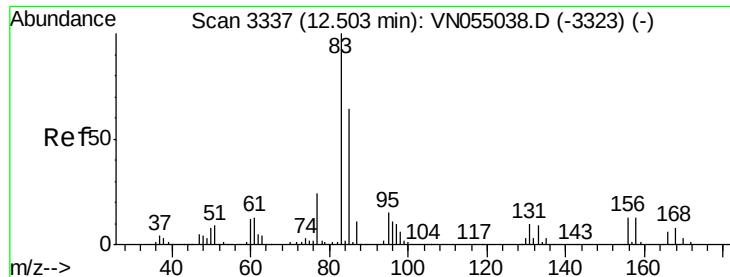
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.381 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampled :

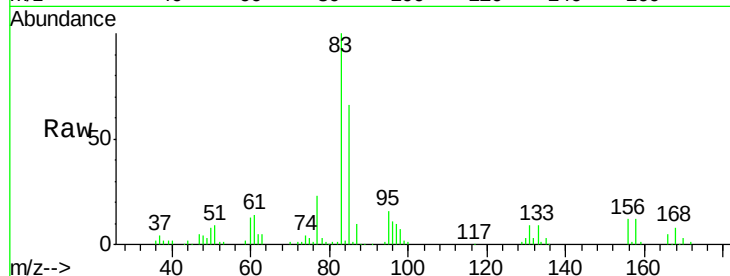
Tot Ion: 83 Resp: 101157

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

85 65.4 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN055117.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN055117.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN055117.D (-3244) (-)

12.50

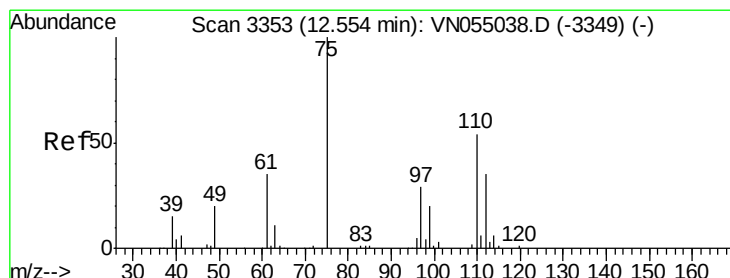
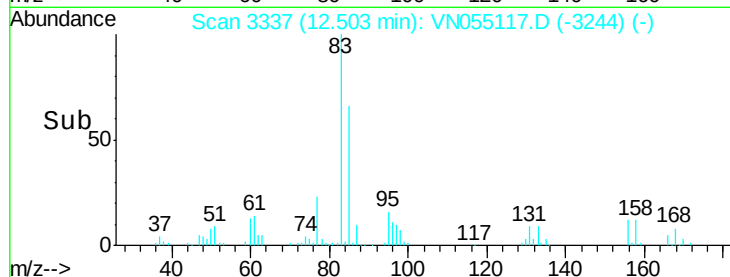
60000

40000

20000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 29.298 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055117.D

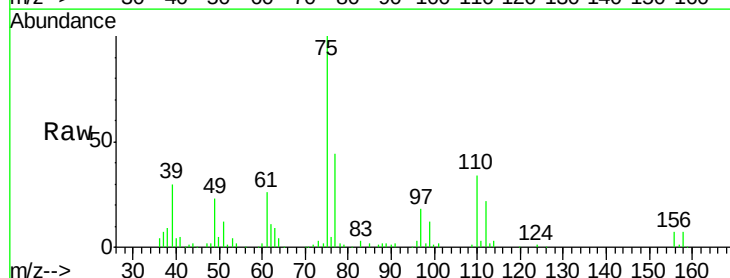
Acq: 18 Apr 2019 11:13

Tgt Ion: 75 Resp: 115808

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055117.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055117.D (-3260) (-)

100000

80000

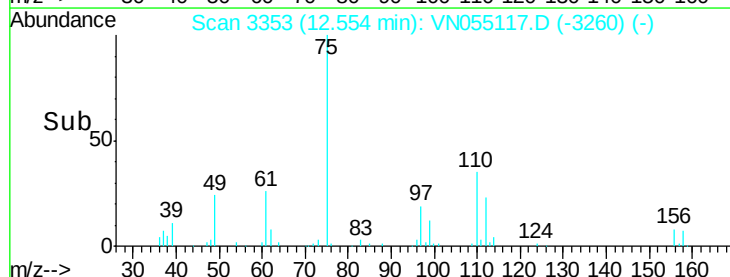
60000

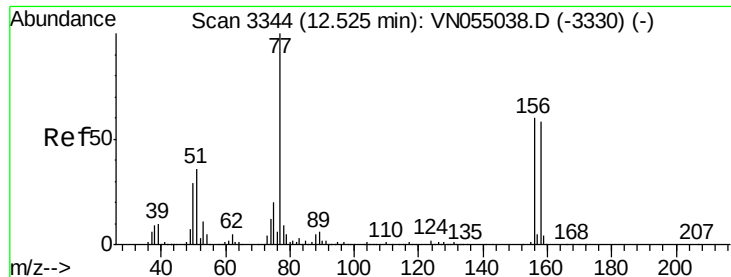
40000

20000

0

Time-->





#77

Bromobenzene

Concen: 18.534 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampled :

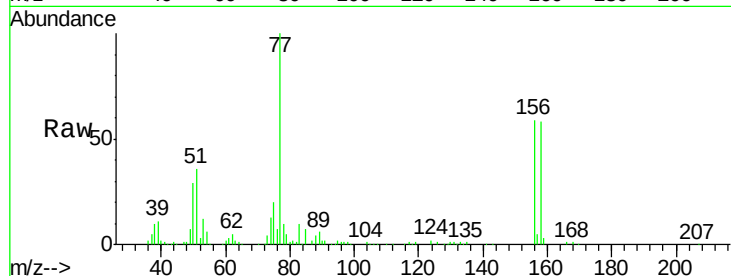
Tot Ion:156 Resp: 90126

Ion Ratio Lower Upper

156 100

77 197.3 97.2 291.5

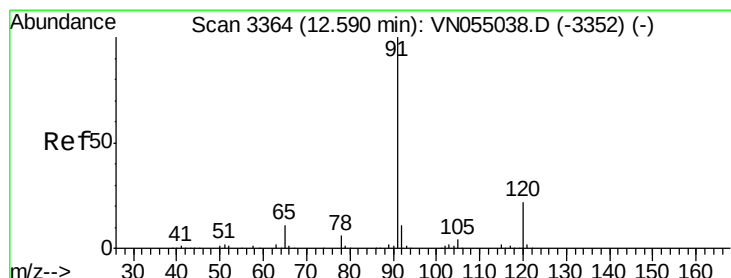
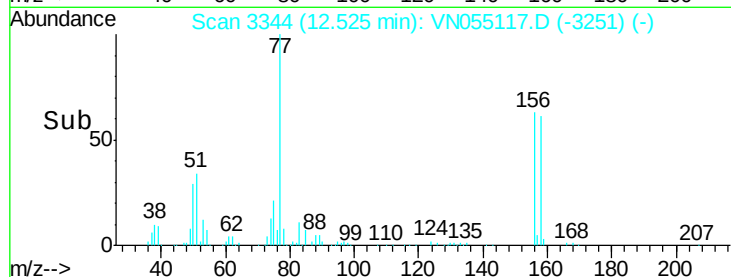
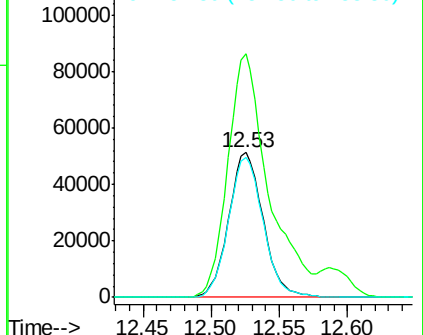
158 96.9 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.166 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055117.D

