

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055601.D
 Acq On : 17 May 2019 10:39
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 17 23:23:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:16:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	324895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	490236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	429223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	202857	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	177168	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
35) Dibromofluoromethane	7.59	113	157826	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	10.09	98	592410	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.40	95	206132	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	116892	42.648	ug/l	100
3) Chloromethane	2.06	50	155939	45.530	ug/l	100
4) Vinyl Chloride	2.18	62	169379	45.687	ug/l	100
5) Bromomethane	2.56	94	110137	41.019	ug/l	100
6) Chloroethane	2.71	64	98584	41.597	ug/l	100
7) Trichlorofluoromethane	3.03	101	223483	42.639	ug/l	100
8) Diethyl Ether	3.41	74	92566	48.833	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	136885	42.996	ug/l	100
10) Methyl Iodide	3.96	142	205480	44.355	ug/l	100
11) Tert butyl alcohol	4.77	59	166983	552.118	ug/l	100
12) 1,1-Dichloroethene	3.74	96	141358	47.119	ug/l	100
13) Acrolein	3.61	56	81042	476.737	ug/l	100
14) Allyl chloride	4.33	41	239823	52.114	ug/l	100
15) Acrylonitrile	4.98	53	371506	333.500	ug/l	100
16) Acetone	3.81	43	357552	354.610	ug/l	100
17) Carbon Disulfide	4.06	76	393813	43.092	ug/l	100
18) Methyl Acetate	4.32	43	152585	65.364	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	479384	60.430	ug/l	100
20) Methylene Chloride	4.55	84	157996	46.493	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	152510	48.454	ug/l	100
22) Diisopropyl ether	5.95	45	460888	53.838	ug/l	100
23) Vinyl Acetate	5.89	43	2010782	315.159	ug/l	100
24) 1,1-Dichloroethane	5.85	63	274759	47.965	ug/l	100
25) 2-Butanone	6.83	43	512520	387.511	ug/l	100
26) 2,2-Dichloropropane	6.83	77	236669	53.370	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	177271	50.074	ug/l	100
28) Bromochloromethane	7.19	49	123643	49.431	ug/l	100
29) Tetrahydrofuran	7.21	42	329459	386.619	ug/l	100
30) Chloroform	7.37	83	273141	47.467	ug/l	100
31) Cyclohexane	7.66	56	248107	41.654	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	243974	49.248	ug/l	100
36) 1,1-Dichloropropene	7.79	75	211378	47.176	ug/l	100
37) Ethyl Acetate	6.92	43	206955	75.547	ug/l	100
38) Carbon Tetrachloride	7.78	117	220266	45.772	ug/l	100

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

39) Methylcyclohexane	9.08	83	253658	49.387	ug/l	100
40) Benzene	8.04	78	628909	47.776	ug/l	100
41) Methacrylonitrile	7.20	41	290032	207.122	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	207005	51.600	ug/l	100
43) Isopropyl Acetate	8.16	43	337152	65.046	ug/l	100
44) Trichloroethene	8.84	130	178273	48.314	ug/l	100
45) 1,2-Dichloropropane	9.12	63	166369	49.221	ug/l	100
46) Dibromomethane	9.21	93	109390	52.998	ug/l	100
47) Bromodichloromethane	9.40	83	225792	52.121	ug/l	100
48) Methyl methacrylate	9.20	41	158804	71.170	ug/l	100
49) 1,4-Dioxane	9.20	88	65772	1818.448	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	987753	399.739	ug/l	100
52) Toluene	10.16	92	393519	50.572	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	252371	59.048	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	275532	55.895	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	159508	54.898	ug/l	100
56) Ethyl methacrylate	10.43	69	252087	72.559	ug/l	100
57) 1,3-Dichloropropane	10.71	76	260125	54.052	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	558959	365.345	ug/l	100
59) 2-Hexanone	10.75	43	718695	423.205	ug/l	100
60) Dibromochloromethane	10.90	129	187291	55.620	ug/l	100
61) 1,2-Dibromoethane	11.00	107	165992	57.360	ug/l	100
64) Tetrachloroethene	10.63	164	164169	43.475	ug/l	100
65) Chlorobenzene	11.43	112	424928	47.436	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	167501	50.776	ug/l	100
67) Ethyl Benzene	11.51	91	744816	50.988	ug/l	100
68) m/p-Xylenes	11.62	106	566941	100.892	ug/l	100
69) o-Xylene	11.95	106	274063	50.557	ug/l	100
70) Styrene	11.96	104	472518	55.028	ug/l	100
71) Bromoform	12.13	173	148610	61.003	ug/l	100
73) Isopropylbenzene	12.25	105	726970	50.587	ug/l	100
74) N-amyl acetate	12.07	43	283388	77.246	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	226023	62.985	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	284818	91.384	ug/l #	100
77) Bromobenzene	12.53	156	191088	49.753	ug/l	100
78) n-propylbenzene	12.59	91	817202	51.107	ug/l	100
79) 2-Chlorotoluene	12.67	91	485984	50.279	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	619400	51.977	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	77625	76.948	ug/l	100
82) 4-Chlorotoluene	12.77	91	490531	51.016	ug/l	100
83) tert-Butylbenzene	12.99	119	531695	49.911	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	614503	51.637	ug/l	100
85) sec-Butylbenzene	13.17	105	694286	48.677	ug/l	100
86) p-Isopropyltoluene	13.29	119	641595	51.476	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	328635	49.197	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	321788	47.914	ug/l	100
89) n-Butylbenzene	13.61	91	532423	52.098	ug/l	100
90) Hexachloroethane	13.87	117	124256	51.196	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	323881	49.323	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45551	80.458	ug/l	100

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Quant Title : SW846 8260
QLast Update : Fri May 17 23:16:47 2019
Response via : Initial Calibration

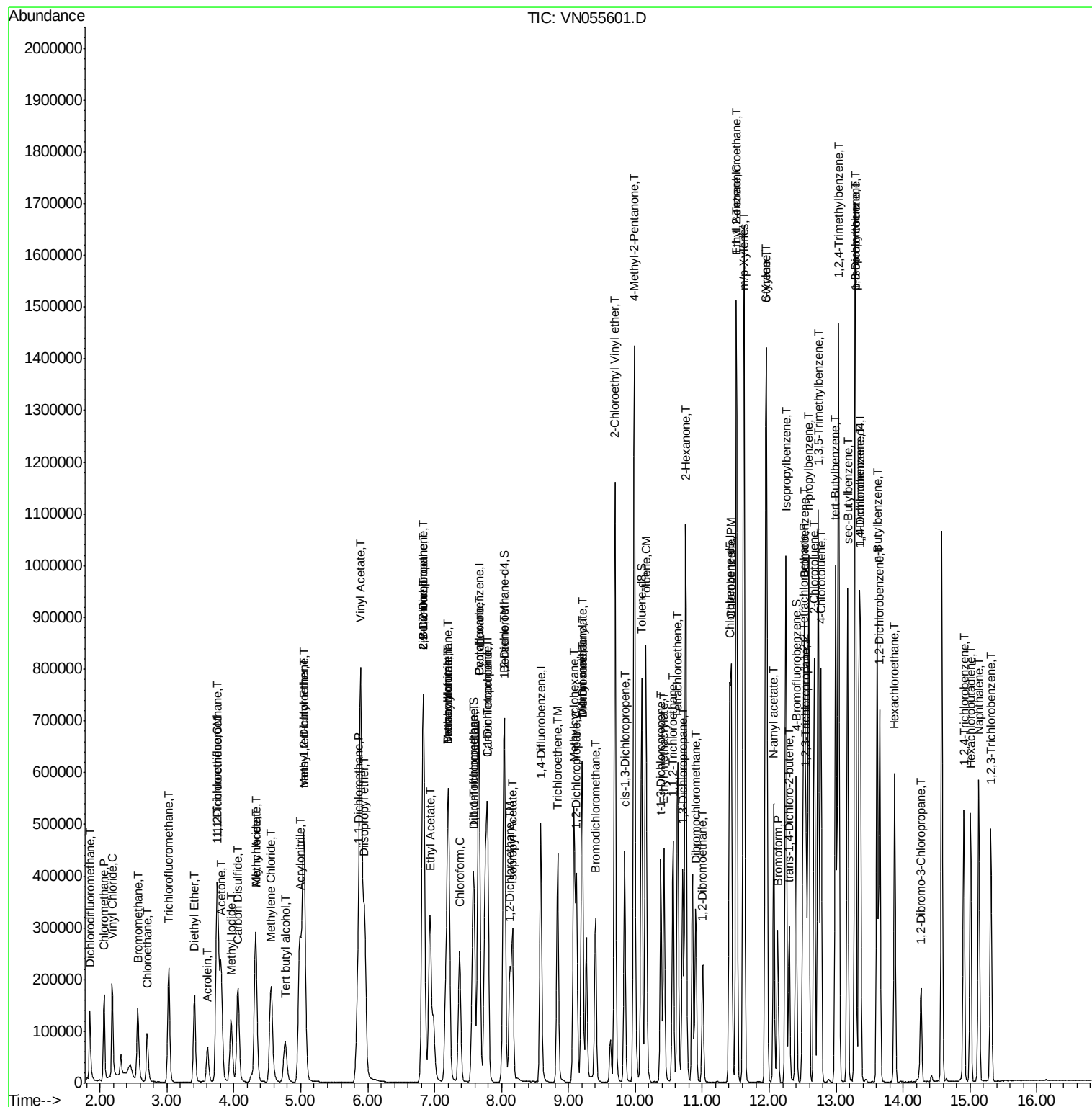
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	189623	55.252	ug/l	100
94) Hexachlorobutadiene	15.01	225	111455	40.868	ug/l	100
95) Naphthalene	15.13	128	514213	74.538	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	187501	56.039	ug/l	100

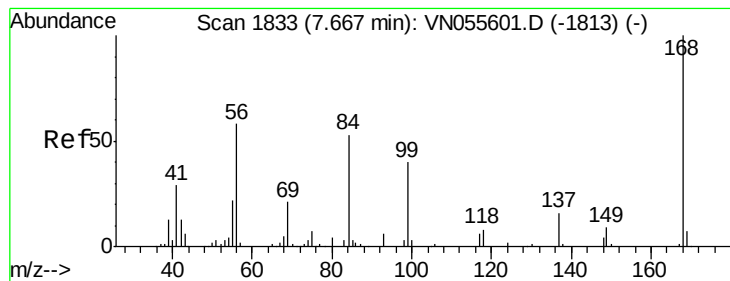
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN051719\
Data File : VN055601.D
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Instrument :
MSVOA_N
ClientSampled :

Quant Time: May 17 23:23:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
Quant Title : SW846 8260
QLast Update : Fri May 17 23:16:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

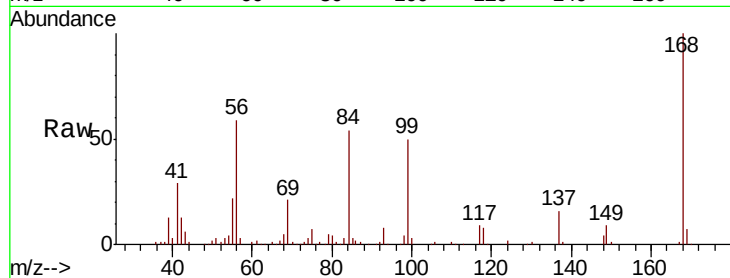
ClientSampleId :

Tot Ion:168 Resp: 324895

Ion Ratio Lower Upper

168 100

99 50.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

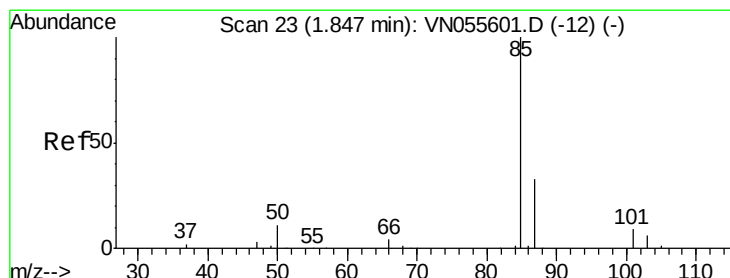
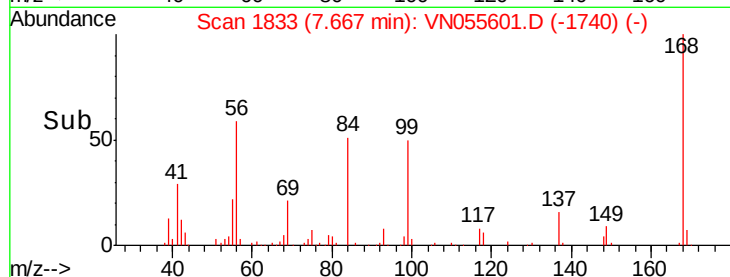
100000

50000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 42.648 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055601.D

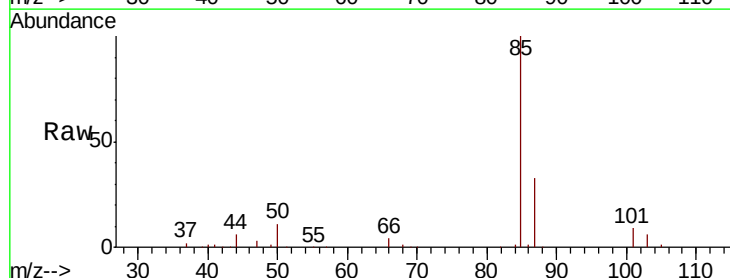
Acq: 17 May 2019 10:39

Tgt Ion: 85 Resp: 116892

Ion Ratio Lower Upper

85 100

87 33.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

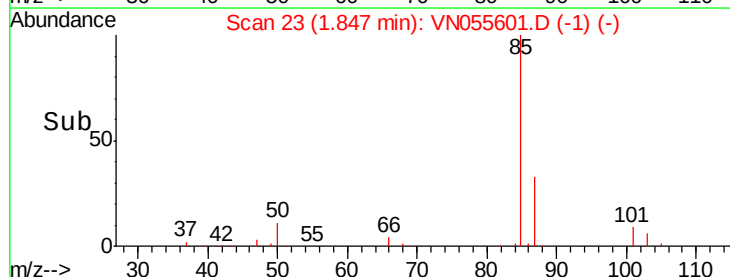
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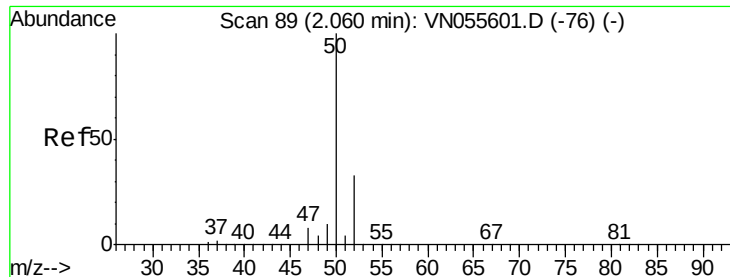
20000

0

Time-->

1.80 1.90 2.00





#3

Chloromethane

Concen: 45.530 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

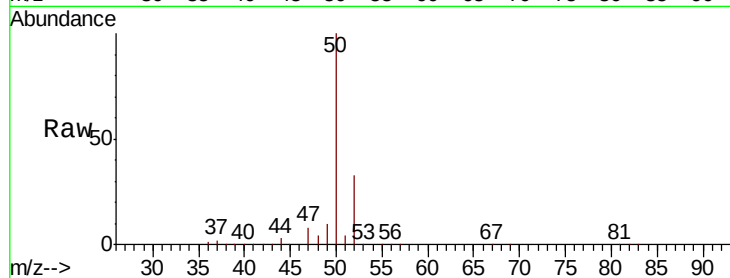
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 155939

Ion Ratio Lower Upper

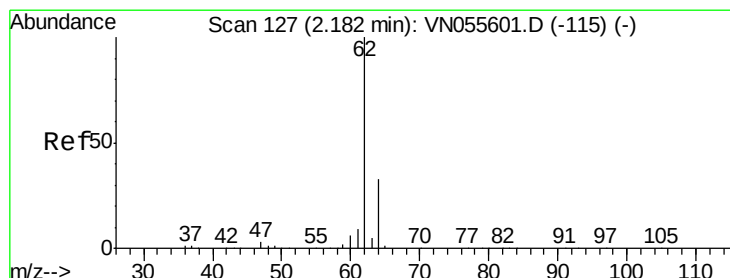
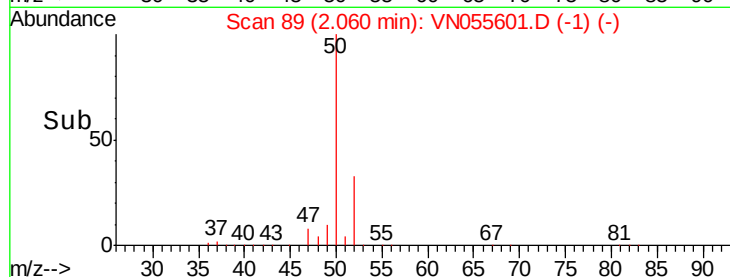
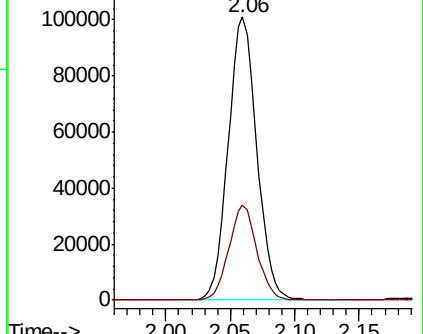
50 100

52 33.4 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.687 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN055601.D

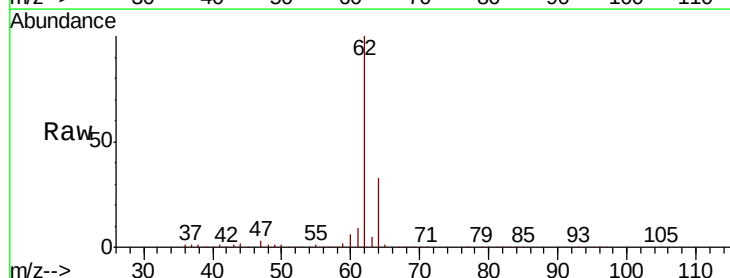
Acq: 17 May 2019 10:39

Tgt Ion: 62 Resp: 169379

Ion Ratio Lower Upper

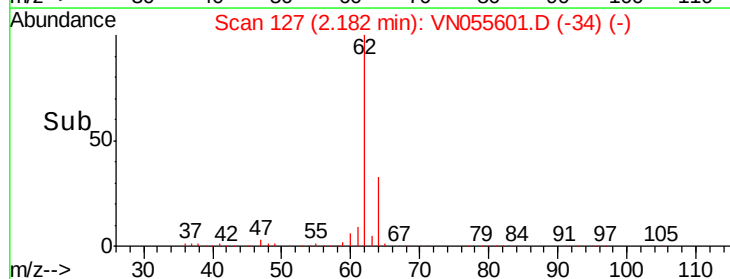
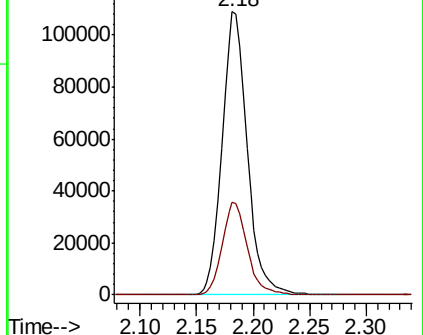
62 100

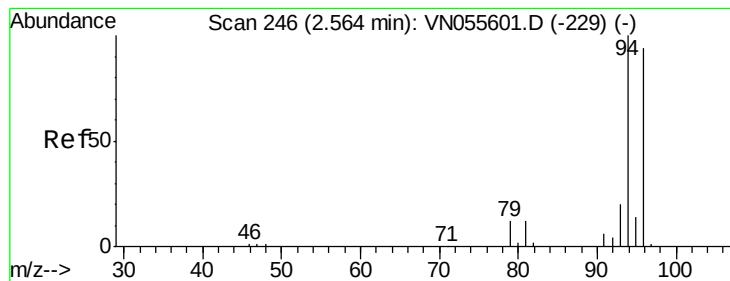
64 32.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 41.019 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

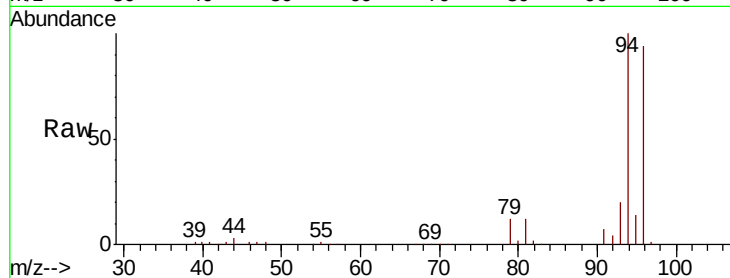
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 110137