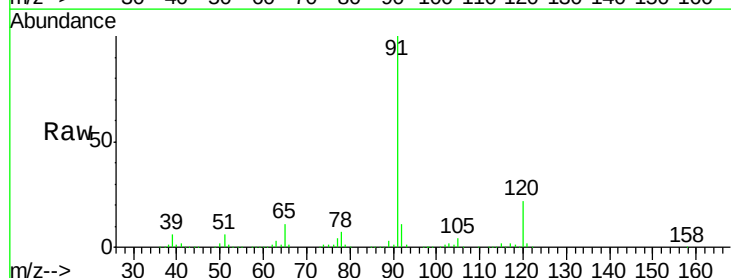
Acq: 18 Apr 2019 11:13

Tgt Ion: 91 Resp: 403909

Ion Ratio Lower Upper

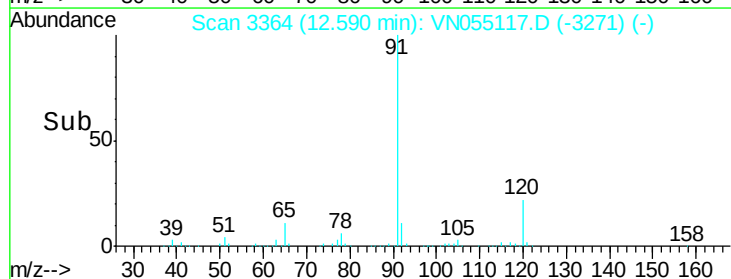
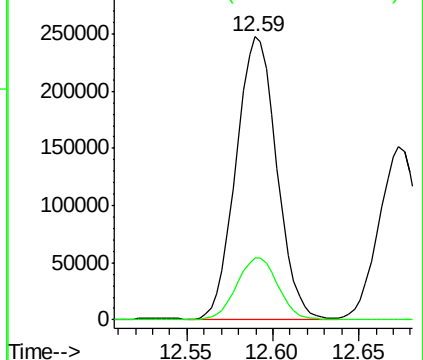
91 100

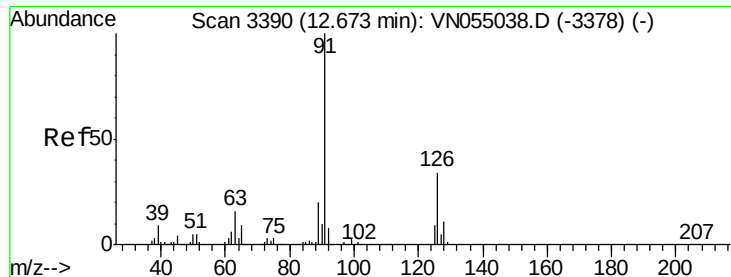
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.228 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

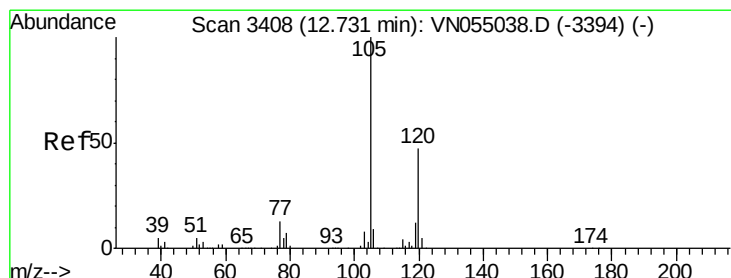
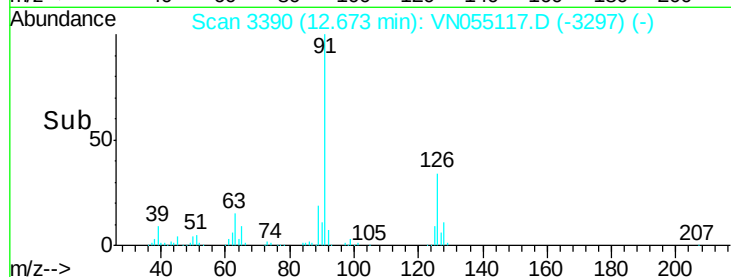
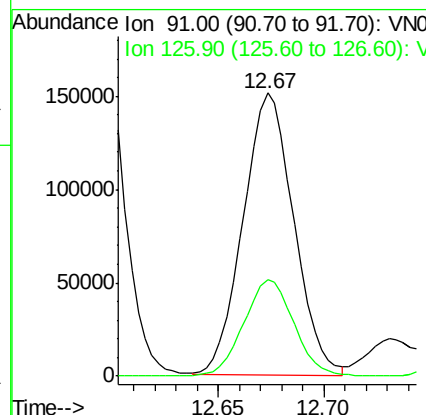
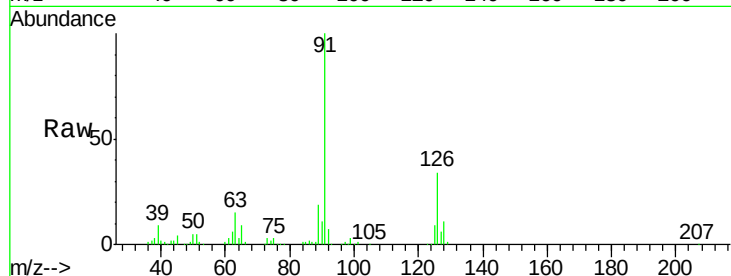
ClientSampled :

Tot Ion: 91 Resp: 252742

Ion Ratio Lower Upper

91 100

126 33.9 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 19.463 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055117.D

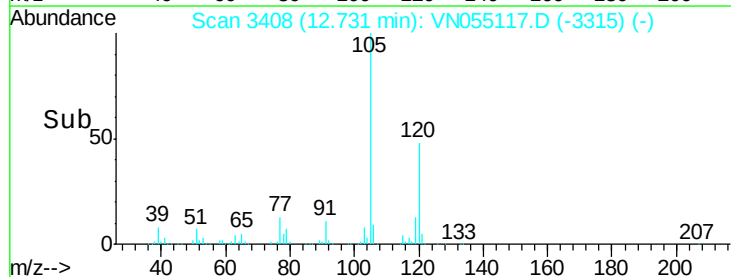
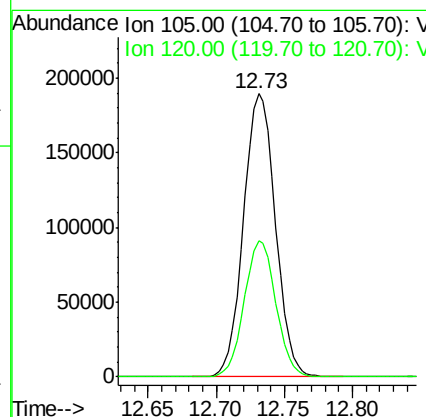
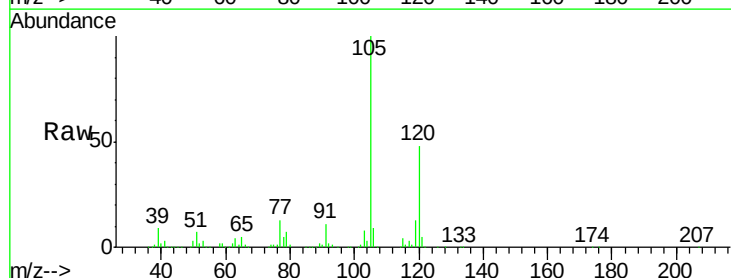
Acq: 18 Apr 2019 11:13