Ion Ratio Lower Upper

94 100

96 94.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

50000

40000

30000

20000

10000

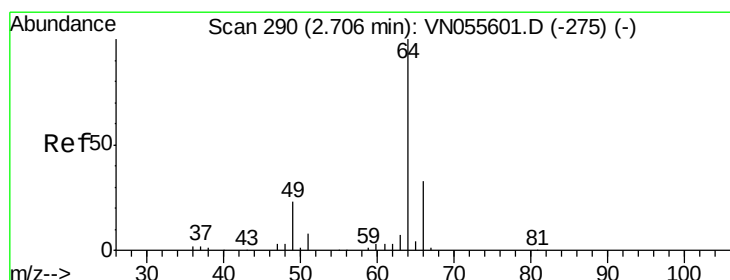
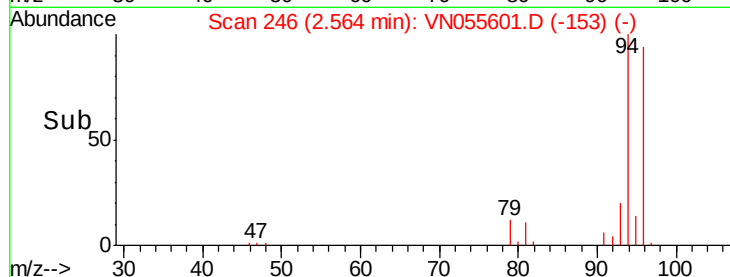
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 41.597 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN055601.D

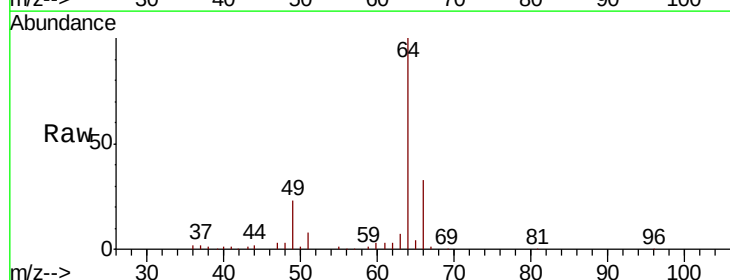
Acq: 17 May 2019 10:39

Tgt Ion: 64 Resp: 98584

Ion Ratio Lower Upper

64 100

66 32.8 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

50000

40000

30000

20000

10000

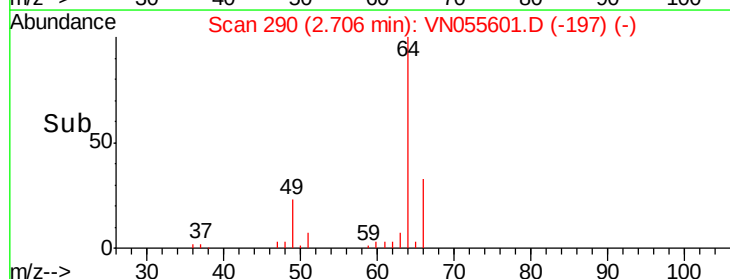
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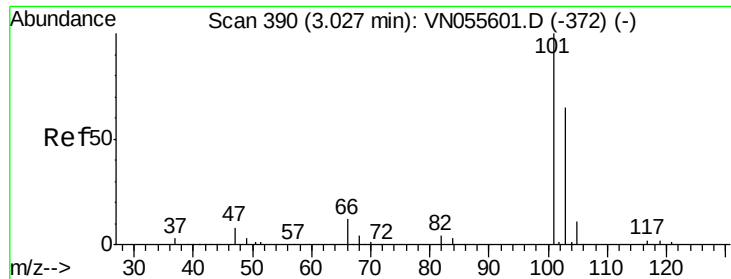
Time-->

2.60

2.70

2.80



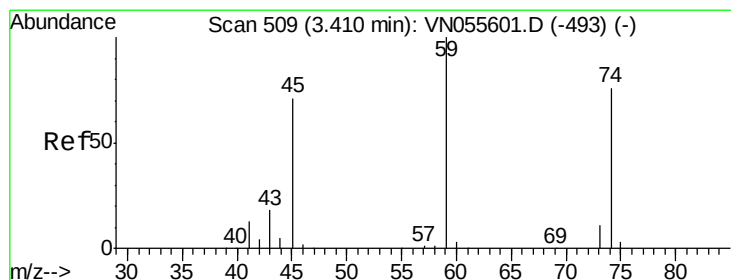
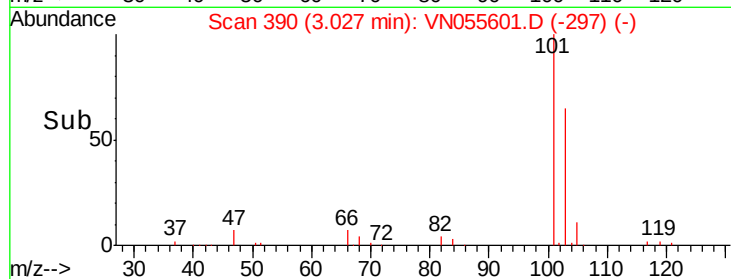
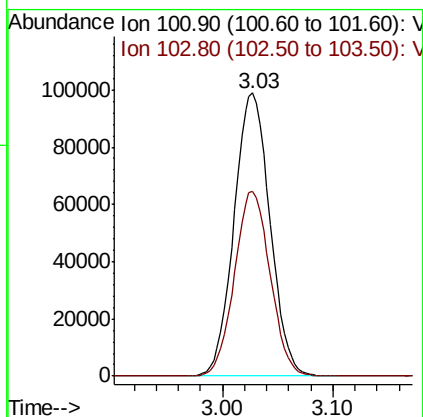
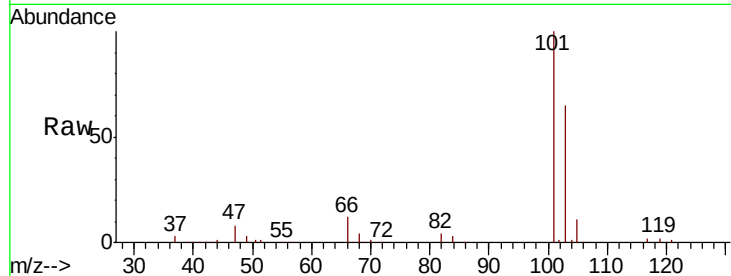


#7

Trichlorofluoromethane
 Concen: 42.639 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Instrument :
 MSVOA_N
 ClientSampled :

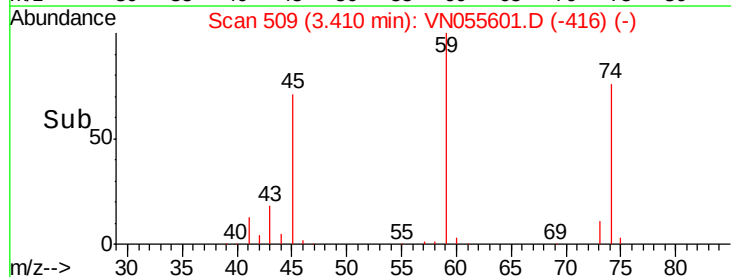
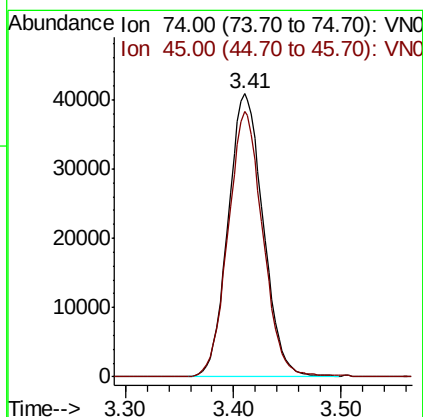
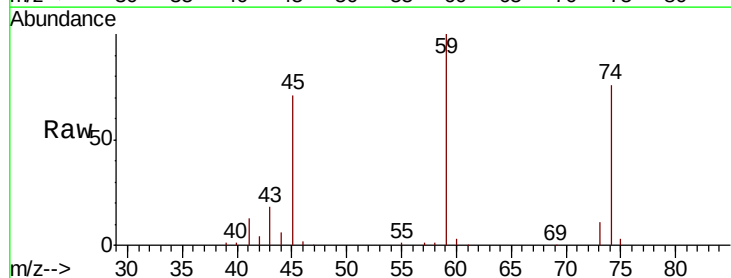
Tot Ion:101 Resp: 223483
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.3 78.5

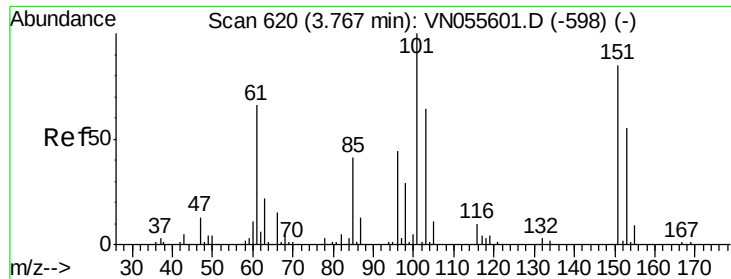


#8

Diethyl Ether
 Concen: 48.833 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion: 74 Resp: 92566
 Ion Ratio Lower Upper
 74 100
 45 92.8 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.996 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

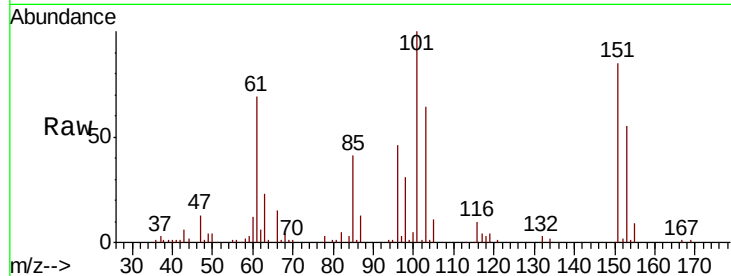
Tot Ion:101 Resp: 136885

Ion Ratio Lower Upper

101 100

85 41.7 33.4 50.0

151 86.6 69.3 103.9

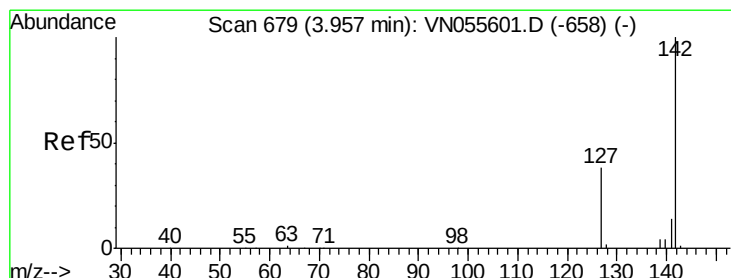
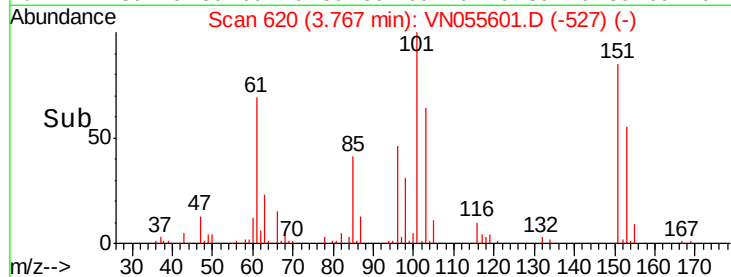
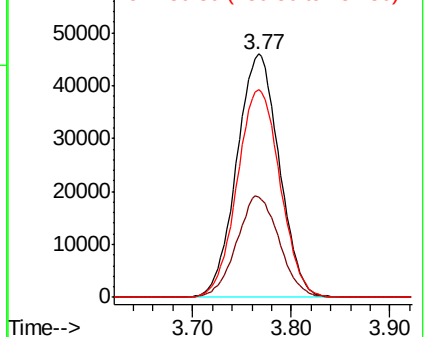


Abundance

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: 44.355 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

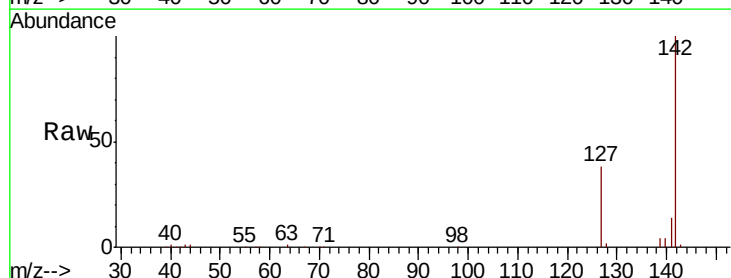
Tgt Ion:142 Resp: 205480

Ion Ratio Lower Upper

142 100

127 38.7 31.0 46.4

141 14.4 11.5 17.3

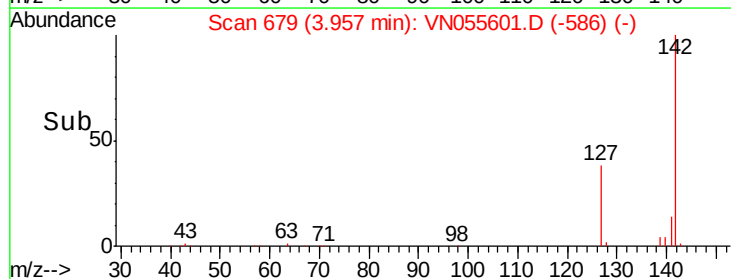
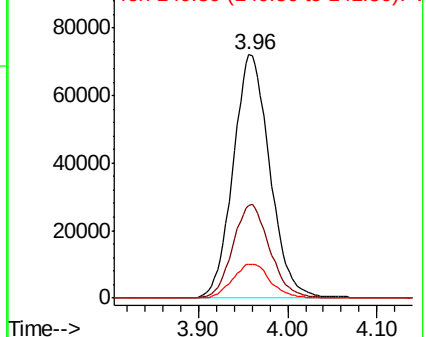


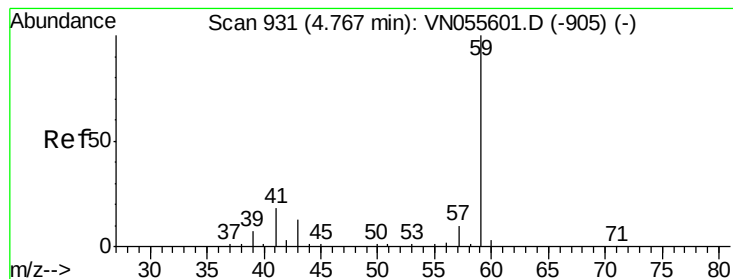
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



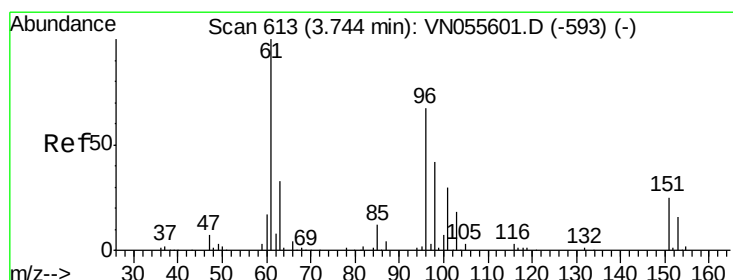
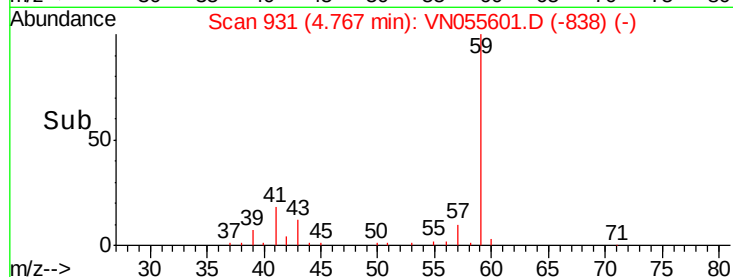
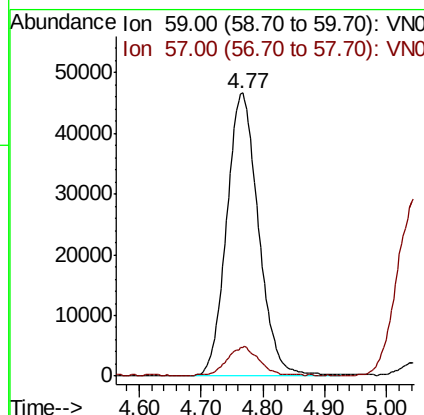
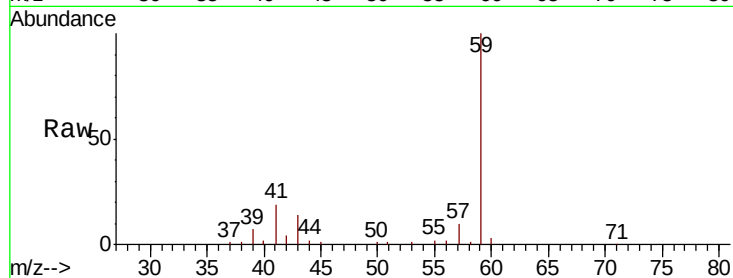


#11

Tert butyl alcohol
 Concen: 552.118 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Instrument :
 MSVOA_N
 ClientSampled :

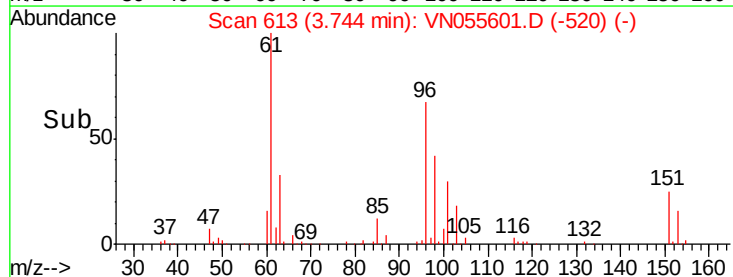
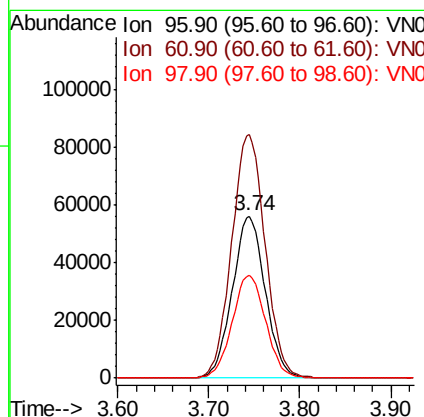
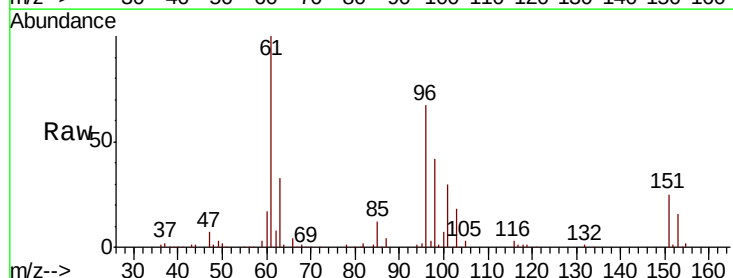
Tot Ion: 59 Resp: 166983
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.8 11.6

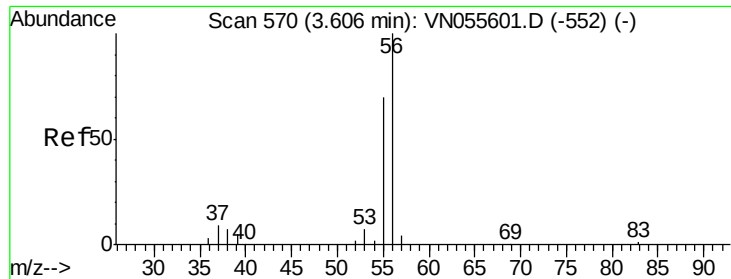


#12

1,1-Dichloroethene
 Concen: 47.119 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion: 96 Resp: 141358
 Ion Ratio Lower Upper
 96 100
 61 150.2 120.2 180.2
 98 63.2 50.6 75.8

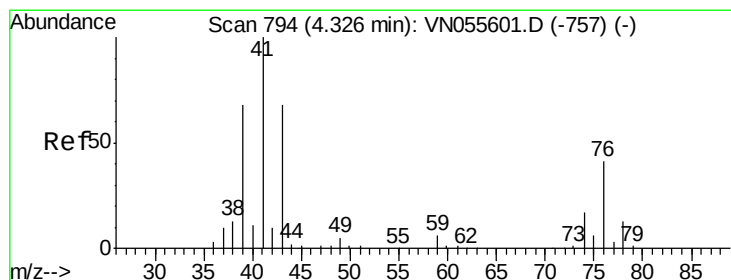
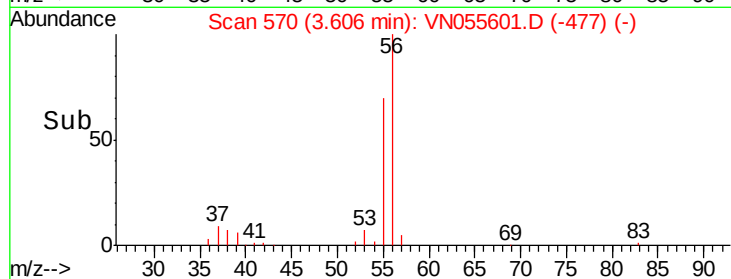
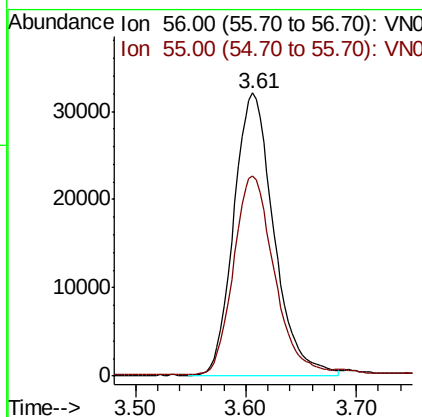
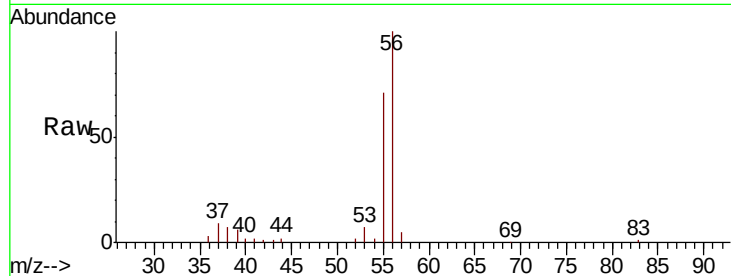