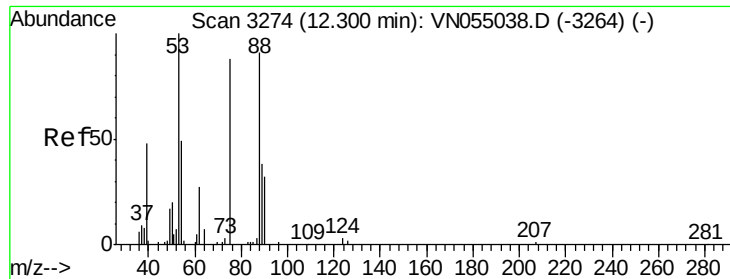
Tgt Ion:105 Resp: 306360

Ion Ratio Lower Upper

105 100

120 47.9 24.3 72.8

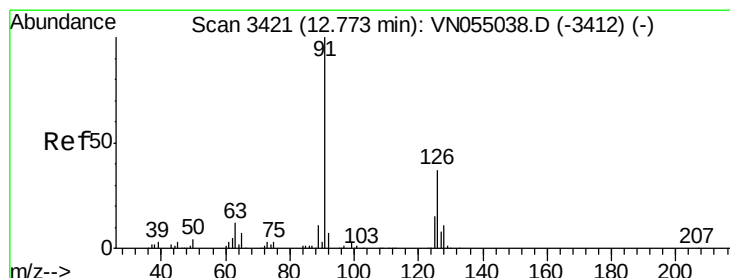
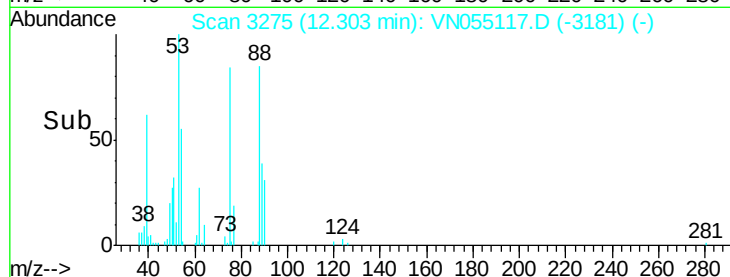
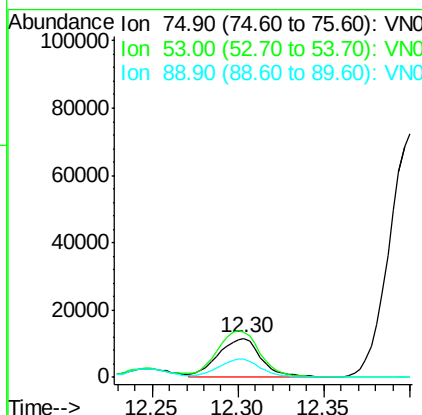
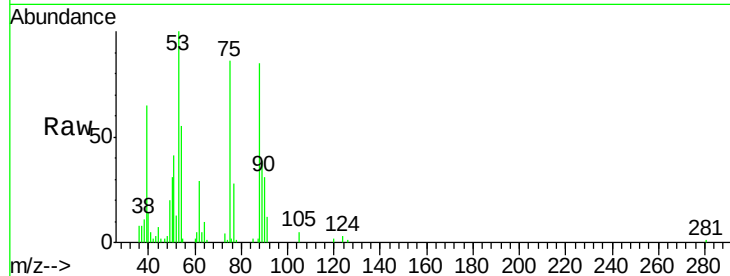




#81
trans-1,4-Dichloro-2-butene
Concen: 20.607 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

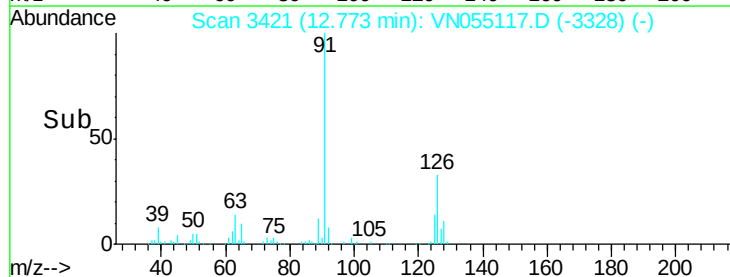
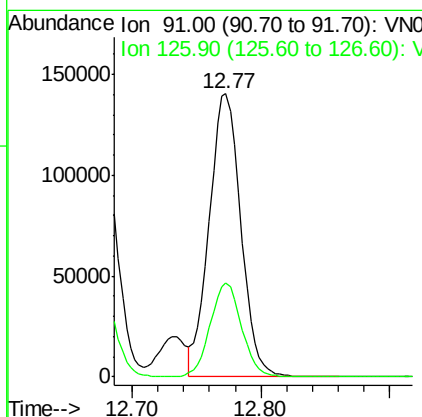
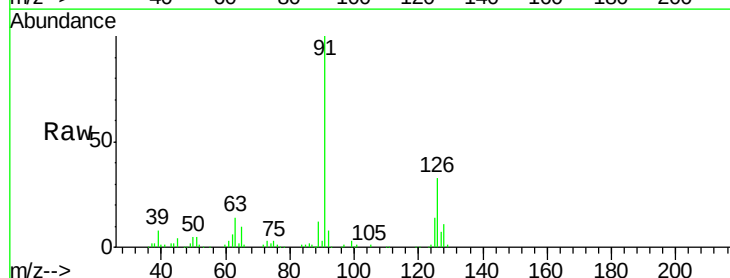
Instrument :
MSVOA_N
ClientSampled :

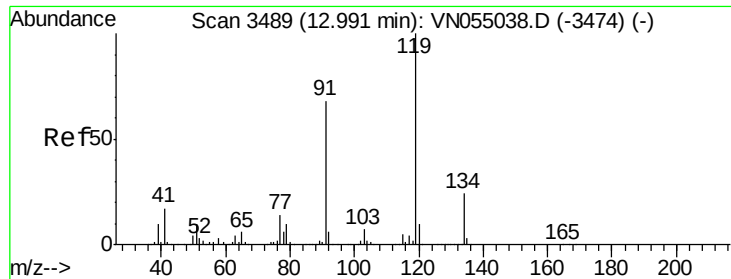
Tot Ion: 75 Resp: 20369
Ion Ratio Lower Upper
75 100
53 121.4 96.3 144.5
89 46.2 38.6 57.8



#82
4-Chlorotoluene
Concen: 19.526 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055117.D
Acq: 18 Apr 2019 11:13