#13
 Acrolein
 Concen: 476.737 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

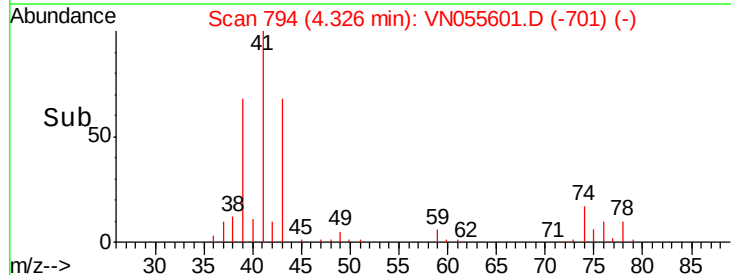
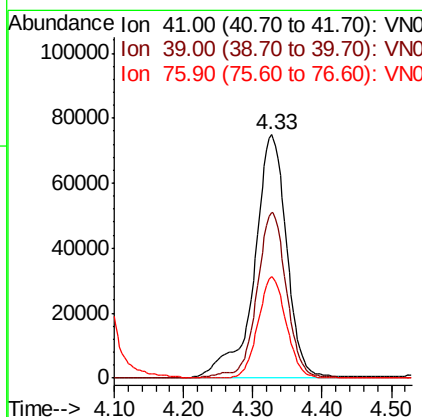
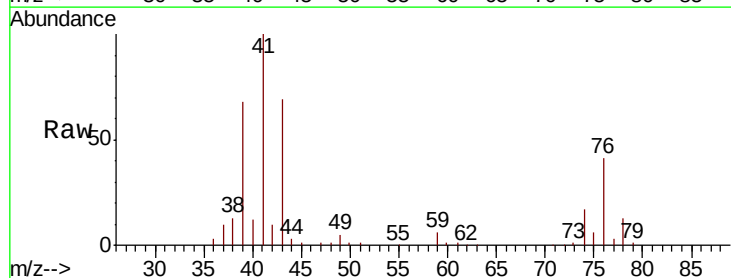
Instrument :
 MSVOA_N
 ClientSampleId :

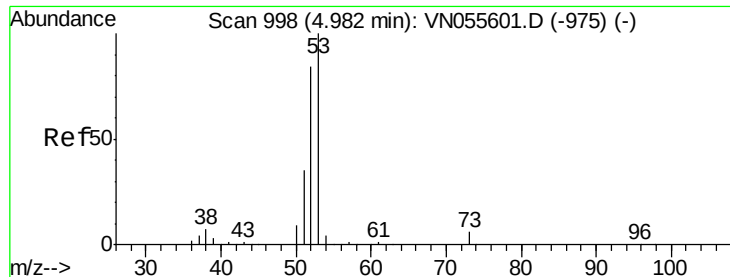
Tot Ion: 56 Resp: 81042
 Ion Ratio Lower Upper
 56 100
 55 70.6 56.5 84.7



#14
 Allyl chloride
 Concen: 52.114 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion: 41 Resp: 239823
 Ion Ratio Lower Upper
 41 100
 39 63.1 50.5 75.7
 76 36.5 29.2 43.8





#15

Acrylonitrile

Concen: 333.500 ug/l

RT: 4.98 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

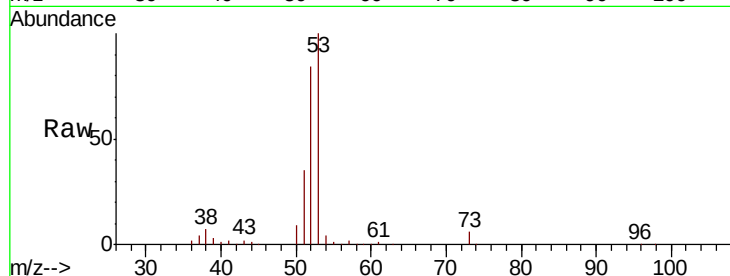
Tot Ion: 53 Resp: 371506

Ion Ratio Lower Upper

53 100

52 82.8 66.2 99.4

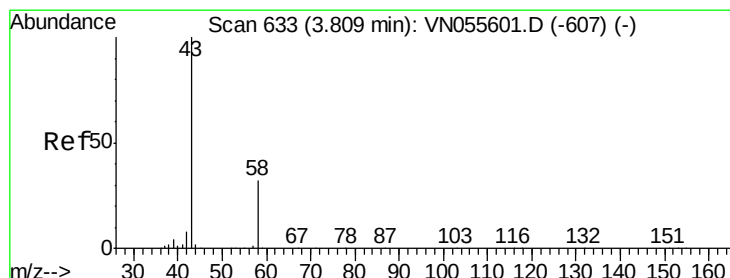
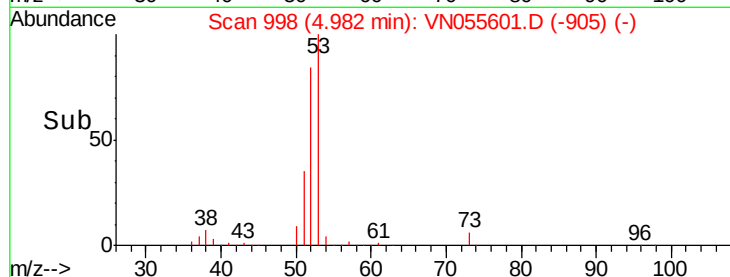
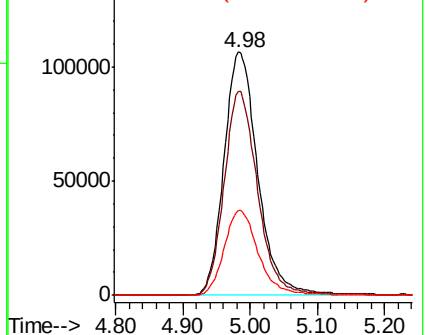
51 35.6 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 354.610 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN055601.D

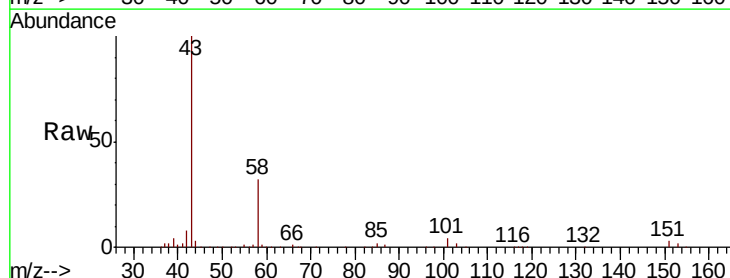
Acq: 17 May 2019 10:39

Tgt Ion: 43 Resp: 357552

Ion Ratio Lower Upper

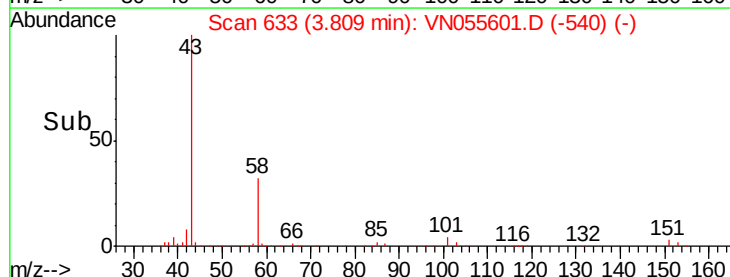
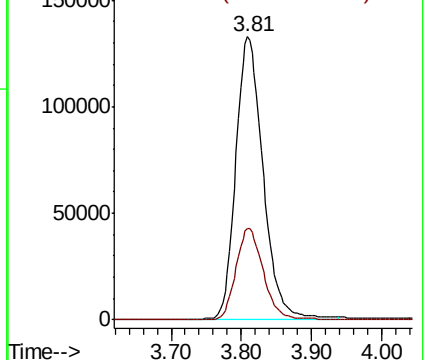
43 100

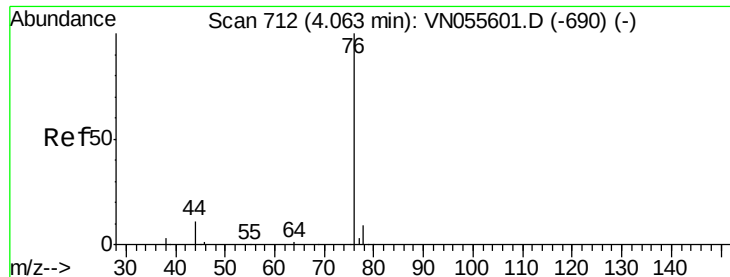
58 32.5 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

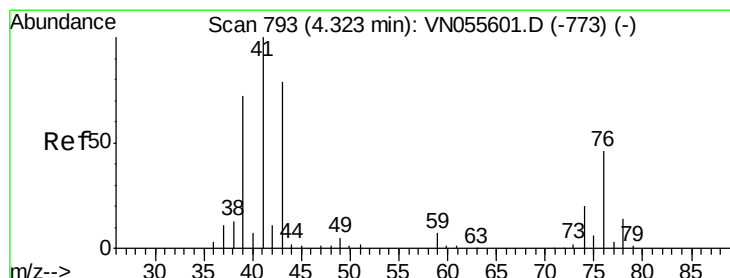
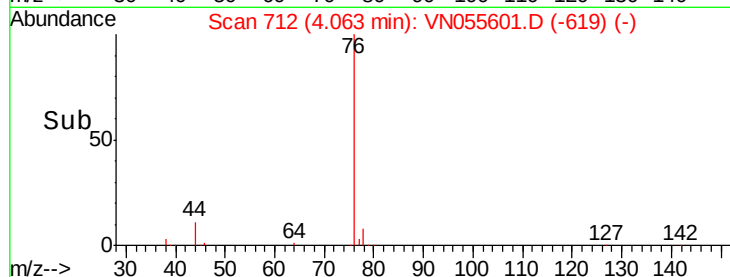
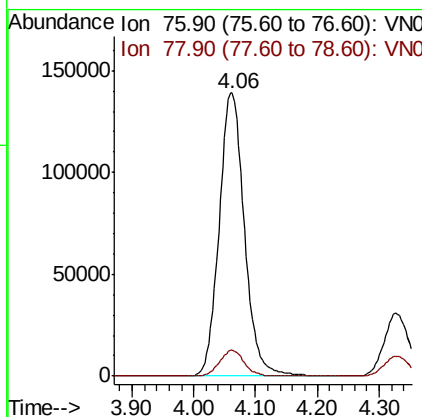
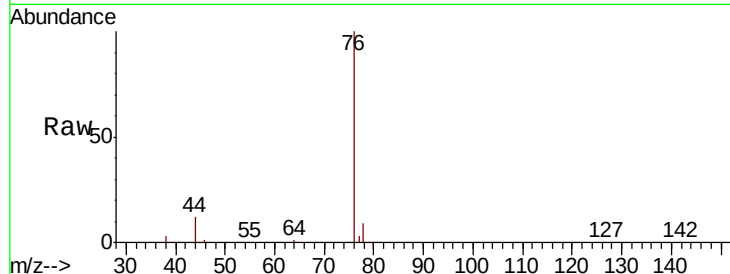




#17
Carbon Disulfide
Concen: 43.092 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

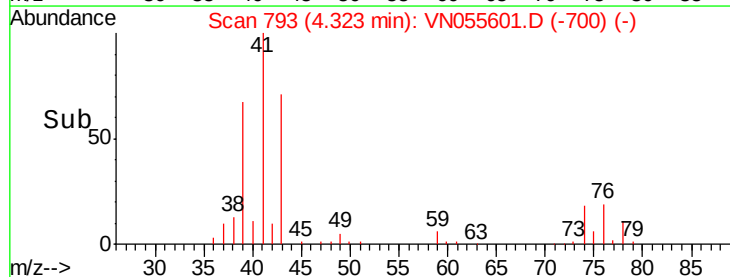
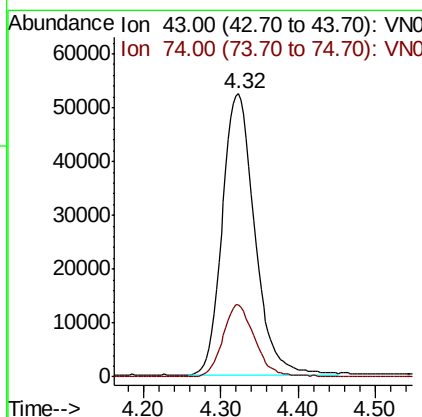
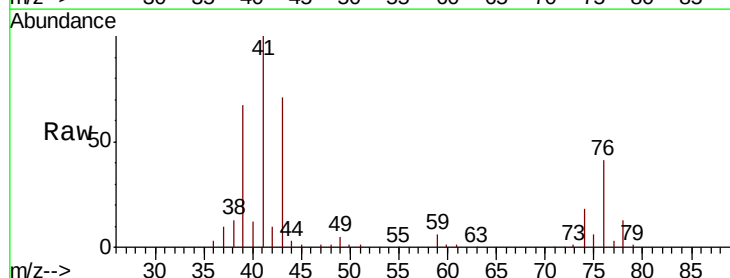
Instrument :
MSVOA_N
ClientSampled :

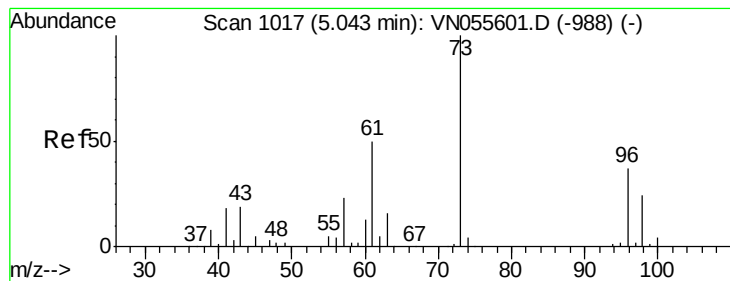
Tot Ion: 76 Resp: 393813
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 65.364 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion: 43 Resp: 152585
Ion Ratio Lower Upper
43 100
74 24.9 19.9 29.9



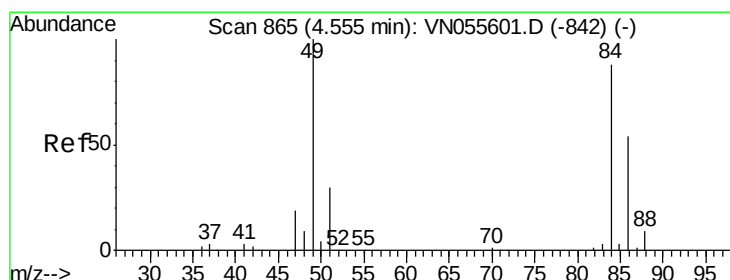
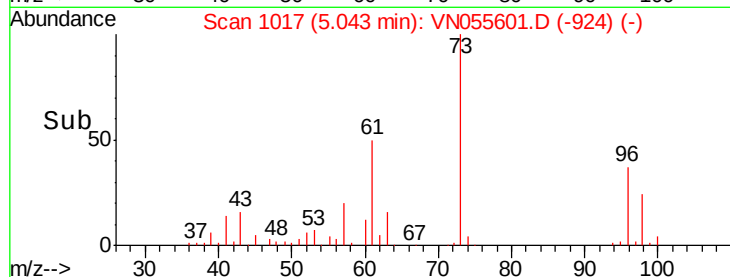
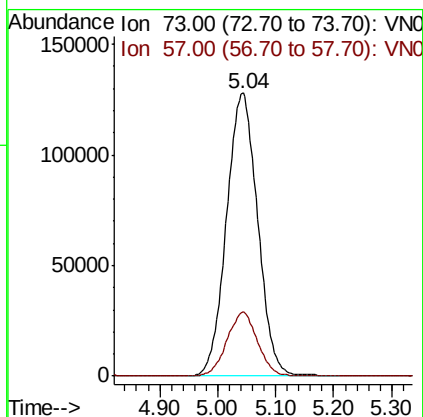
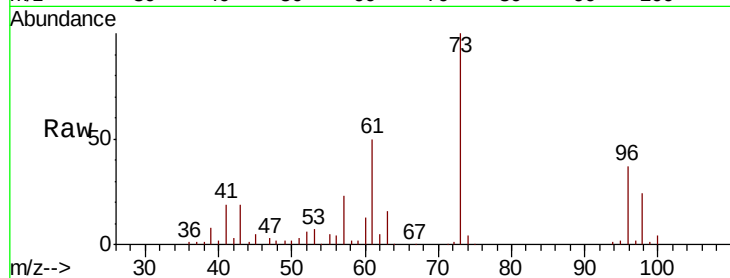


#19

Methyl tert-butyl Ether
 Concen: 60.430 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Instrument :
 MSVOA_N
 ClientSampled :

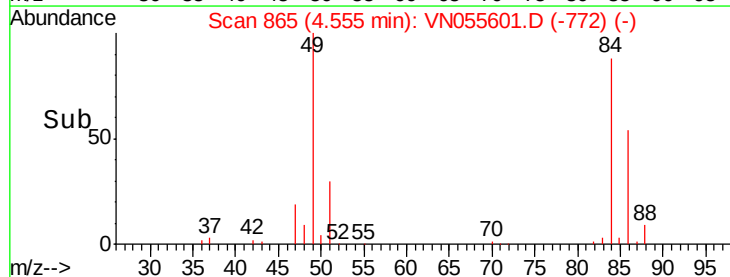
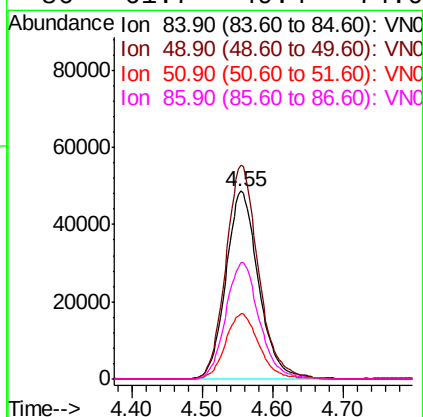
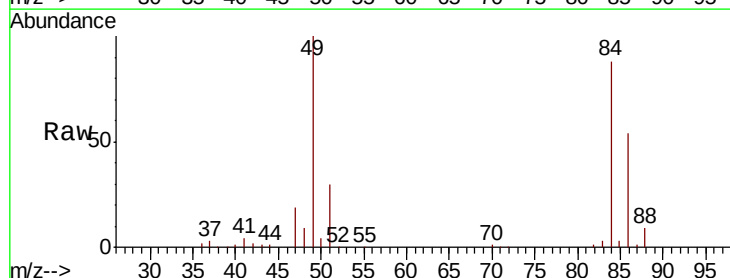
Tot Ion: 73 Resp: 479384
 Ion Ratio Lower Upper
 73 100
 57 22.7 18.2 27.2

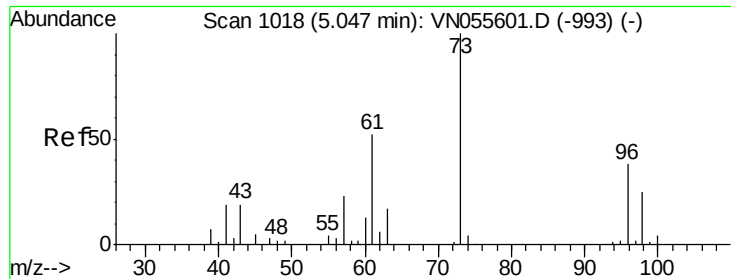


#20

Methylene Chloride
 Concen: 46.493 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion: 84 Resp: 157996
 Ion Ratio Lower Upper
 84 100
 49 113.7 91.0 136.4
 51 34.4 27.5 41.3
 86 61.7 49.4 74.0