Tgt Ion: 91 Resp: 239462
Ion Ratio Lower Upper
91 100
126 33.0 16.4 49.2

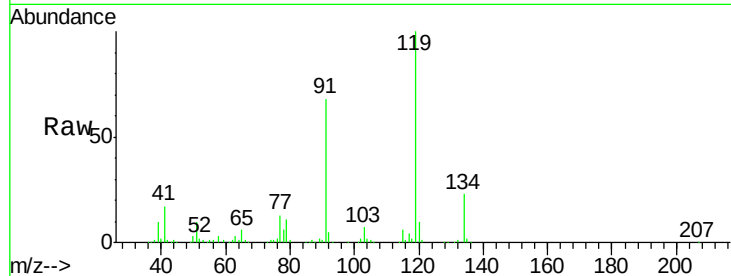




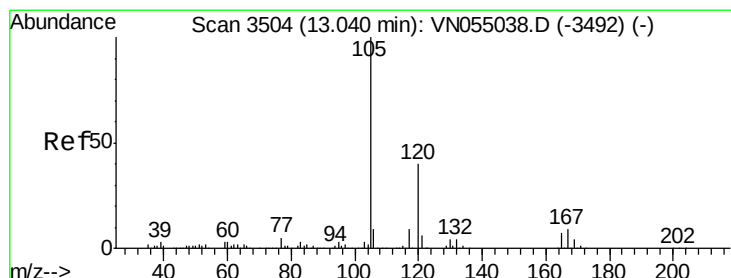
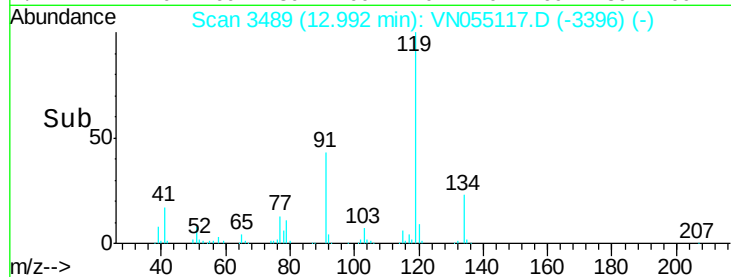
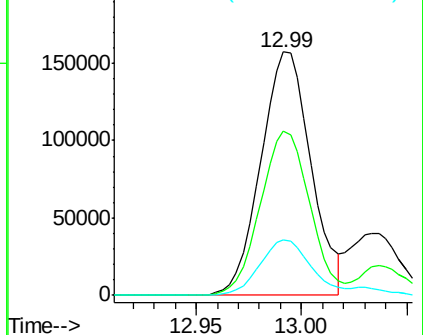
#83
 tert-Butylbenzene
 Concen: 19.597 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 260509
 Ion Ratio Lower Upper
 119 100
 91 66.6 33.3 99.8
 134 23.5 12.3 36.9

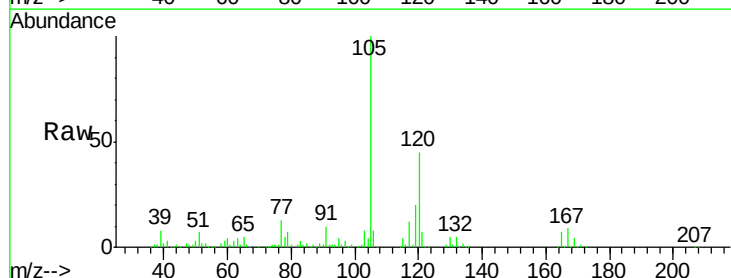


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

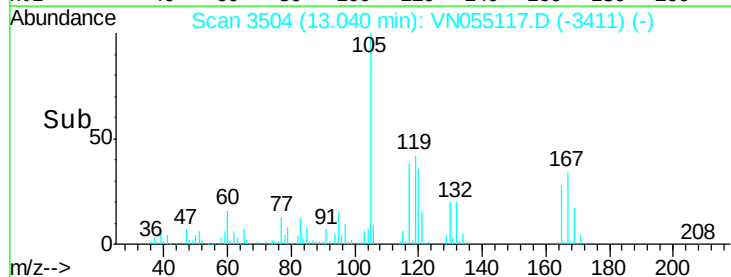
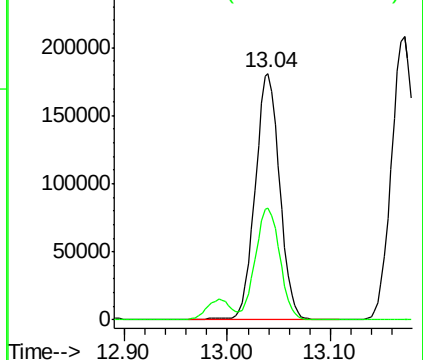


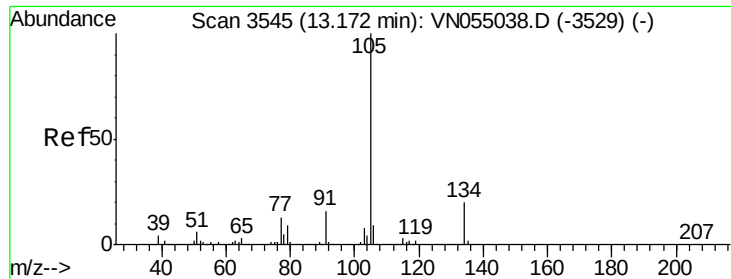
#84
 1,2,4-Trimethylbenzene
 Concen: 19.938 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion:105 Resp: 297420
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.4 67.3



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





#85

sec-Butylbenzene

Concen: 19.689 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

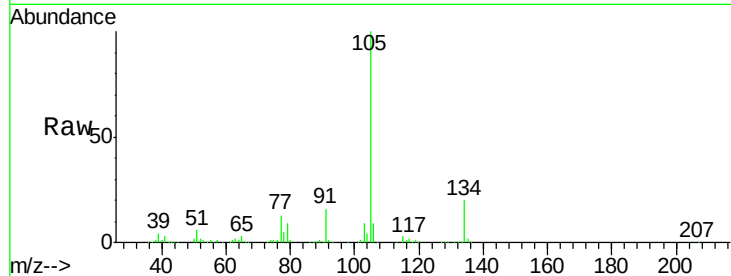
ClientSampled :

Tot Ion:105 Resp: 333518

Ion Ratio Lower Upper

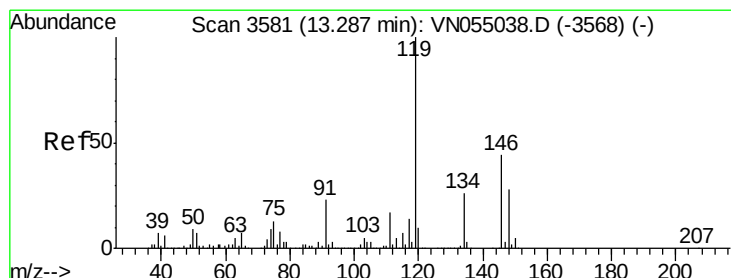
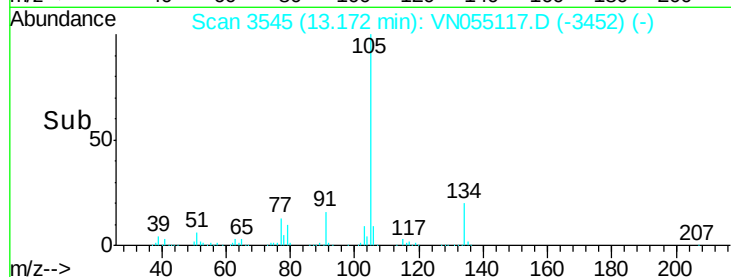
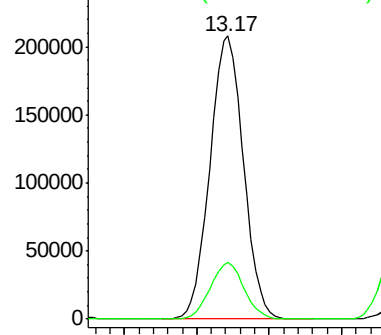
105 100