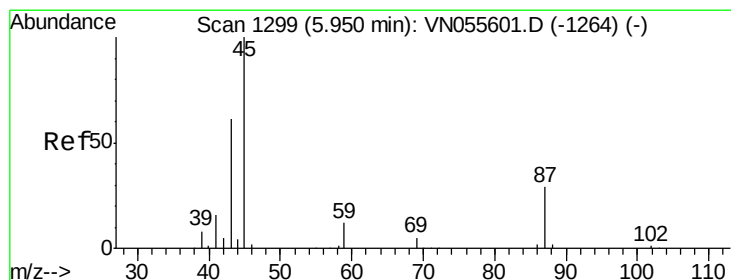
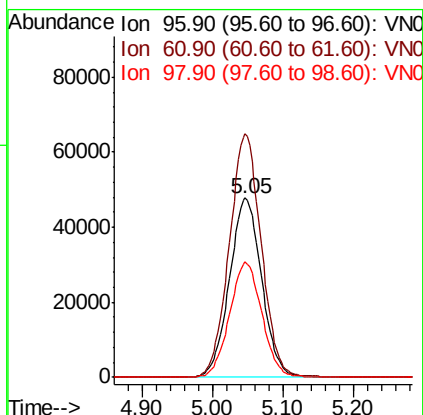
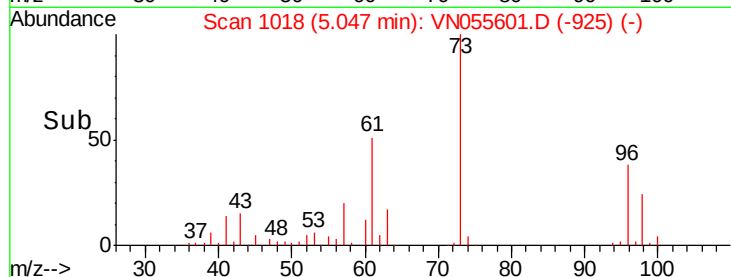
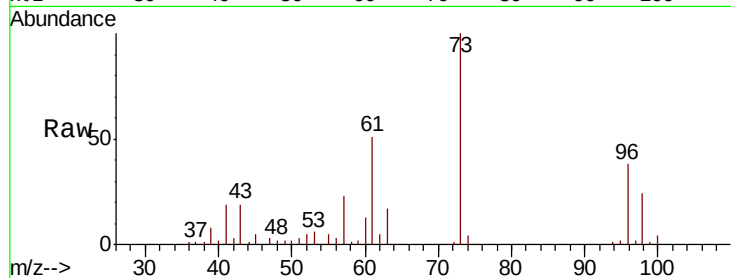




#21
trans-1,2-Dichloroethene
Concen: 48.454 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

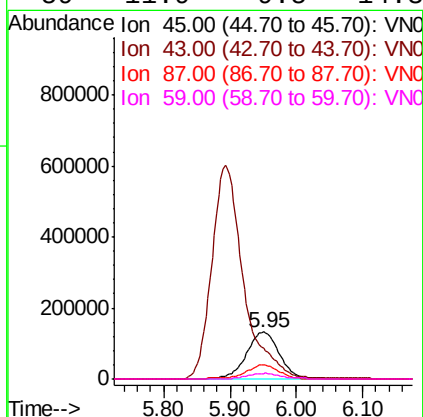
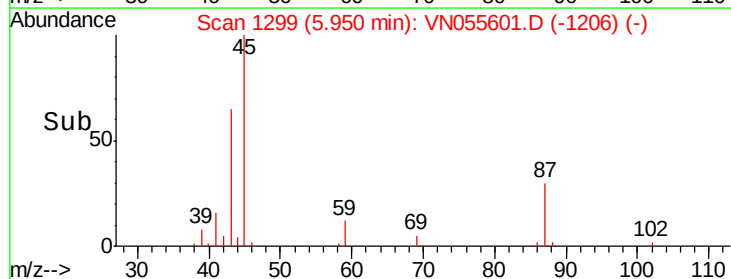
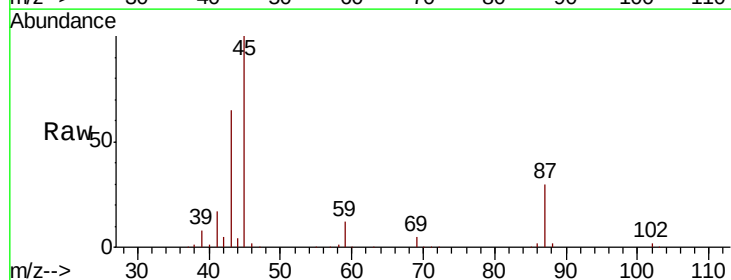
Instrument :
MSVOA_N
ClientSampled :

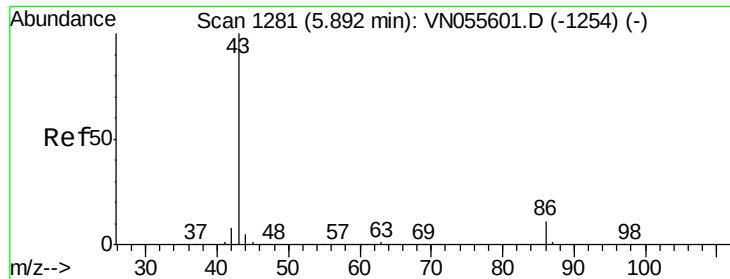
Tot Ion: 96 Resp: 152510
Ion Ratio Lower Upper
96 100
61 135.7 108.6 162.8
98 64.2 51.4 77.0



#22
Diisopropyl ether
Concen: 53.838 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion: 45 Resp: 460888
Ion Ratio Lower Upper
45 100
43 63.0 50.4 75.6
87 29.7 23.8 35.6
59 11.9 9.5 14.3





#23

Vinyl Acetate

Concen: 315.159 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

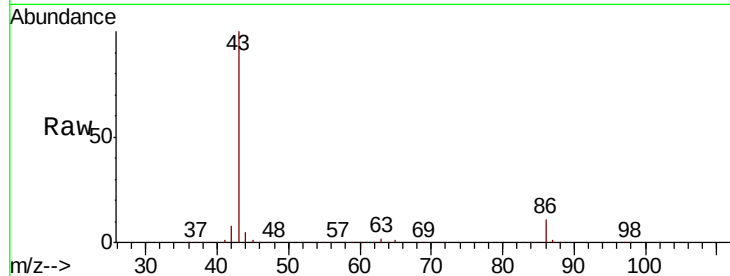
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2010782

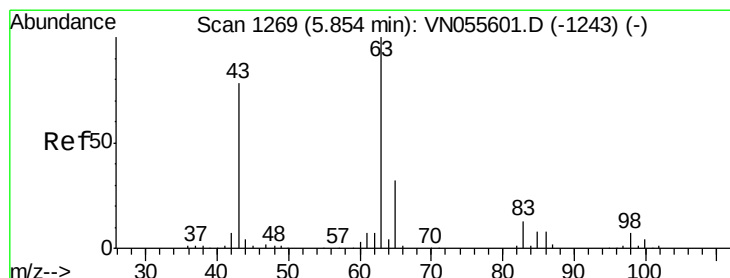
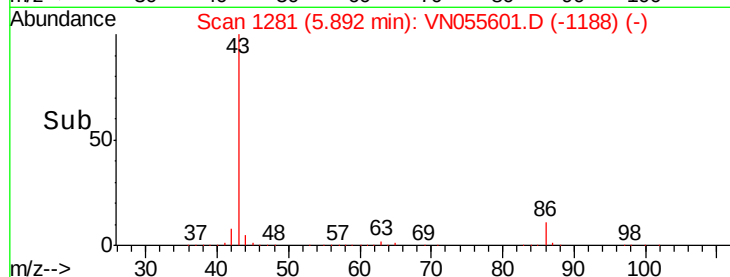
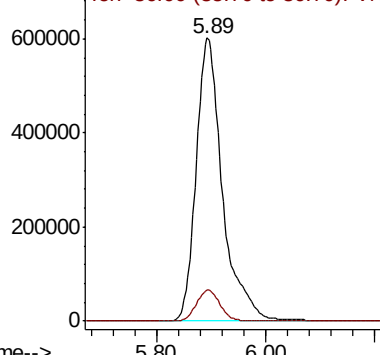
Ion Ratio Lower Upper

43 100

86 10.9 8.7 13.1



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



#24

1,1-Dichloroethane

Concen: 47.965 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

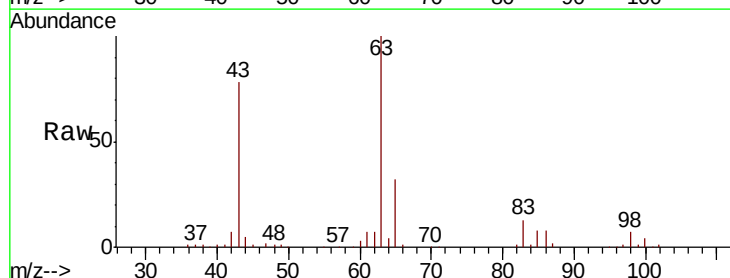
Tgt Ion: 63 Resp: 274759

Ion Ratio Lower Upper

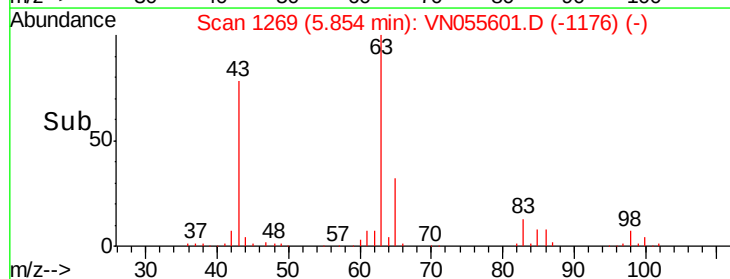
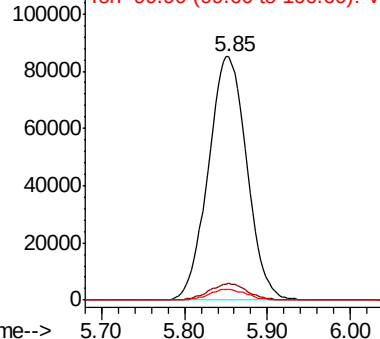
63 100

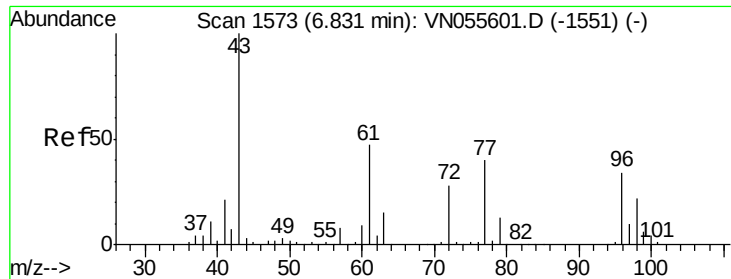
98 6.8 3.4 10.2

100 4.4 2.2 6.6



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

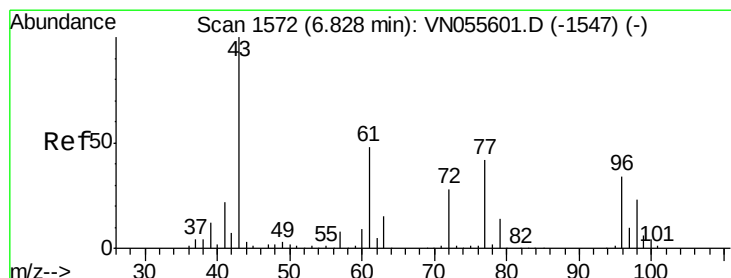
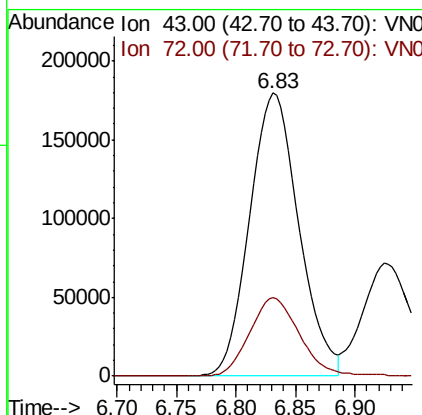
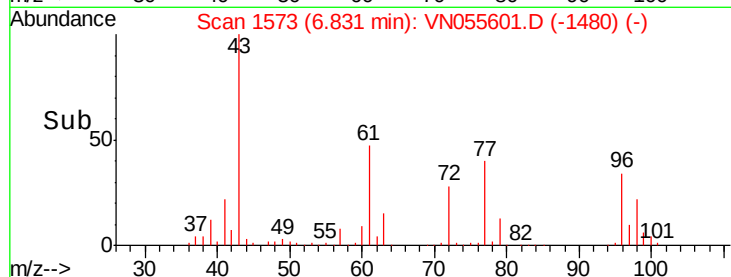
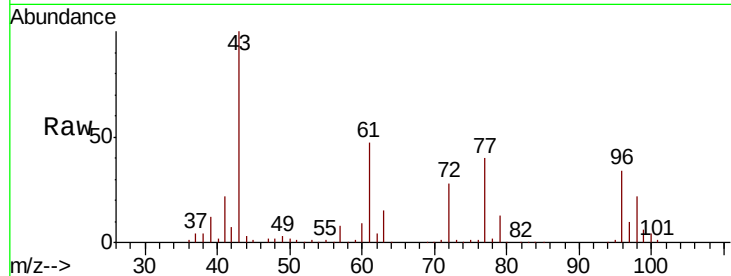




#25
2-Butanone
Concen: 387.511 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

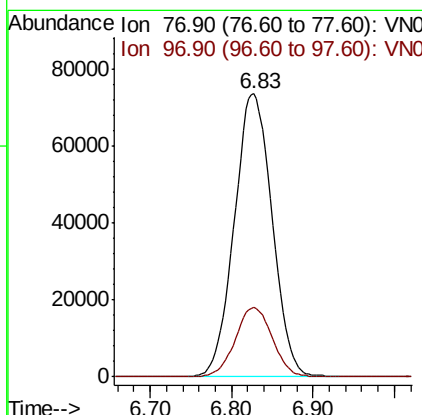
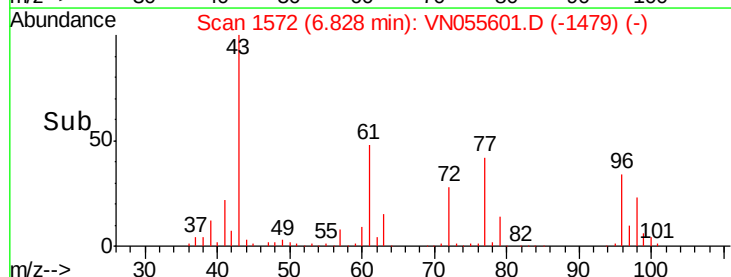
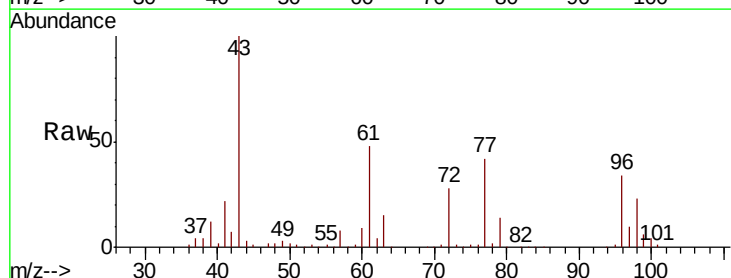
Instrument :
MSVOA_N
ClientSampled :

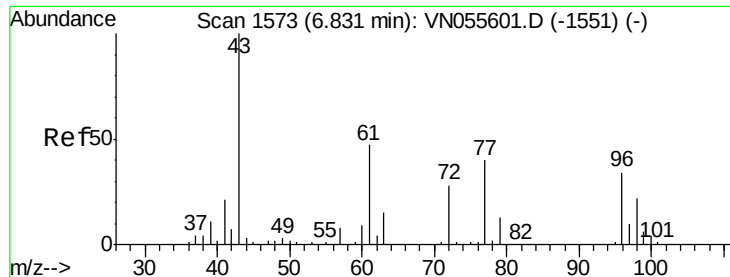
Tot Ion: 43 Resp: 512520
Ion Ratio Lower Upper
43 100
72 27.9 22.3 33.5



#26
2,2-Dichloropropane
Concen: 53.370 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion: 77 Resp: 236669
Ion Ratio Lower Upper
77 100
97 24.0 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 50.074 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

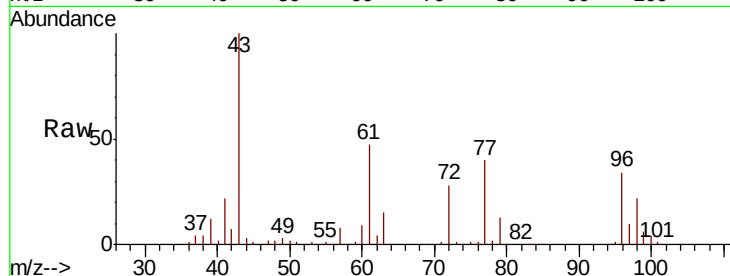
Tot Ion: 96 Resp: 177271

Ion Ratio Lower Upper

96 100

61 139.5 0.0 279.0

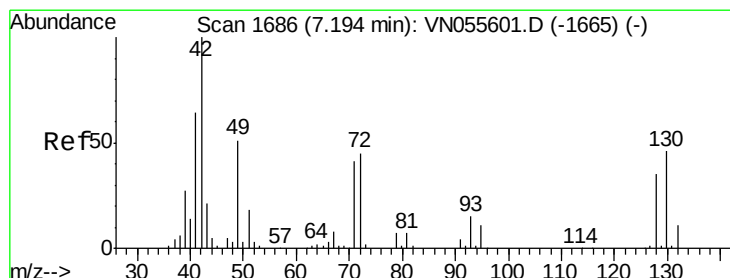
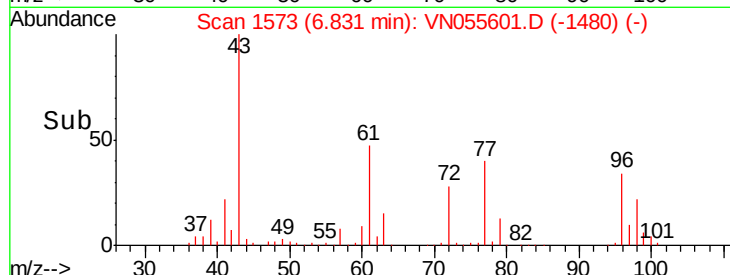
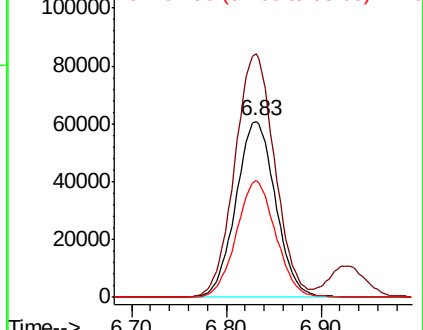
98 65.8 0.0 131.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.431 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

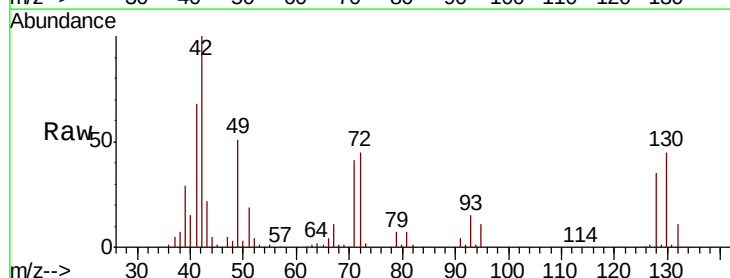
Tgt Ion: 49 Resp: 123643

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

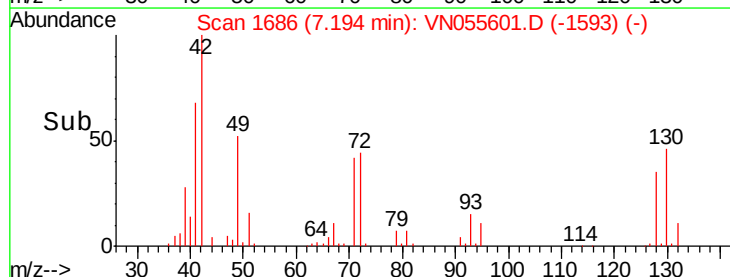
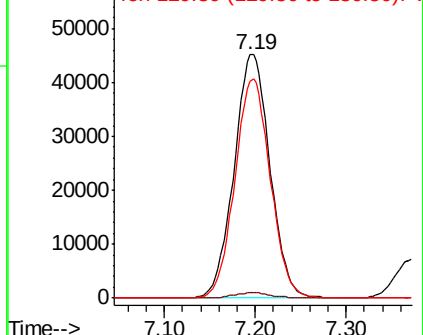
130 88.8 71.0 106.6