134 20.1 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.827 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

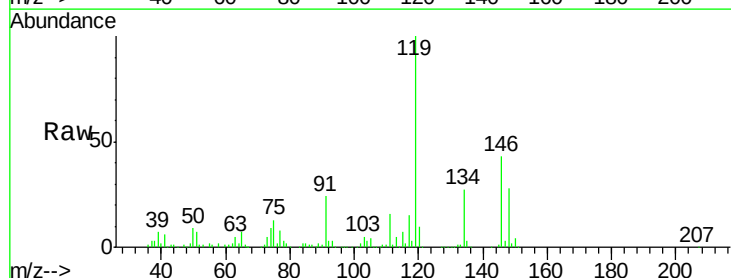
Tgt Ion:119 Resp: 288141

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

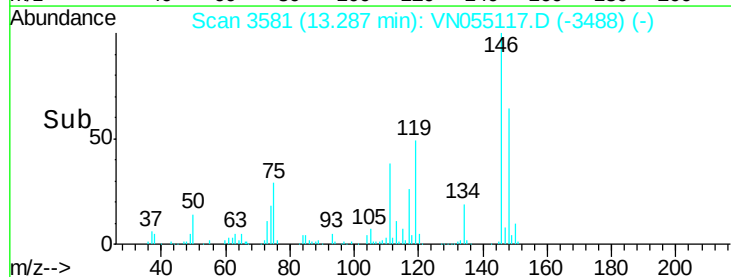
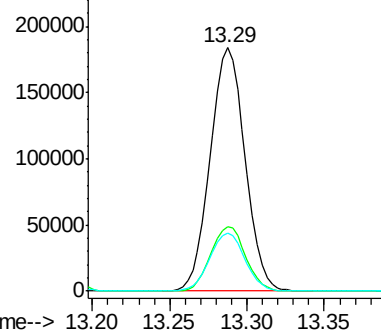
91 24.2 11.7 35.1

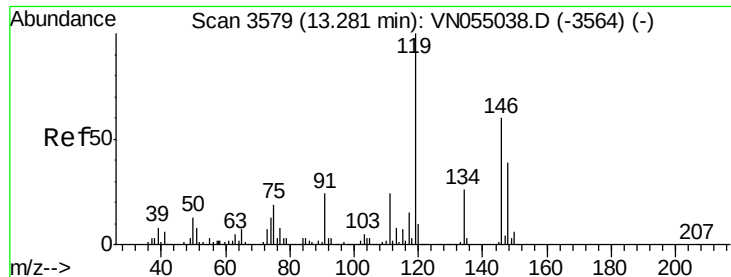


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.099 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

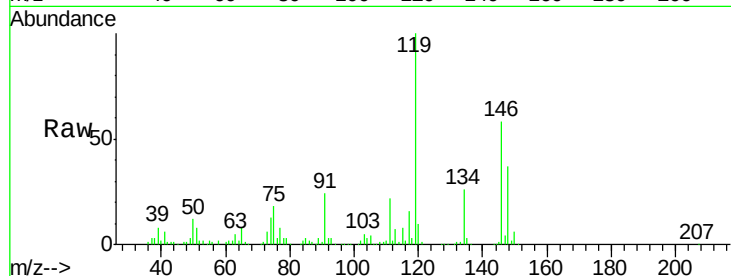
Tot Ion:146 Resp: 148556

Ion Ratio Lower Upper

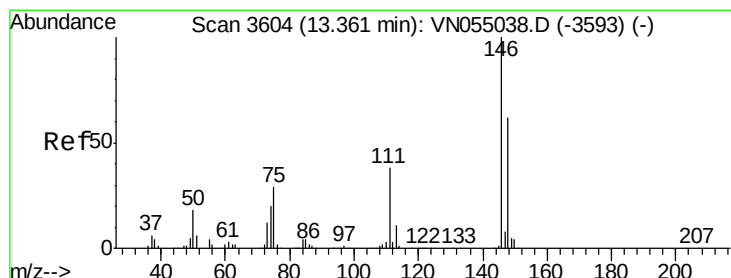
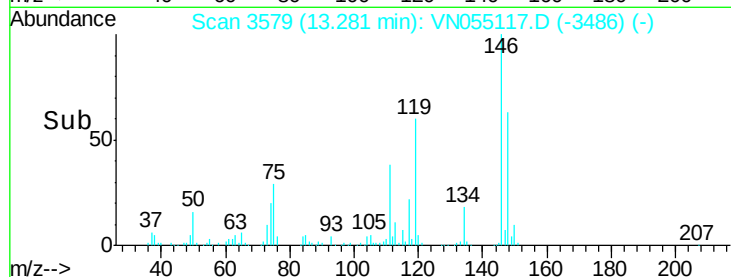
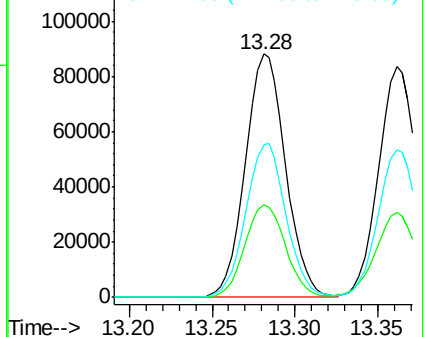
146 100

111 38.7 19.5 58.5

148 63.2 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.577 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

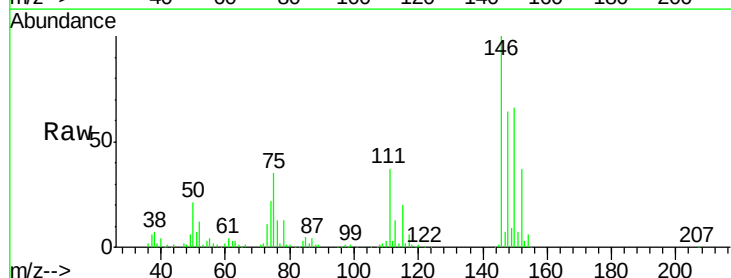
Tgt Ion:146 Resp: 137983

Ion Ratio Lower Upper

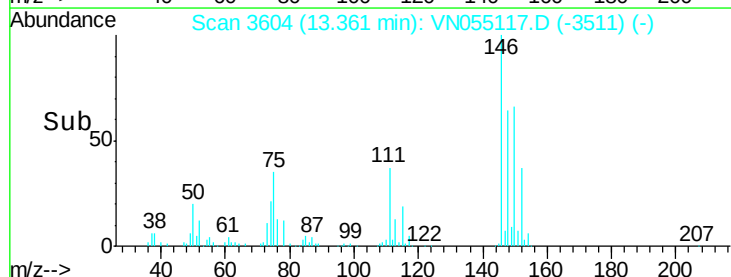
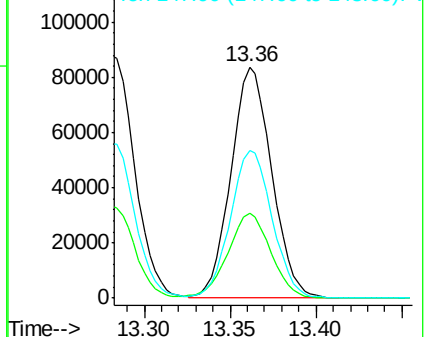
146 100

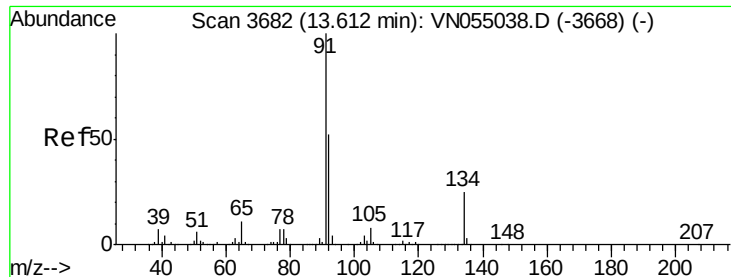
111 38.9 18.8 56.4

148 65.8 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.082 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampled :

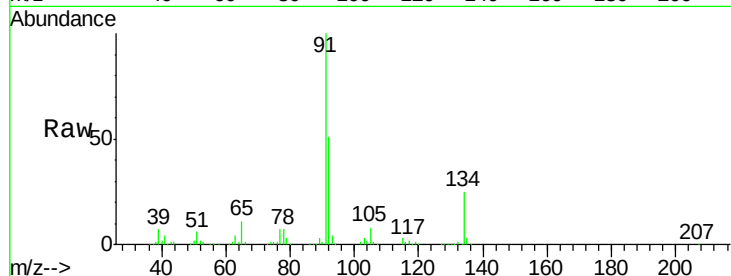
Tot Ion: 91 Resp: 216654

Ion Ratio Lower Upper

91 100

92 51.7 25.9 77.7

134 24.8 12.8 38.3

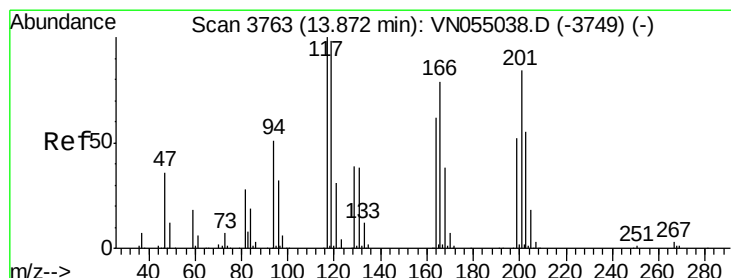
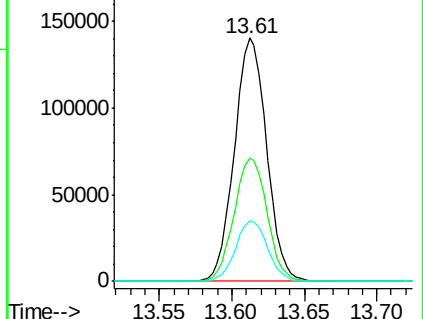
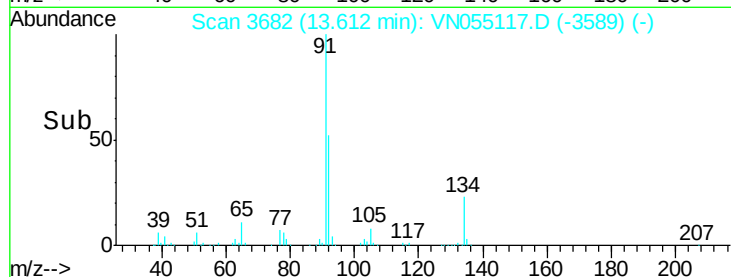


Abundance Ion 91.00 (90.70 to 91.70): VN055117.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055117.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055117.D (-3682) (-)

Time-->



#90

Hexachloroethane

Concen: 18.807 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055117.D

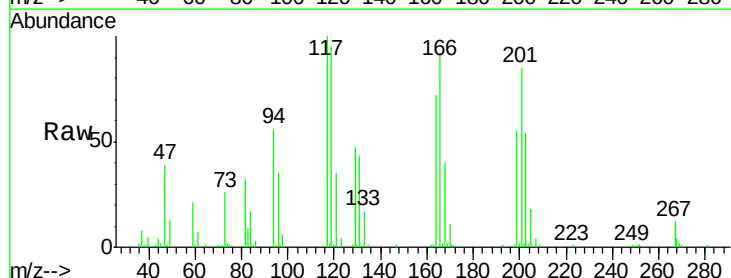
Acq: 18 Apr 2019 11:13

Tgt Ion: 117 Resp: 44472

Ion Ratio Lower Upper

117 100

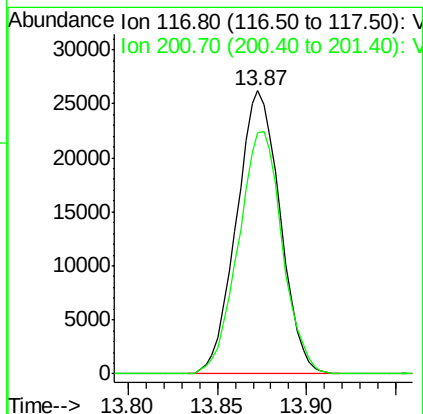
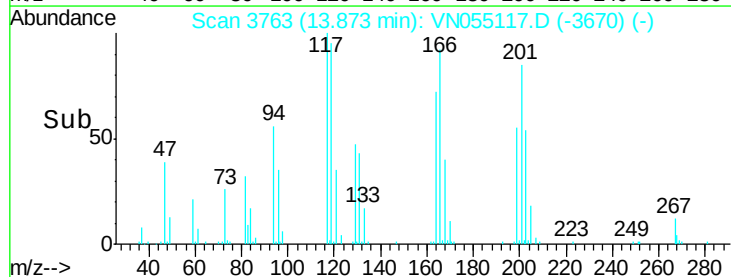
201 86.4 43.4 130.2

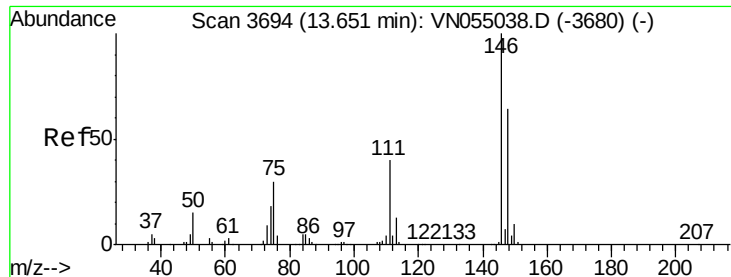


Abundance Ion 116.80 (116.50 to 117.50): VN055117.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055117.D (-3763) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.513 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampled :