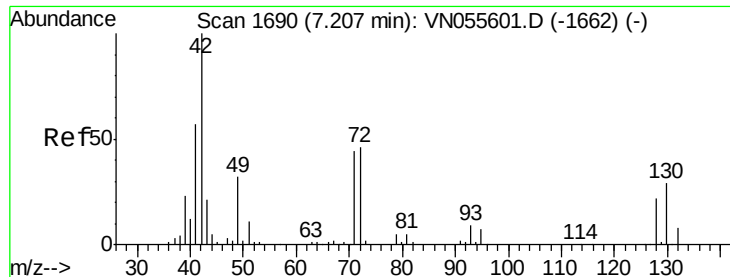


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

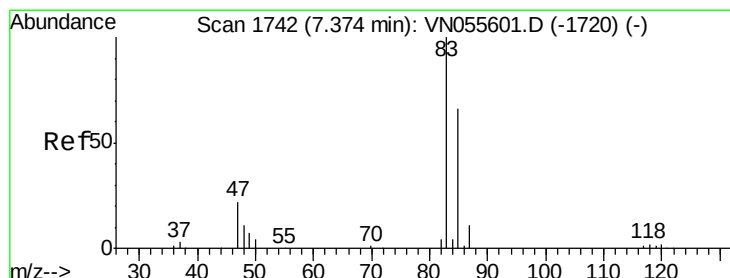
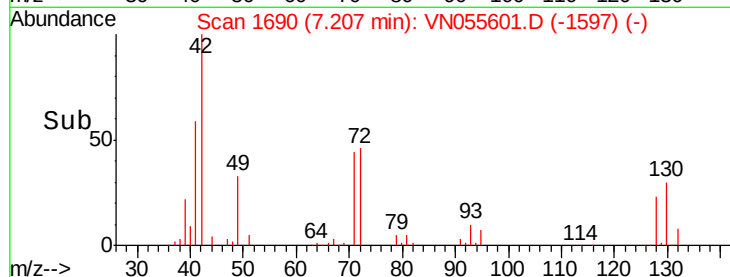
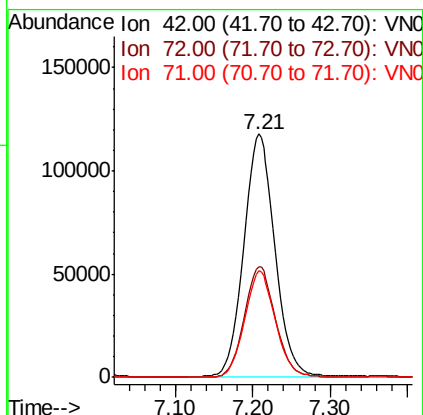
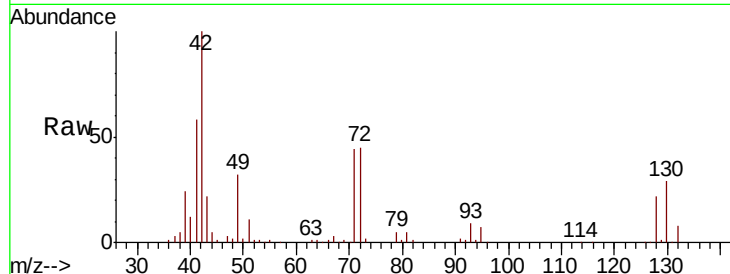




#29
Tetrahydrofuran
Concen: 386.619 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

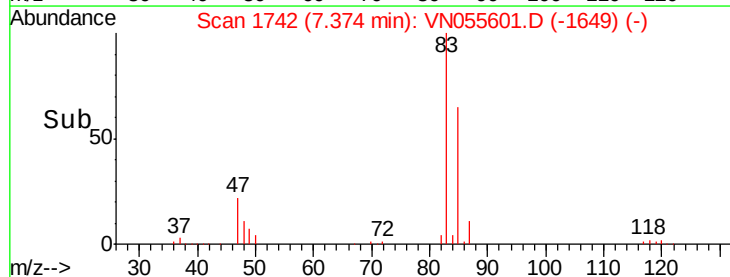
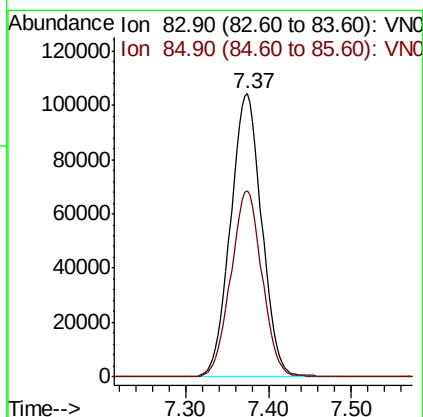
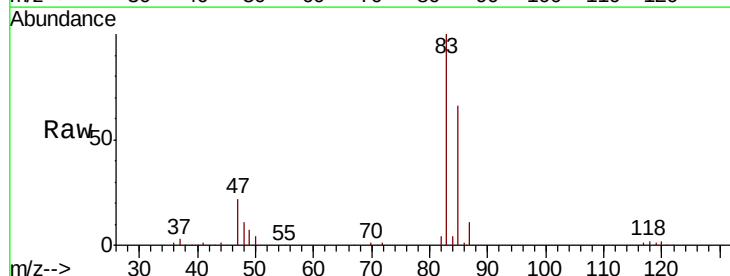
Instrument :
MSVOA_N
ClientSampleId :

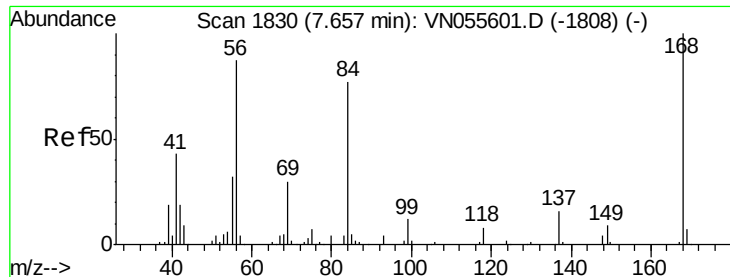
Tot Ion: 42 Resp: 329459
Ion Ratio Lower Upper
42 100
72 45.6 36.5 54.7
71 43.6 34.9 52.3



#30
Chloroform
Concen: 47.467 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion: 83 Resp: 273141
Ion Ratio Lower Upper
83 100
85 65.7 52.6 78.8

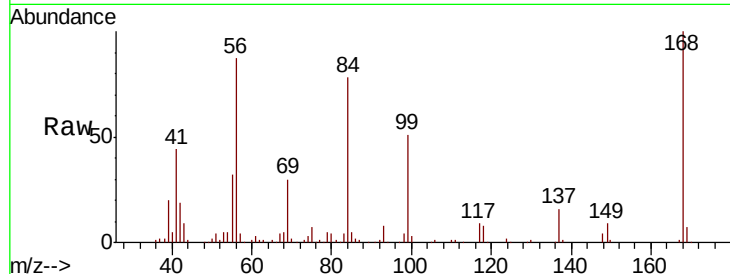




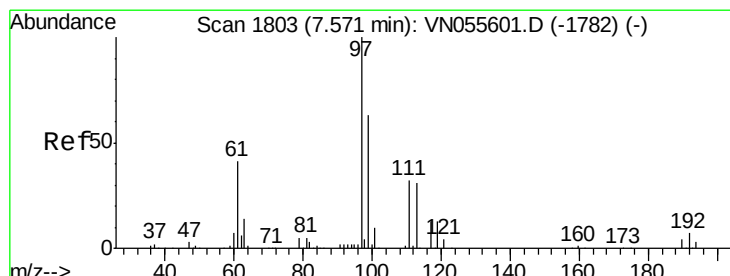
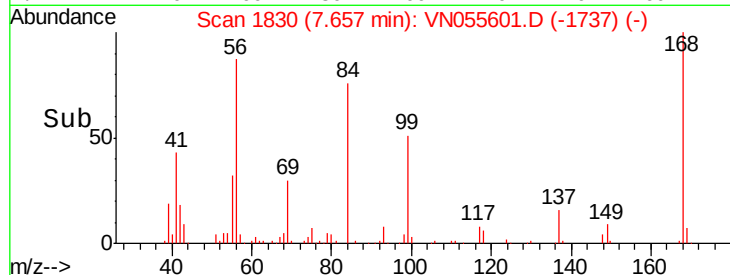
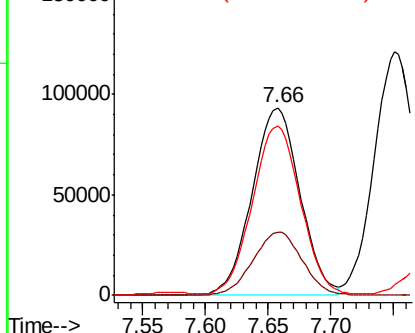
#31
Cyclohexane
Concen: 41.654 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 248107
Ion Ratio Lower Upper
56 100
69 34.0 27.2 40.8
84 89.1 71.3 106.9

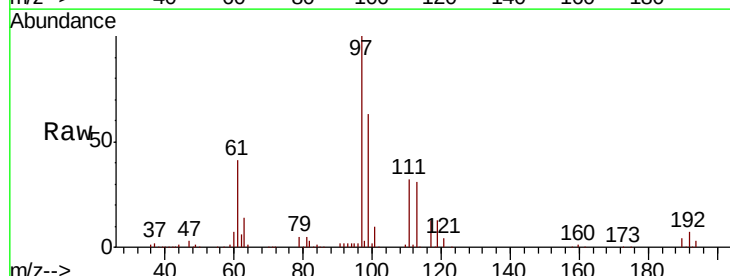


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

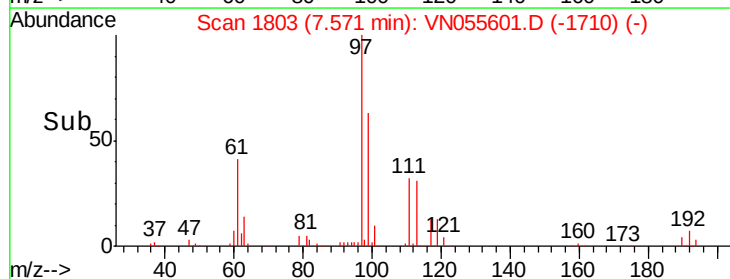
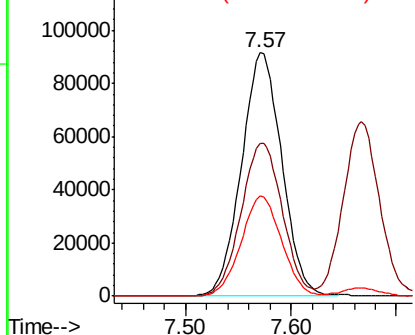


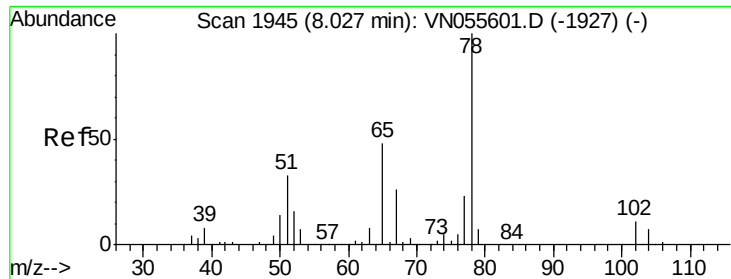
#32
1,1,1-Trichloroethane
Concen: 49.248 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion: 97 Resp: 243974
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 41.1 32.9 49.3



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





#33

1,2-Dichloroethane-d4

Concen: 52.643 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

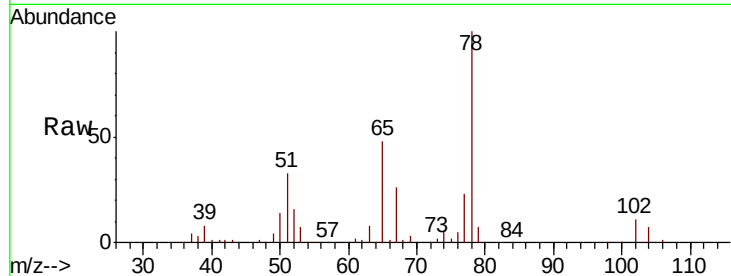
ClientSampleId :

Tot Ion: 65 Resp: 177168

Ion Ratio Lower Upper

65 100

67 54.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN055601.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN055601.D (-1927) (-)

8.03

80000

60000

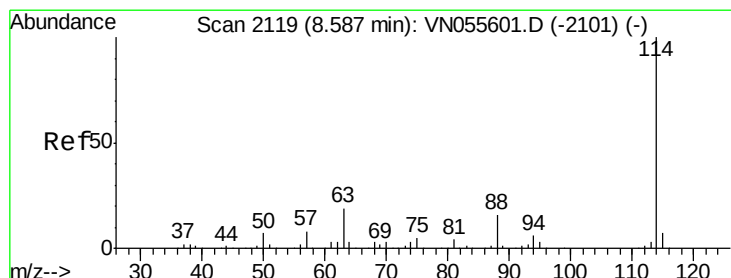
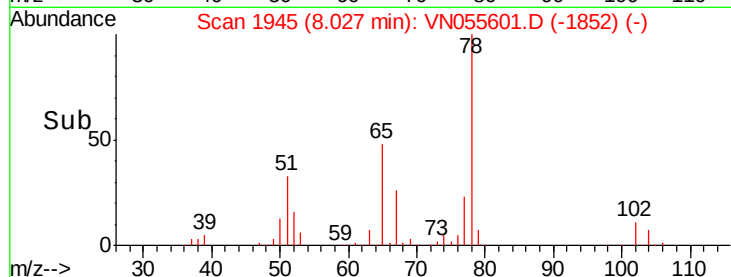
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

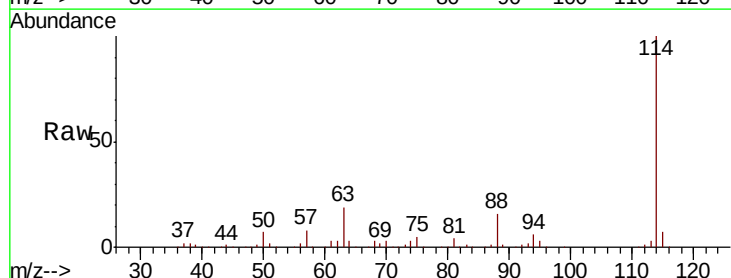
Tgt Ion: 114 Resp: 490236

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.2

88 15.5 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN055601.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN055601.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN055601.D (-2101) (-)

8.59

300000

250000

200000

150000

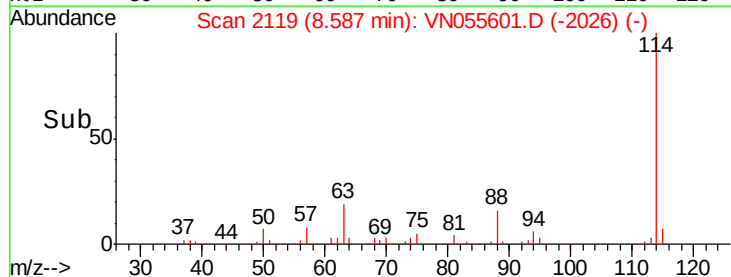
100000

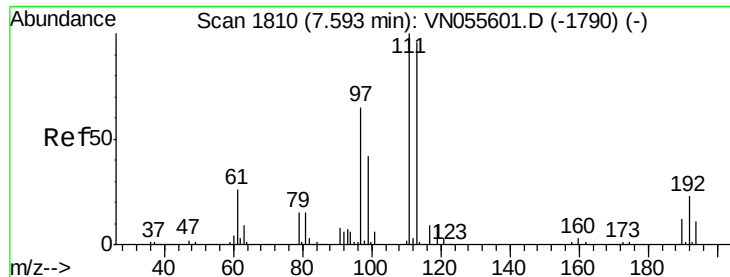
50000

0

8.50 8.60 8.70

Time-->

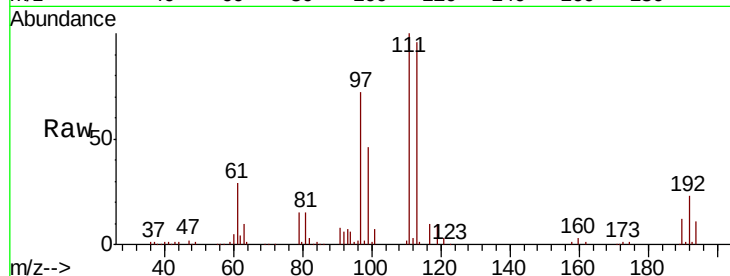




#35
 Dibromofluoromethane
 Concen: 49.030 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.5	123.7
192	23.4	18.7	28.1

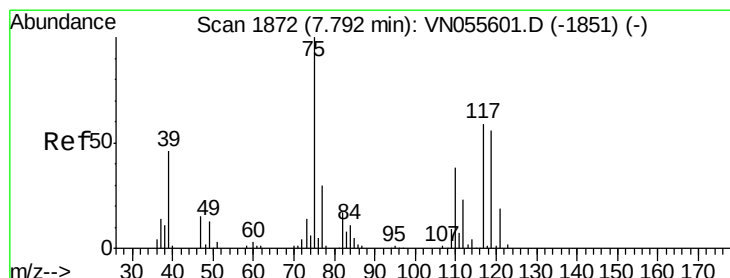
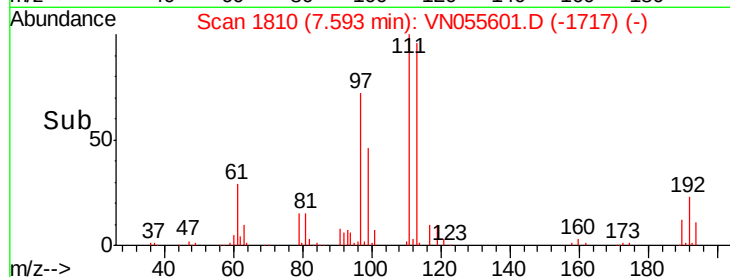
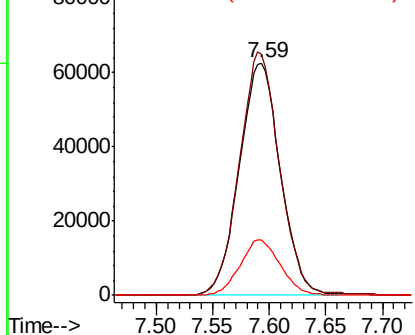


Abundance

Ion 112.80 (112.50 to 113.50): V

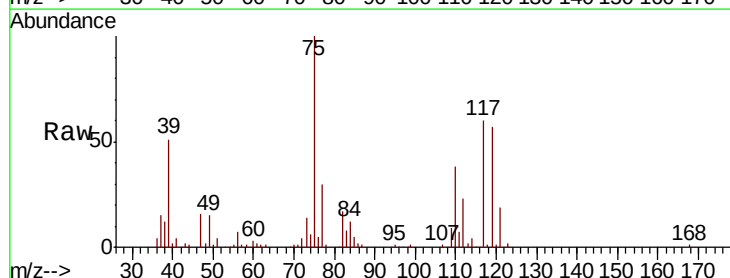
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 47.176 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.6	55.6
77	31.1	24.9	37.3

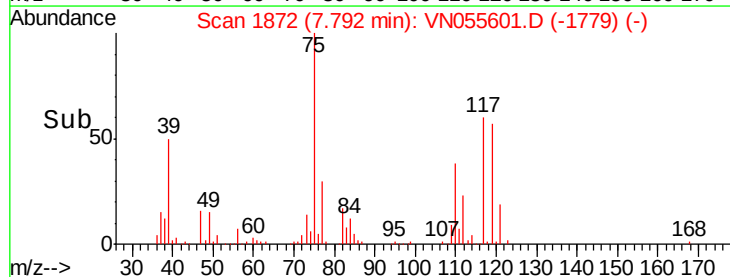
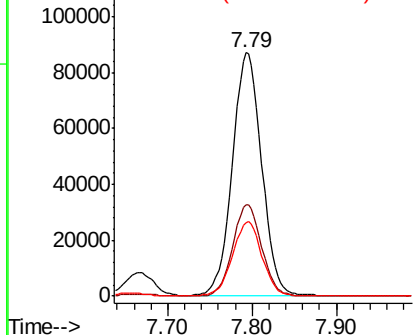


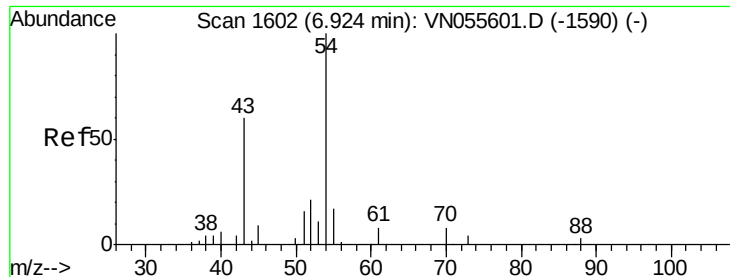
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

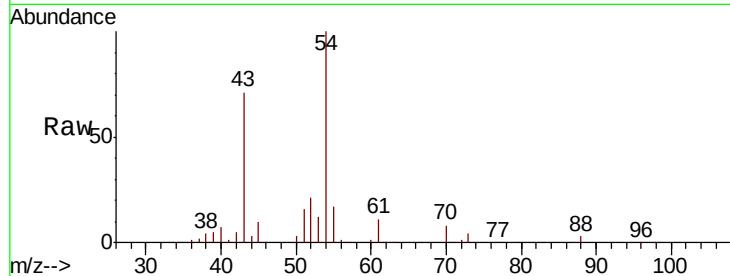




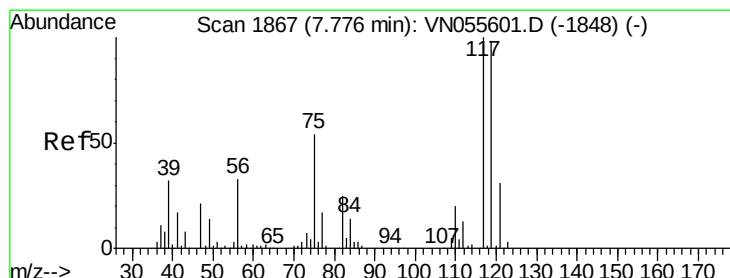
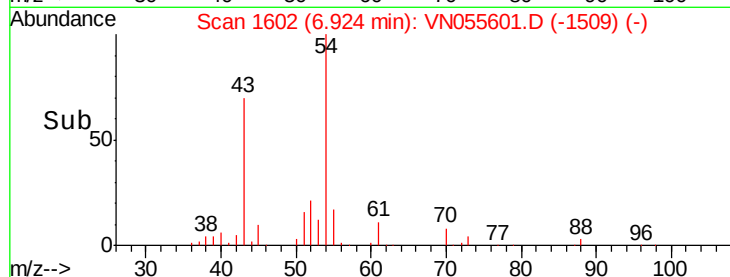
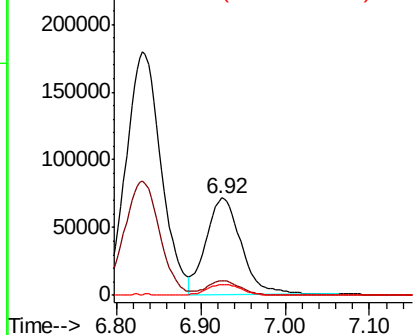
#37
Ethyl Acetate
Concen: 75.547 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 206955
Ion Ratio Lower Upper
43 100
61 14.2 11.4 17.0
70 11.5 9.2 13.8