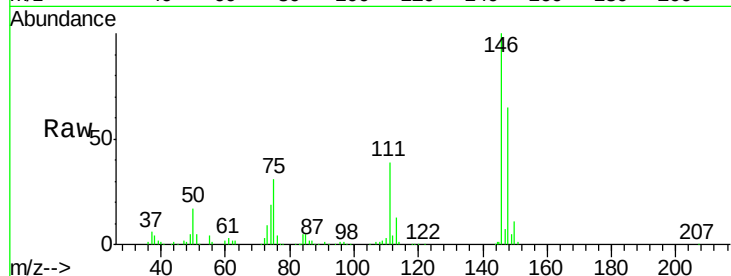
Tot Ion:146 Resp: 152550

Ion Ratio Lower Upper

146 100

111 38.5 20.3 60.9

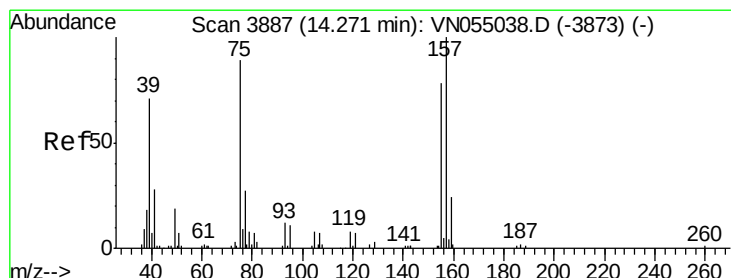
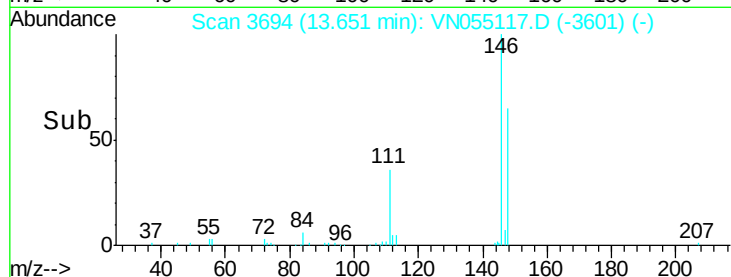
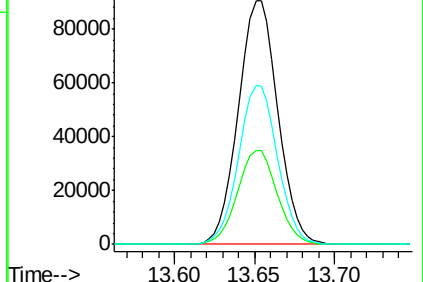
148 64.1 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.163 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

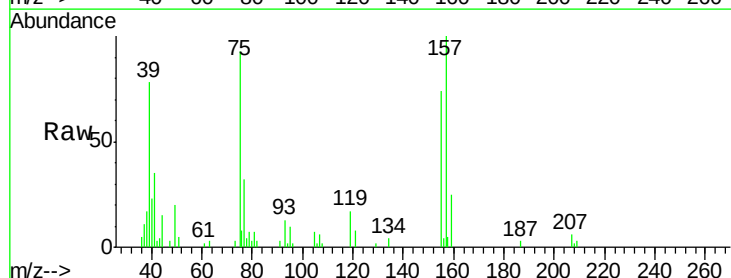
Tgt Ion: 75 Resp: 13602

Ion Ratio Lower Upper

75 100

155 77.8 42.0 126.0

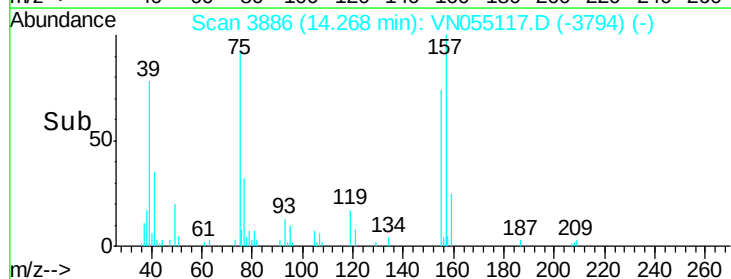
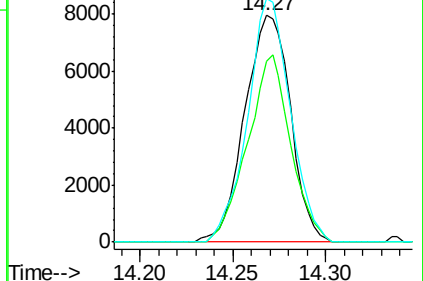
157 100.7 52.1 156.4

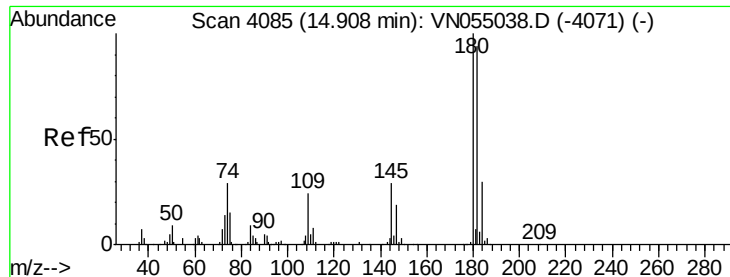


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

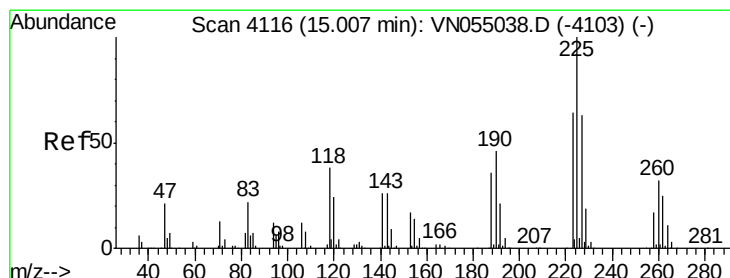
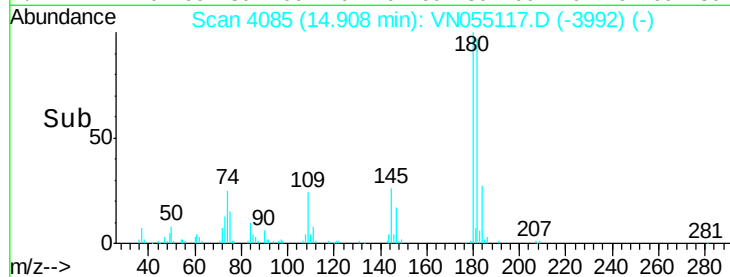
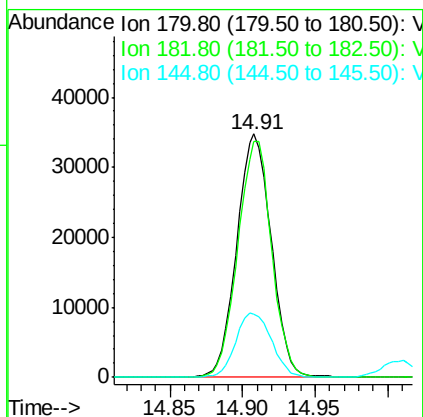
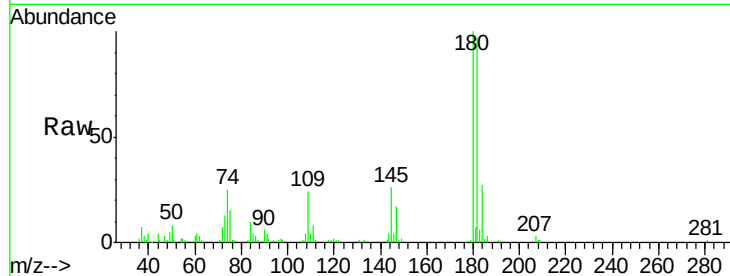