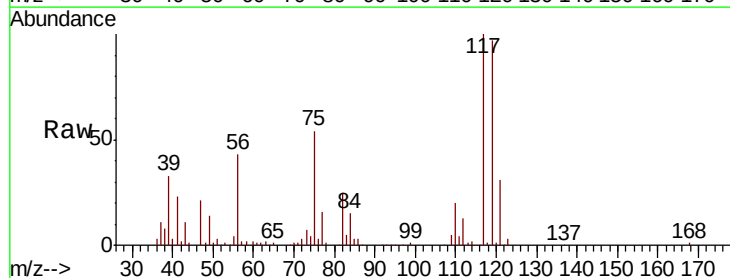


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

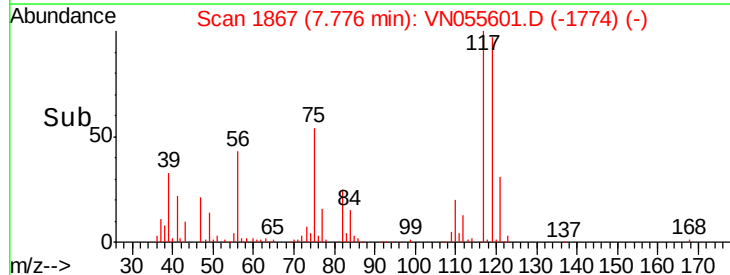
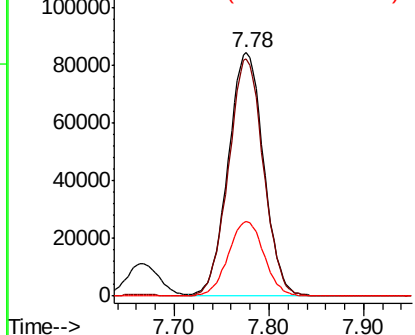


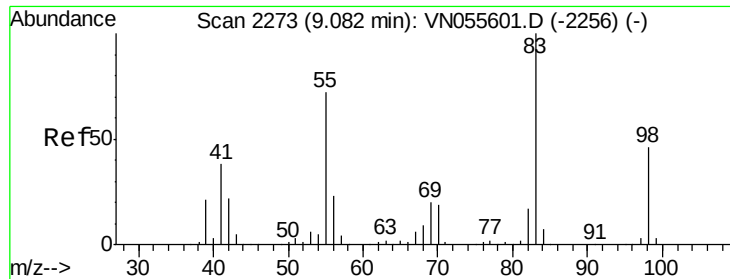
#38
Carbon Tetrachloride
Concen: 45.772 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion: 117 Resp: 220266
Ion Ratio Lower Upper
117 100
119 97.3 77.8 116.8
121 30.8 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

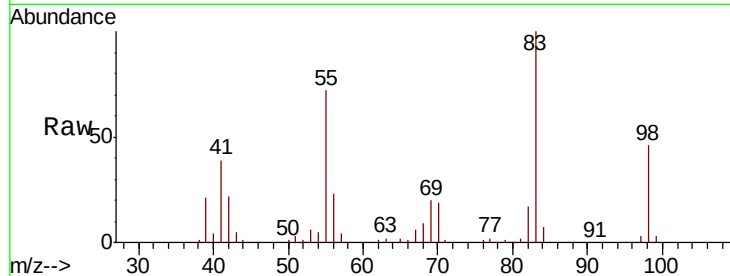




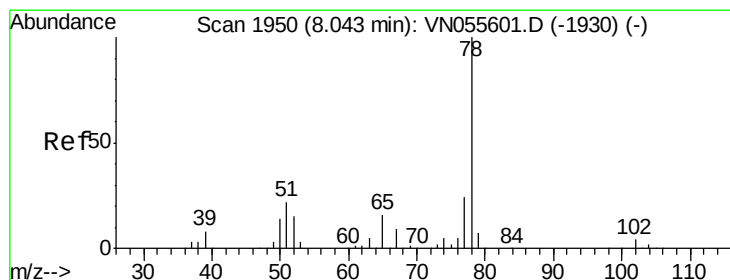
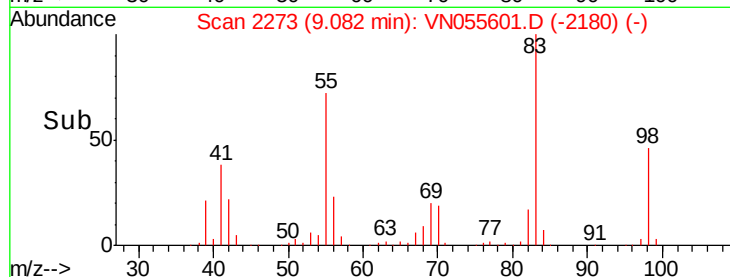
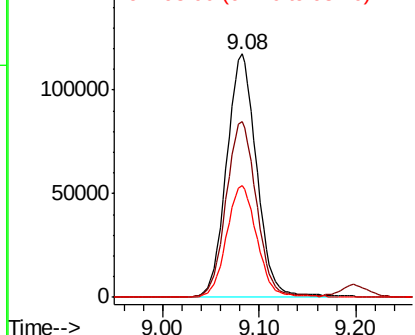
#39
Methylvlcyclohexane
Concen: 49.387 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 253658
Ion Ratio Lower Upper
83 100
55 72.2 57.8 86.6
98 45.9 36.7 55.1

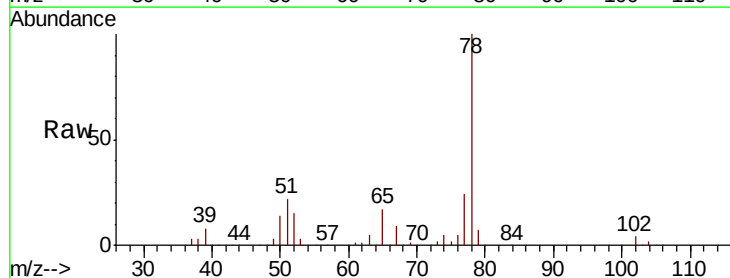


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

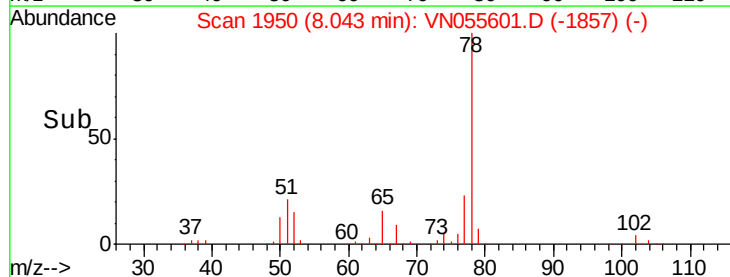
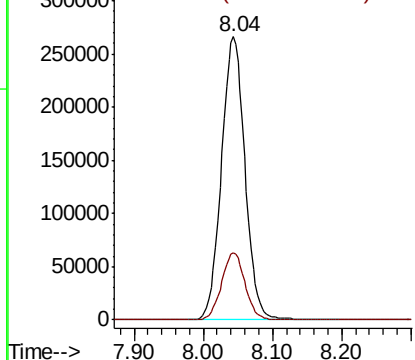


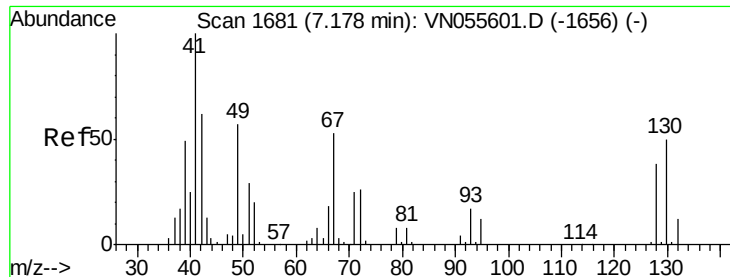
#40
Benzene
Concen: 47.776 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion: 78 Resp: 628909
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3



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

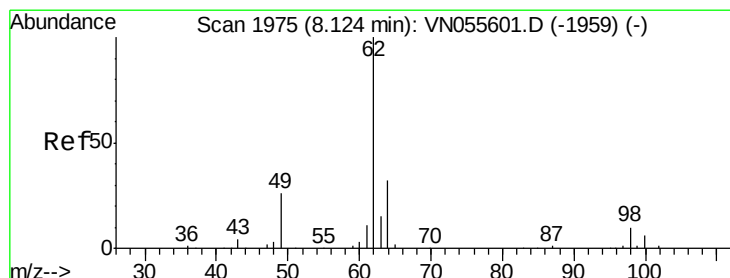
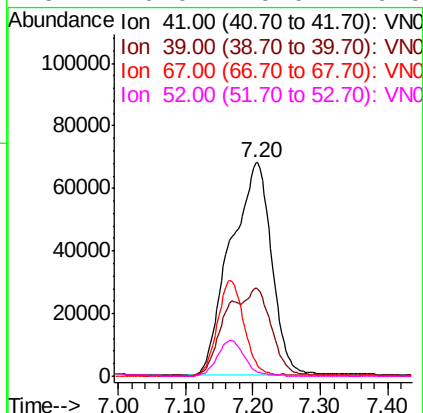
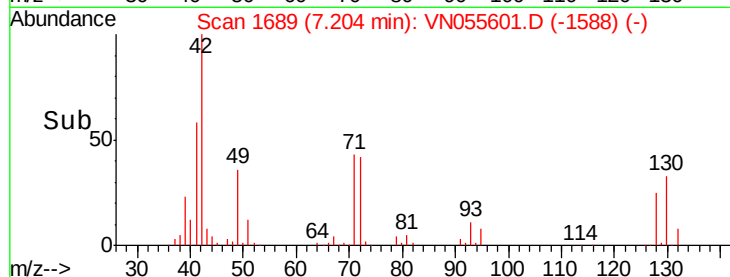
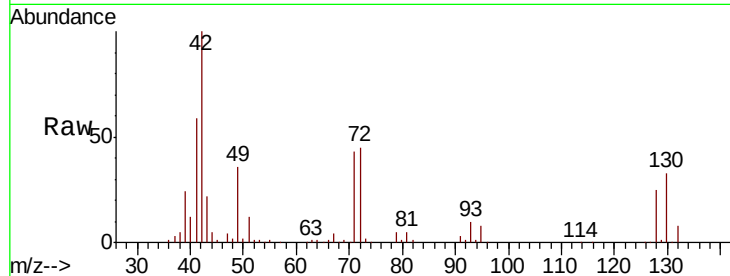




#41
Methacrylonitrile
Concen: 207.122 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.03 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

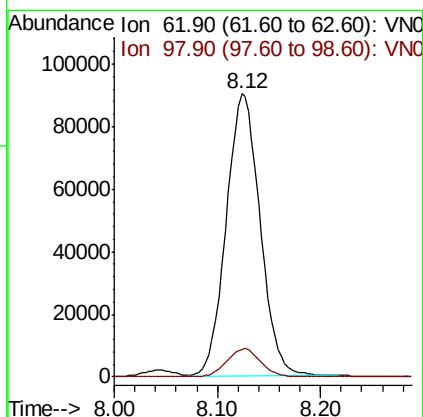
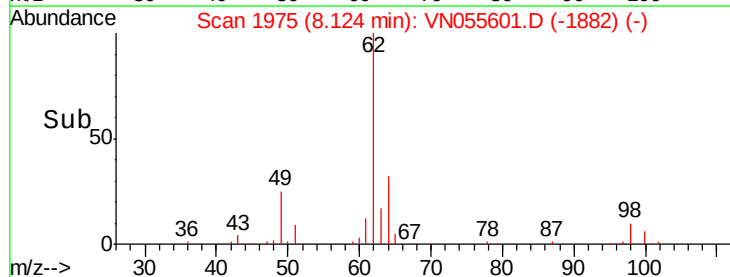
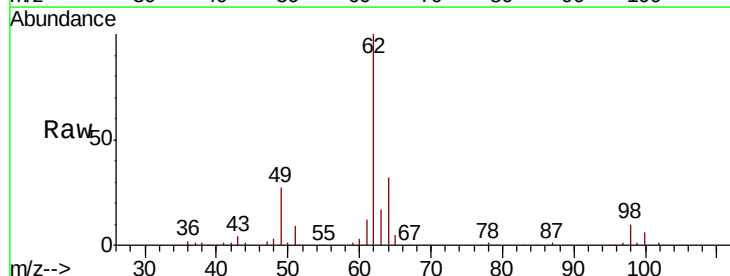
Instrument :
MSVOA_N
ClientSampleId :

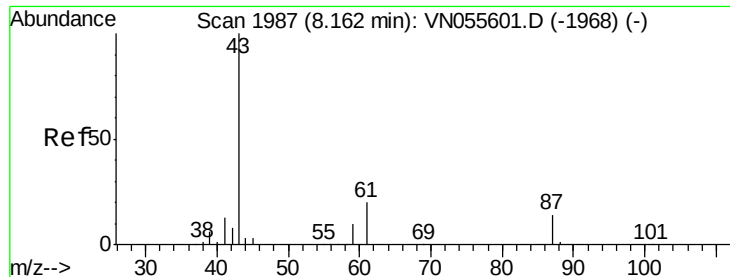
Tot Ion: 41 Resp: 290032
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 51.600 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion: 62 Resp: 207005
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.2





#43

Isopropyl Acetate

Concen: 65.046 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

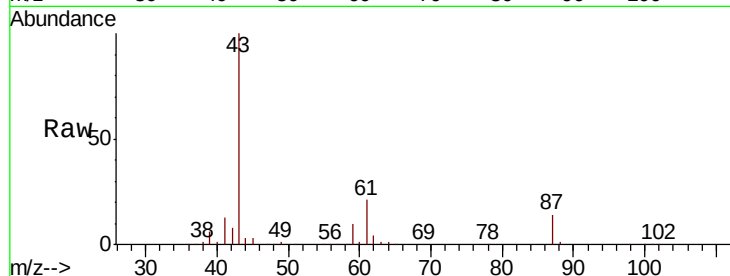
Tot Ion: 43 Resp: 337152

Ion Ratio Lower Upper

43 100

61 27.6 22.1 33.1

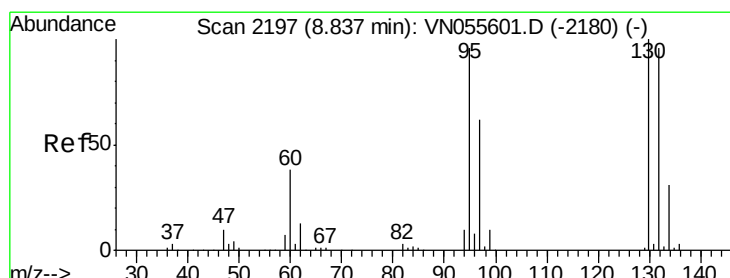
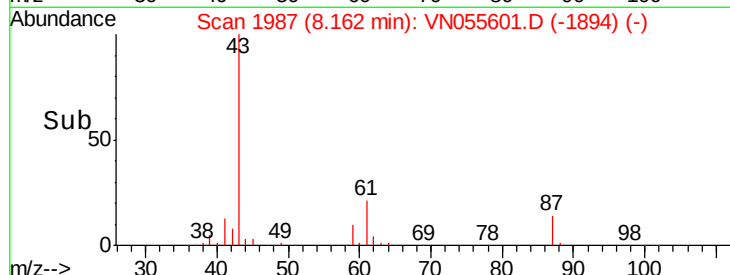
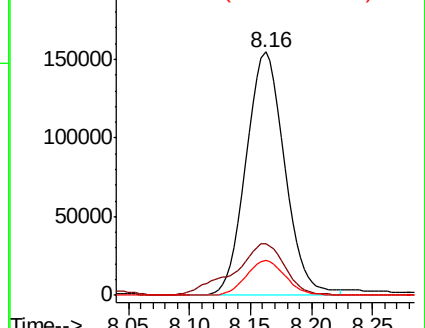
87 14.7 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055601.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055601.D (-1968) (-)



#44

Trichloroethene

Concen: 48.314 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055601.D

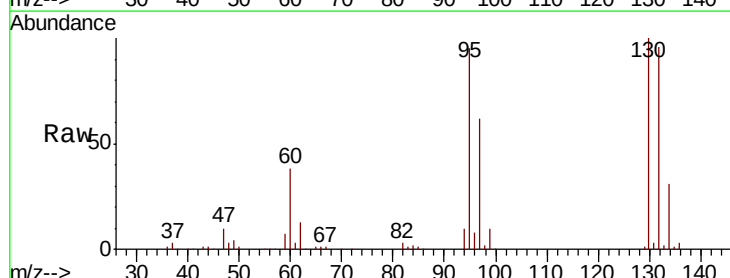
Acq: 17 May 2019 10:39

Tgt Ion:130 Resp: 178273

Ion Ratio Lower Upper

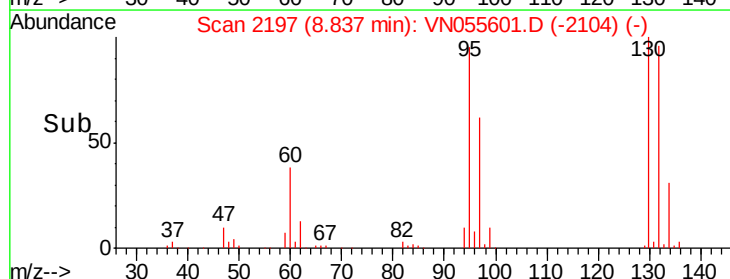
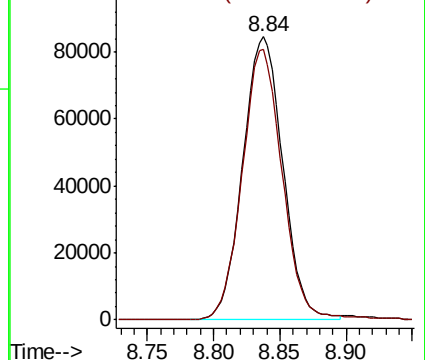
130 100

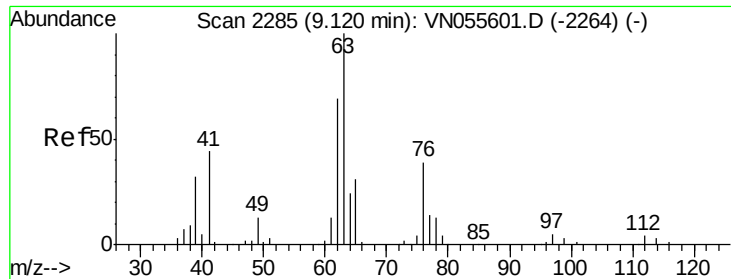
95 95.5 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN055601.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055601.D (-2180) (-)

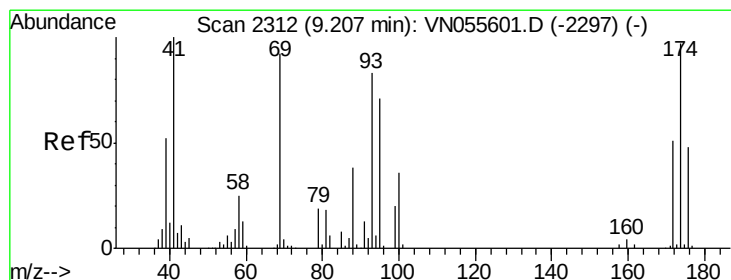
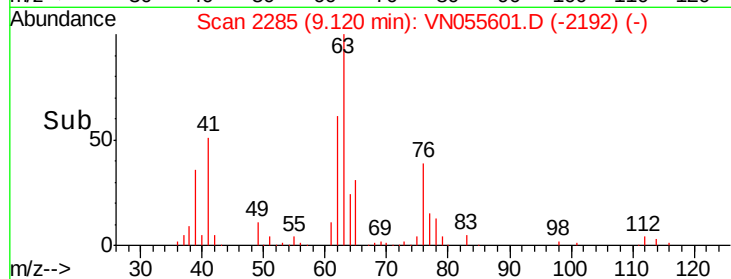
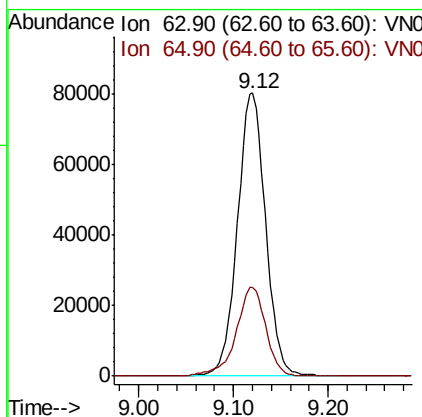
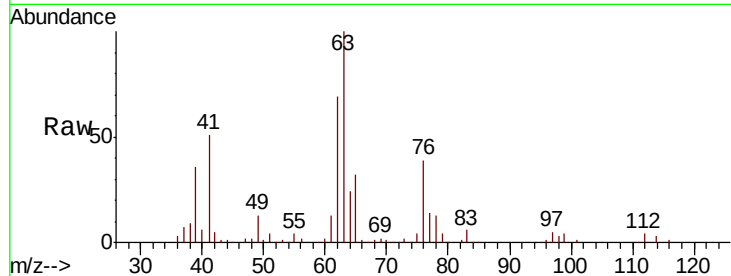