#93
 1,2,4-Trichlorobenzene
 Concen: 18.792 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

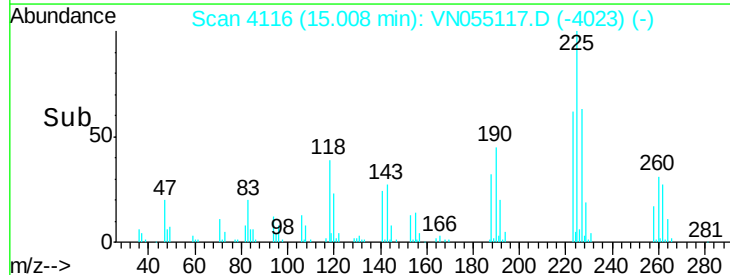
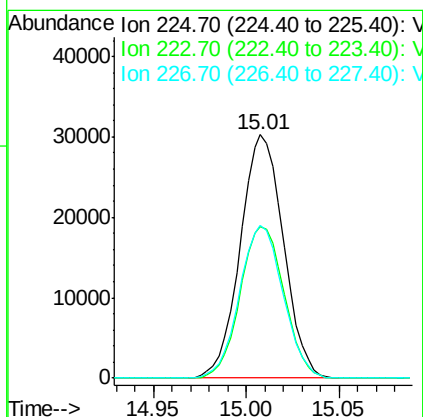
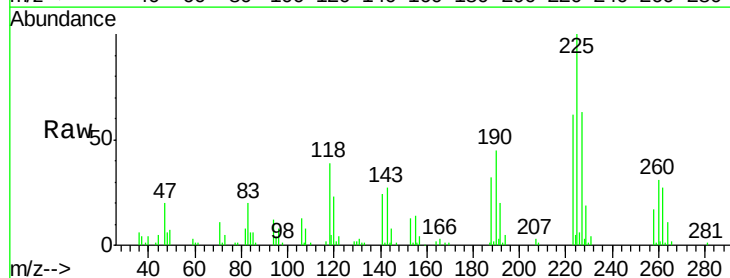
Instrument :
 MSVOA_N
 ClientSampleId :

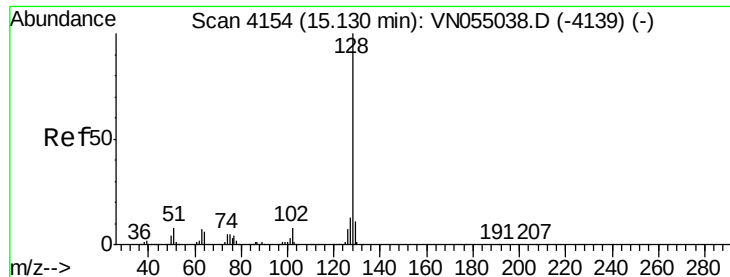
Tot Ion:180 Resp: 57399
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.5 142.6
 145 27.4 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 21.273 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055117.D
 Acq: 18 Apr 2019 11:13

Tgt Ion:225 Resp: 48864
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.4 94.0
 227 63.2 32.6 97.7





#95

Naphthalene

Concen: 17.498 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

Instrument :

MSVOA_N

ClientSampleId :

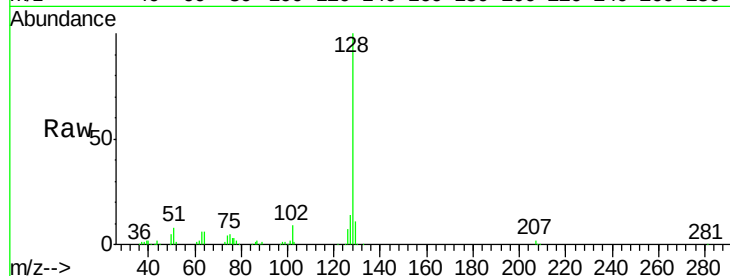
Tot Ion:128 Resp: 121171

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

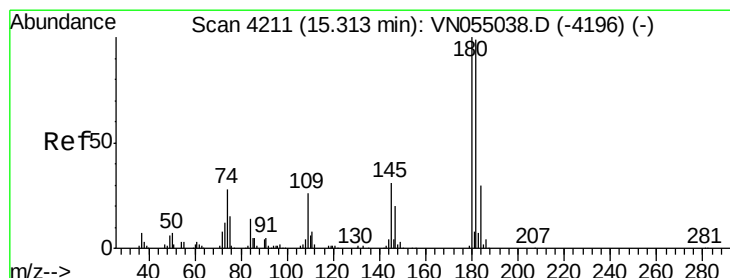
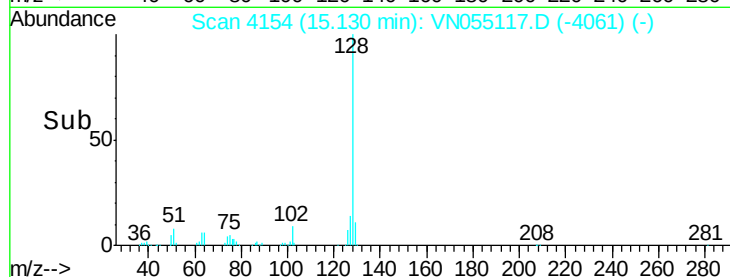
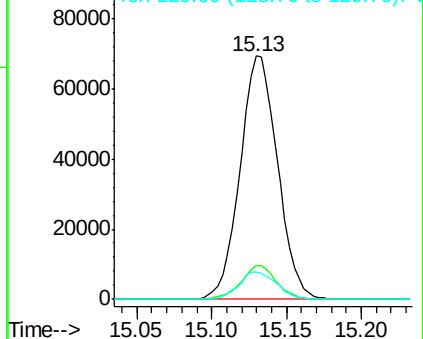
129 11.1 8.8 13.2



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: 21.316 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055117.D

Acq: 18 Apr 2019 11:13

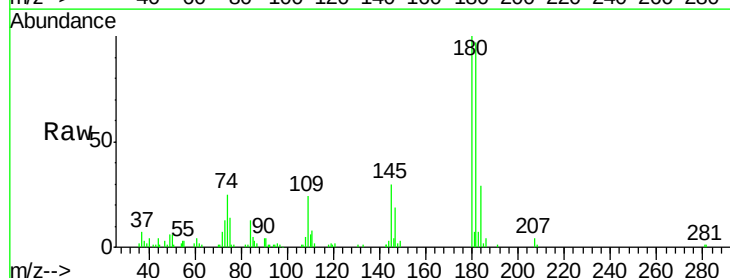
Tgt Ion:180 Resp: 61153

Ion Ratio Lower Upper

180 100

182 94.8 48.0 144.0

145 28.5 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