#45
 1,2-Dichloropropane
 Concen: 49.221 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

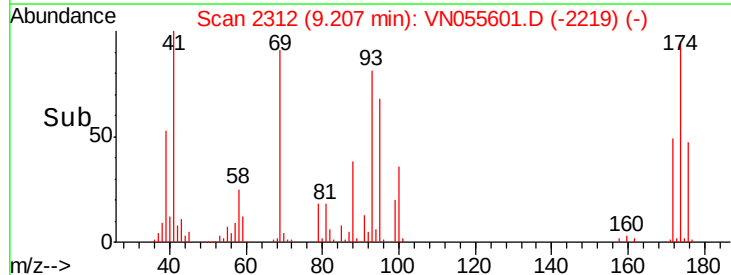
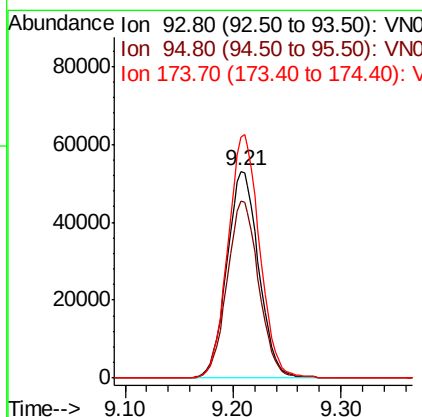
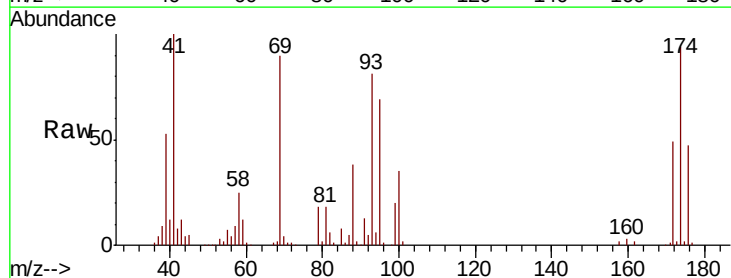
Instrument :
 MSVOA_N
 ClientSampled :

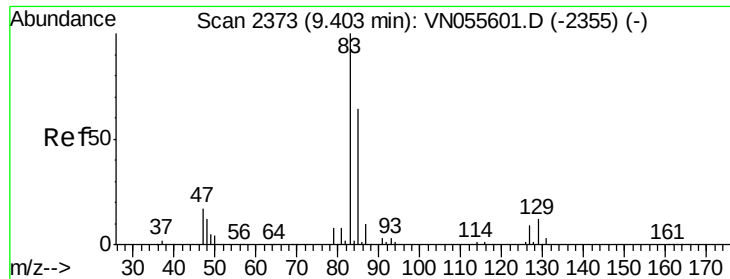
Tot Ion: 63 Resp: 166369
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.2 37.8



#46
 Dibromomethane
 Concen: 52.998 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion: 93 Resp: 109390
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.9 101.9
 174 117.2 93.8 140.6





#47

Bromodichloromethane

Concen: 52.121 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

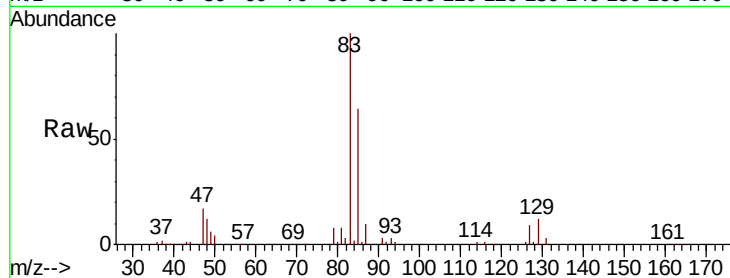
Tot Ion: 83 Resp: 225792

Ion Ratio Lower Upper

83 100

85 64.2 51.4 77.0

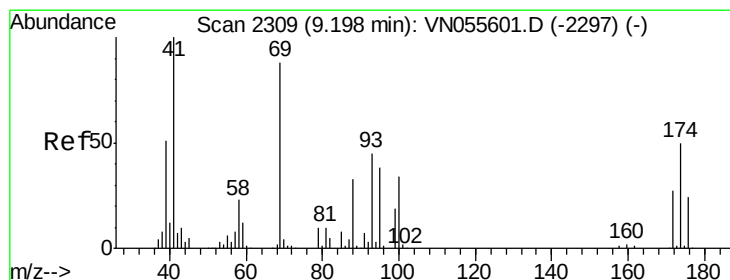
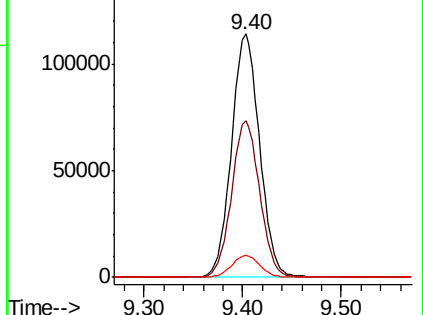
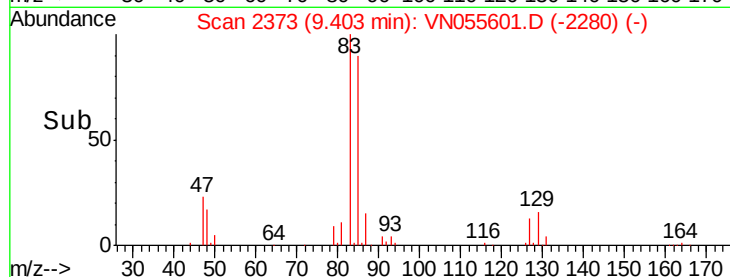
127 8.9 7.1 10.7



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: 71.170 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

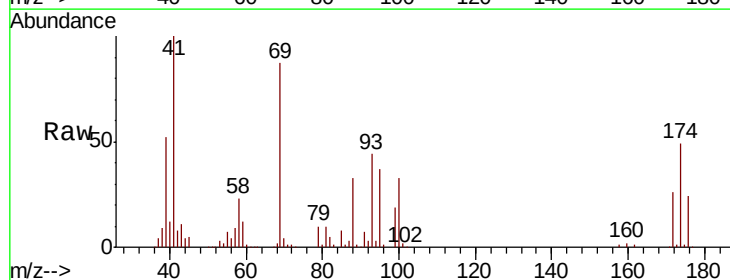
Tgt Ion: 41 Resp: 158804

Ion Ratio Lower Upper

41 100

69 92.7 74.2 111.2

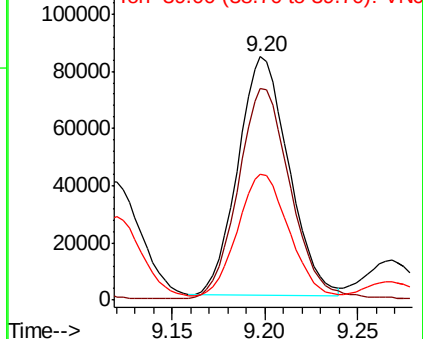
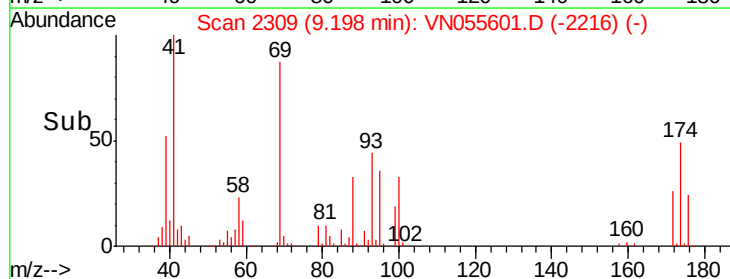
39 54.8 43.8 65.8

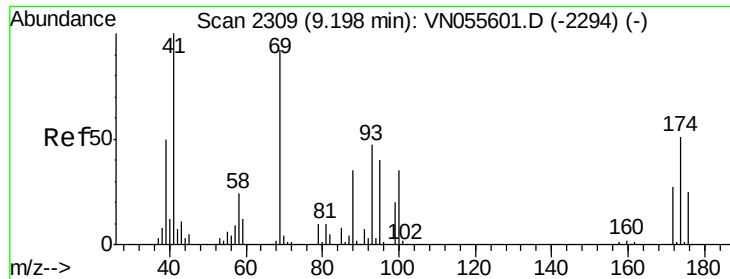


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

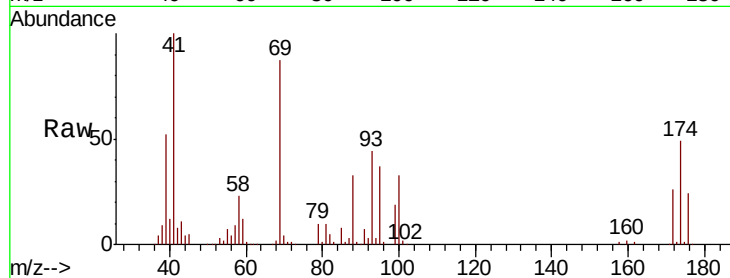




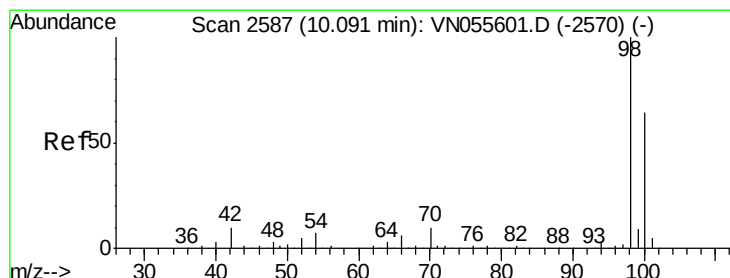
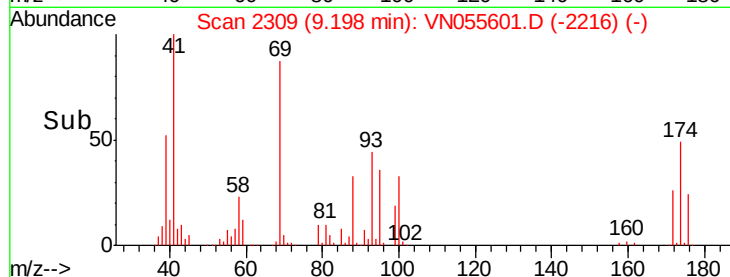
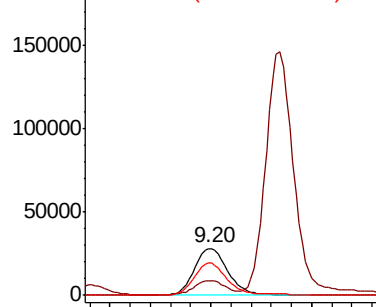
#49
1,4-Dioxane
Concen: 1818.448 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 65772
Ion Ratio Lower Upper
88 100
43 28.0 22.4 33.6
58 66.8 53.4 80.2

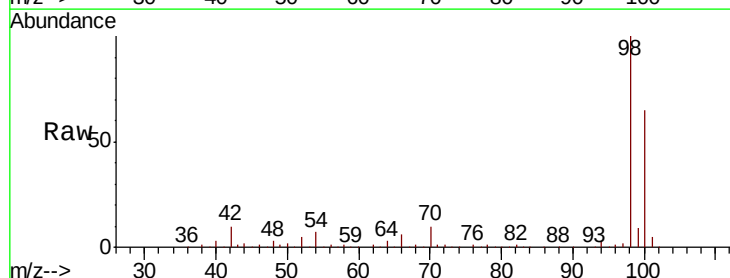


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

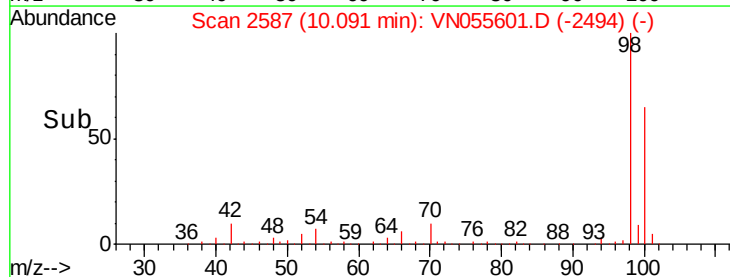
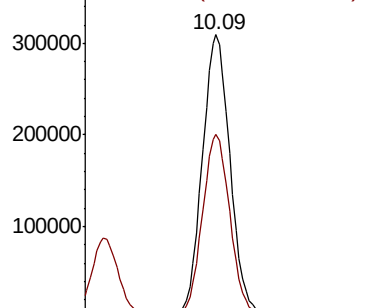


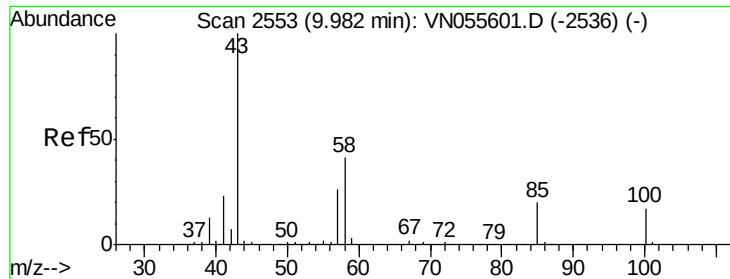
#50
Toluene-d8
Concen: 51.358 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion: 98 Resp: 592410
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 399.739 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

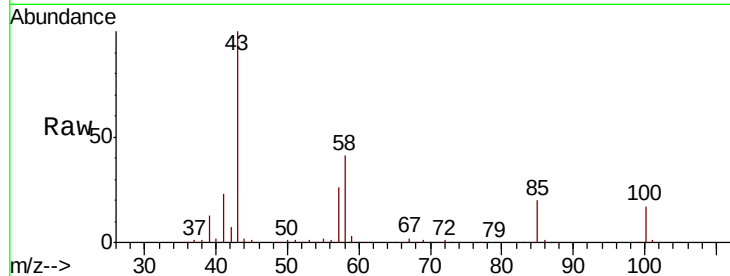
ClientSampleId :

Tot Ion: 43 Resp: 987753

Ion Ratio Lower Upper

43 100

58 40.9 32.7 49.1



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

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

9.98

600000

500000

400000

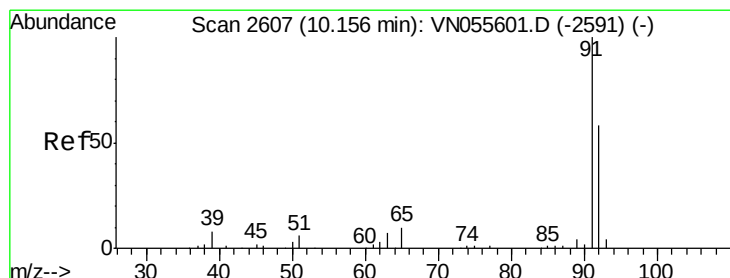
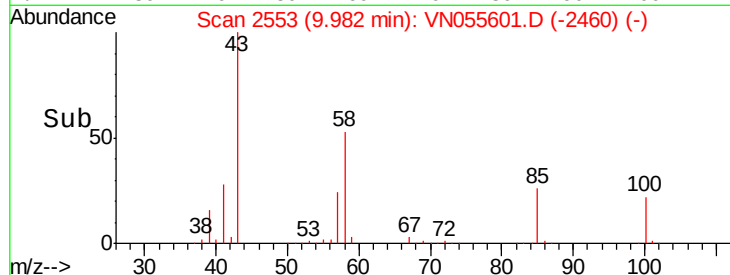
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.572 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055601.D

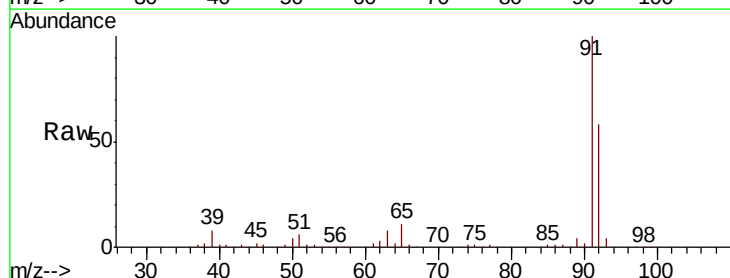
Acq: 17 May 2019 10:39

Tgt Ion: 92 Resp: 393519

Ion Ratio Lower Upper

92 100

91 173.6 138.9 208.3



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

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

10.16

400000

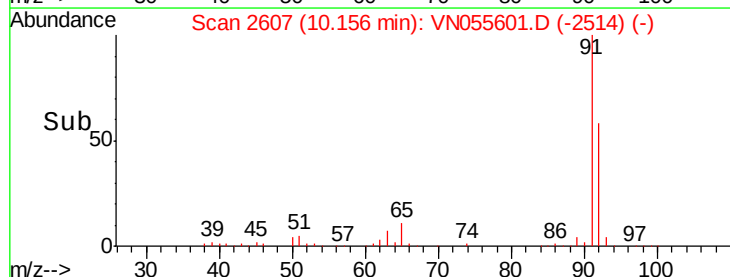
300000

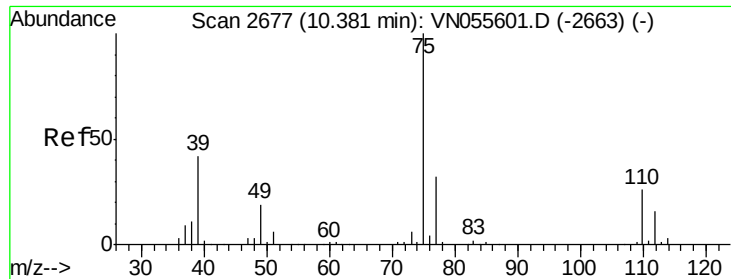
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 59.048 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

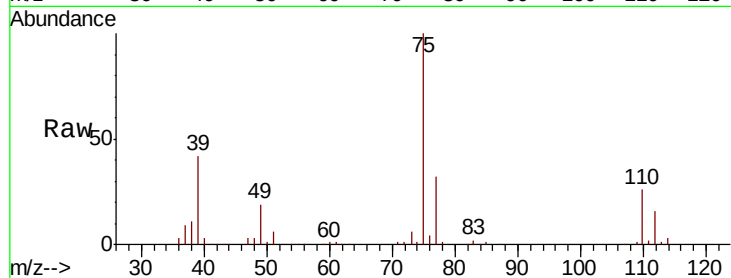
ClientSampleId :

Tot Ion: 75 Resp: 252371

Ion Ratio Lower Upper

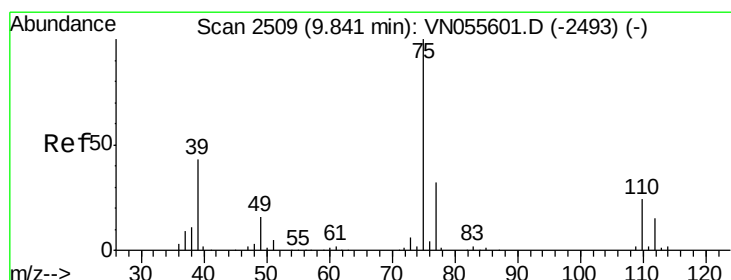
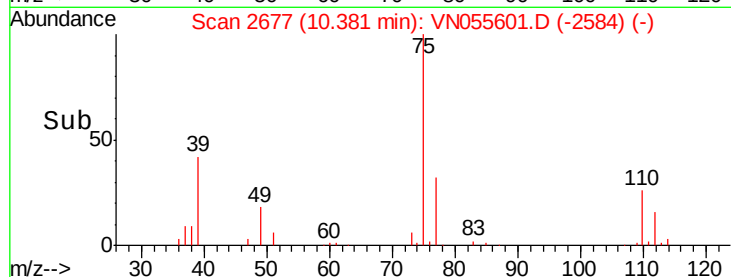
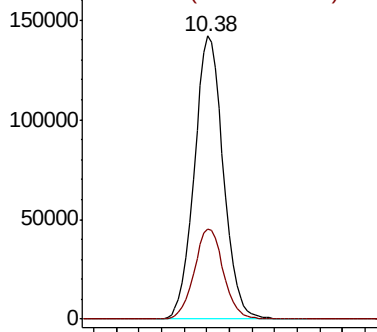
75 100

77 31.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 55.895 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

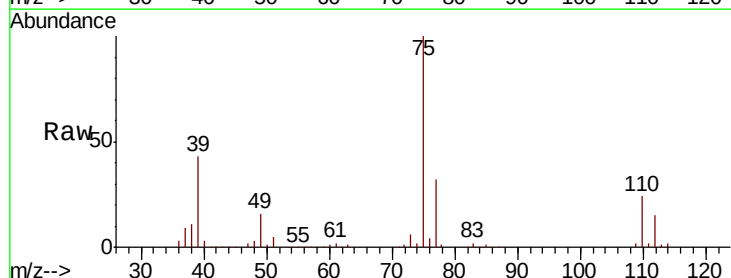
Tgt Ion: 75 Resp: 275532

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

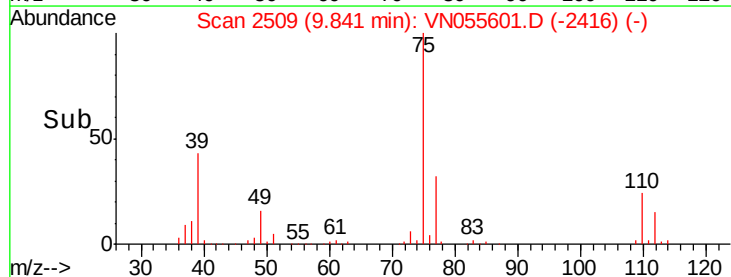
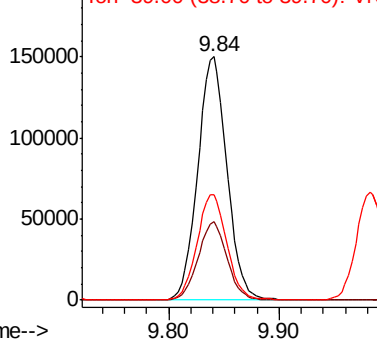
39 43.4 34.7 52.1

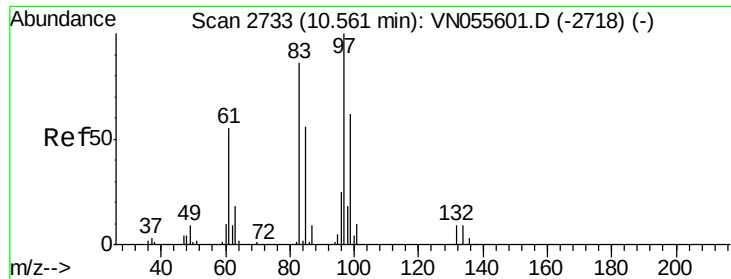


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 54.898 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 159508

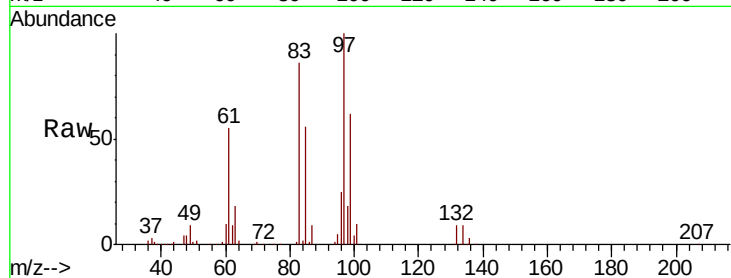
Ion Ratio Lower Upper

97 100

83 85.5 68.4 102.6

85 56.0 44.8 67.2

99 62.4 49.9 74.9



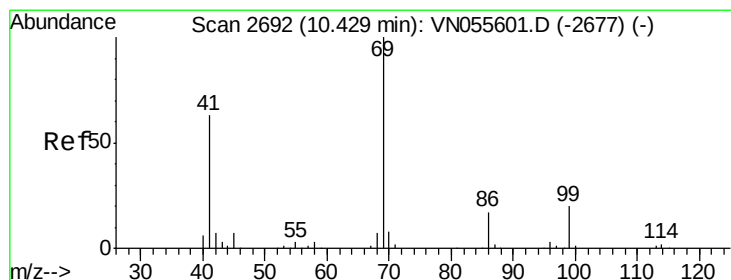
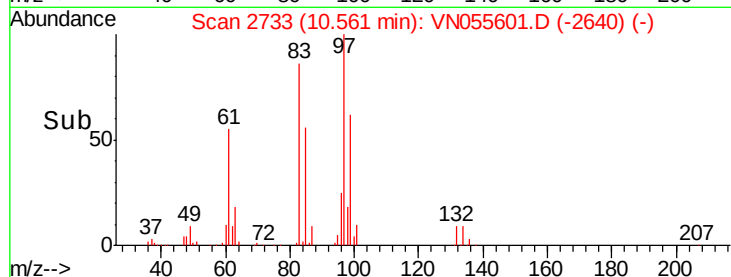
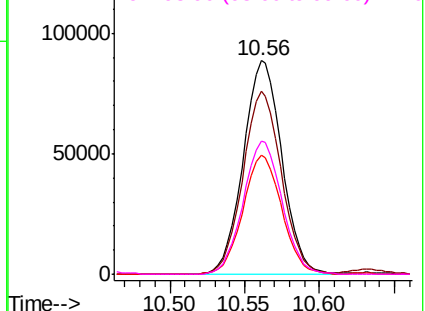
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 72.559 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

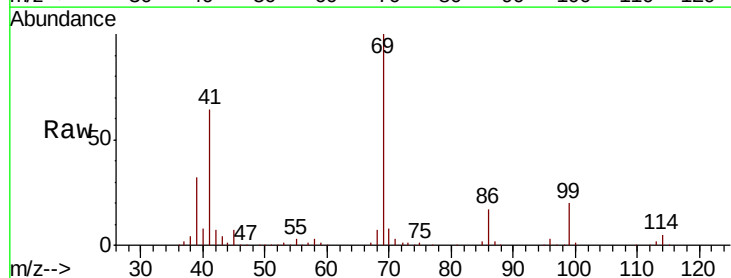
Tgt Ion: 69 Resp: 252087

Ion Ratio Lower Upper

69 100

41 62.9 50.3 75.5

39 31.8 25.4 38.2

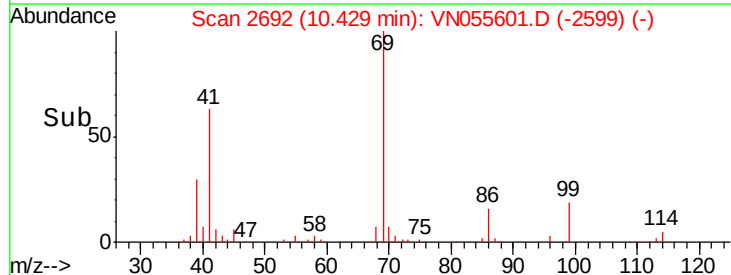
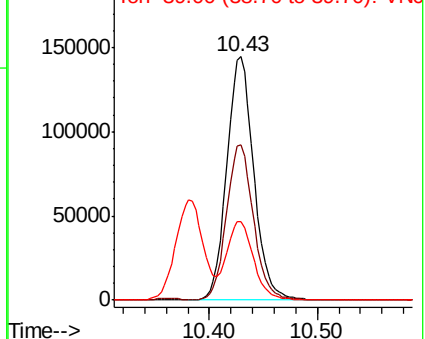


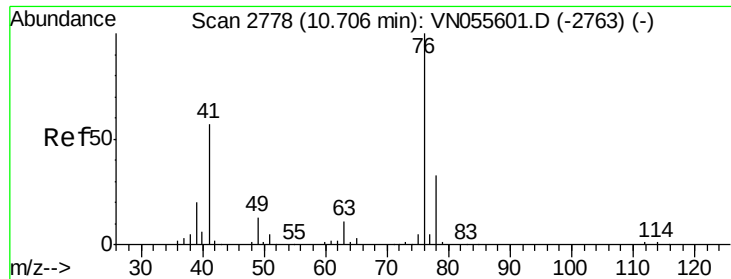
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

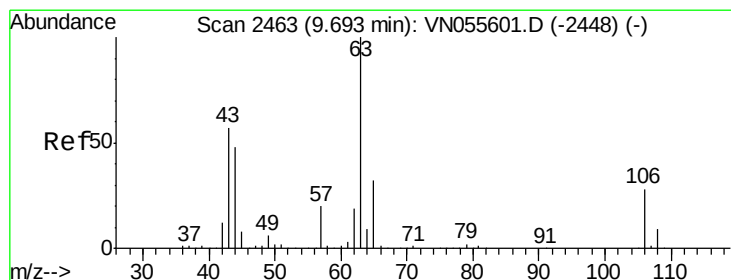
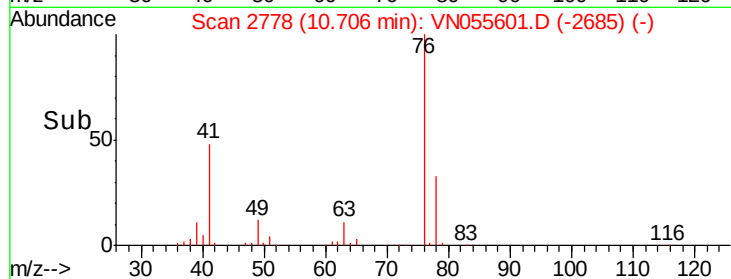
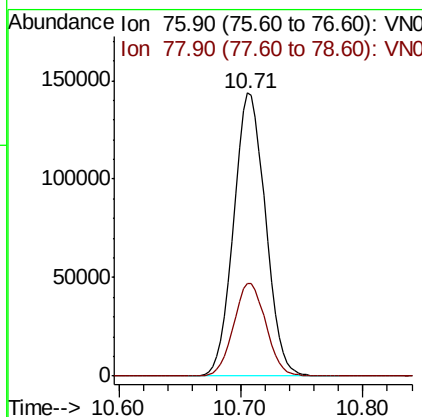
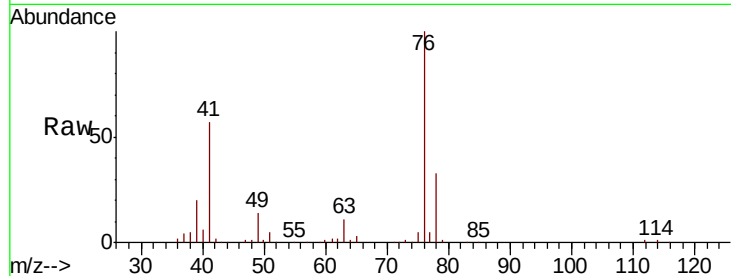




#57
 1,3-Dichloropropane
 Concen: 54.052 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

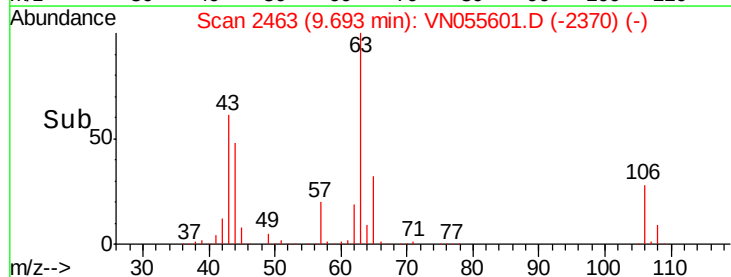
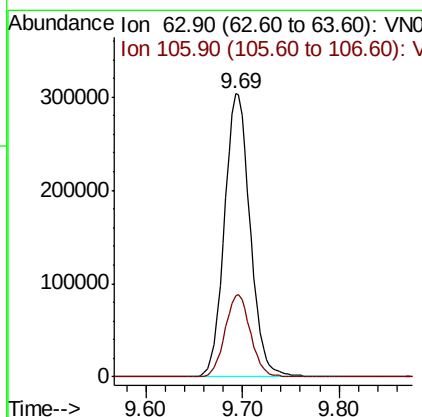
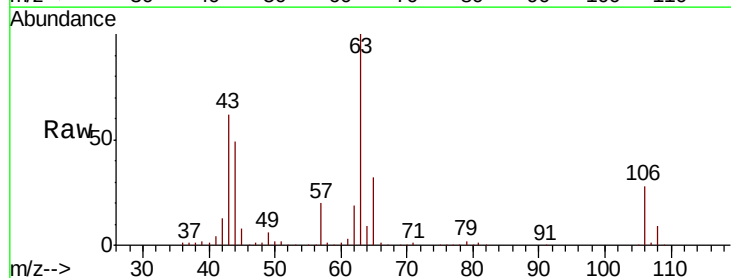
Instrument :
 MSVOA_N
 ClientSampleId :

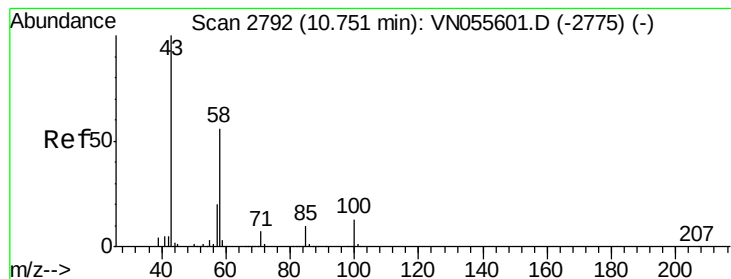
Tot Ion: 76 Resp: 260125
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.5 39.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 365.345 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion: 63 Resp: 558959
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.0 34.6





#59

2-Hexanone

Concen: 423.205 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

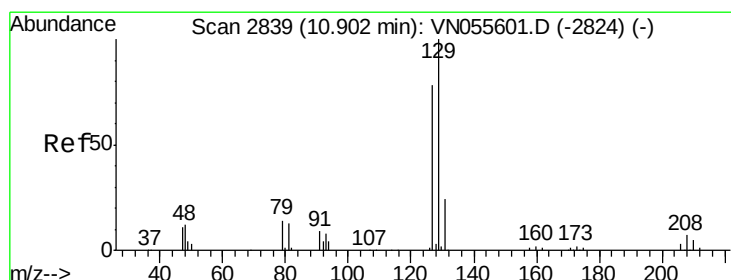
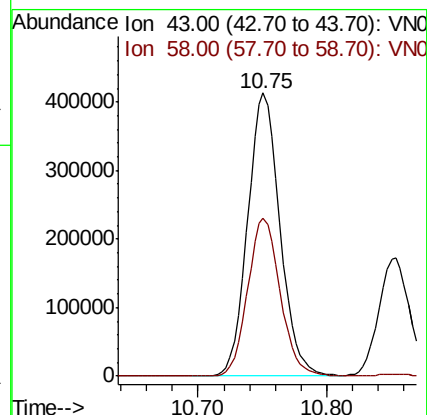
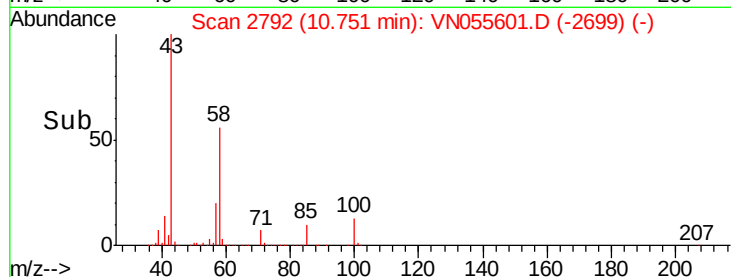
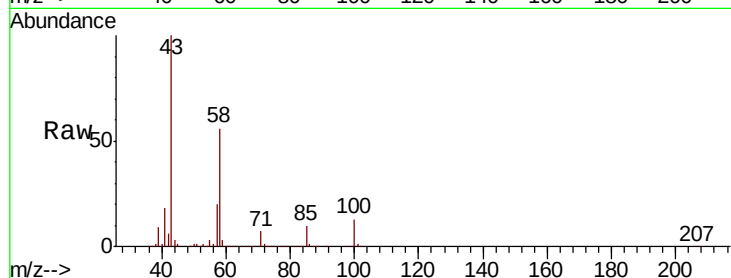
ClientSampleId :

Tot Ion: 43 Resp: 718695

Ion Ratio Lower Upper

43 100

58 56.3 28.1 84.4



#60

Dibromochloromethane

Concen: 55.620 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055601.D

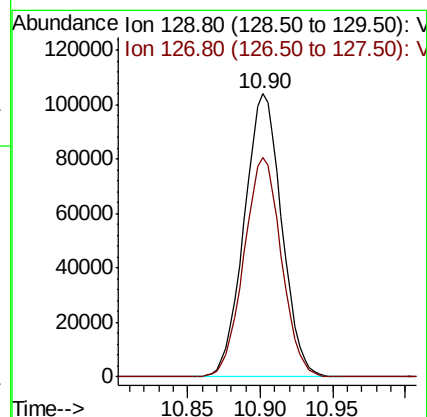
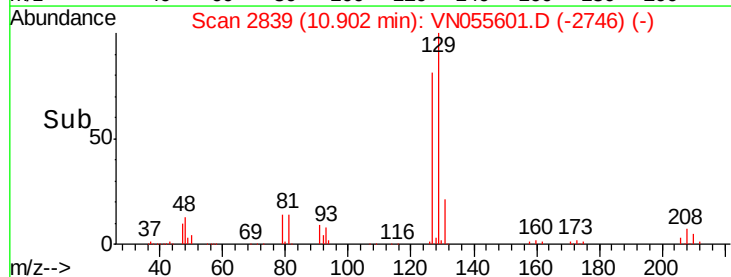
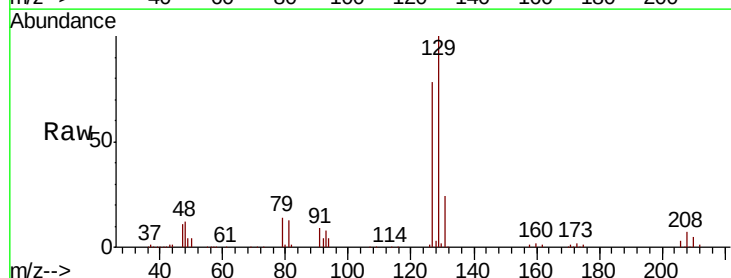
Acq: 17 May 2019 10:39

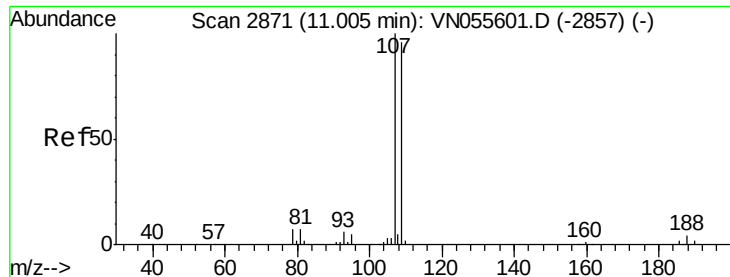
Tgt Ion: 129 Resp: 187291

Ion Ratio Lower Upper

129 100

127 77.2 38.6 115.8

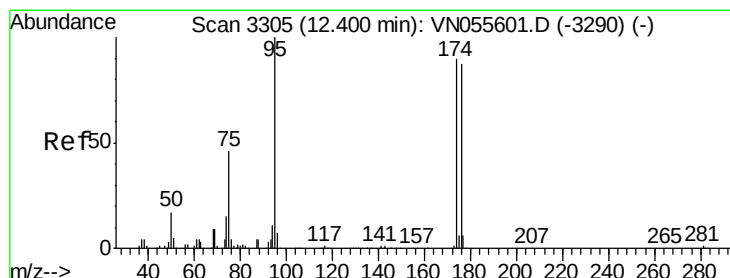
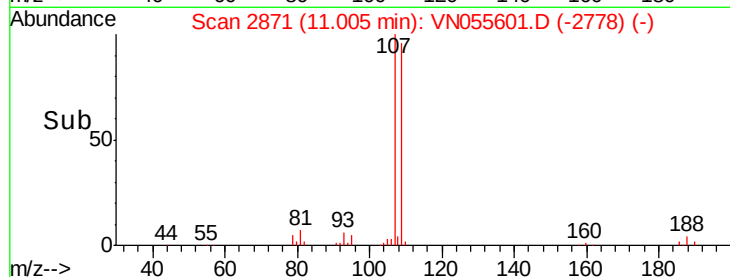
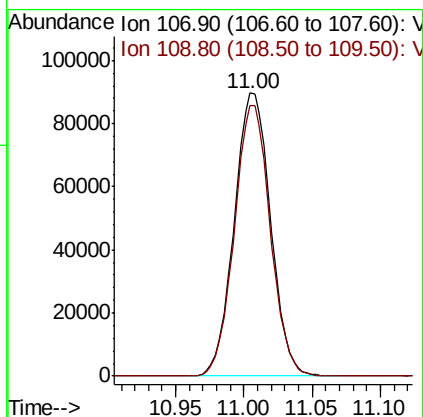
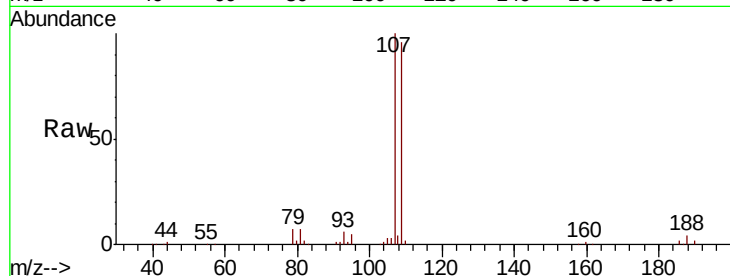




#61
 1,2-Dibromoethane
 Concen: 57.360 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

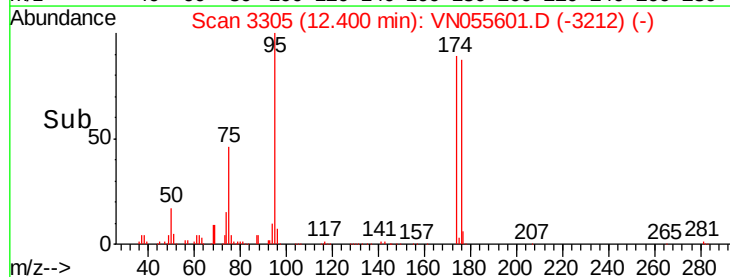
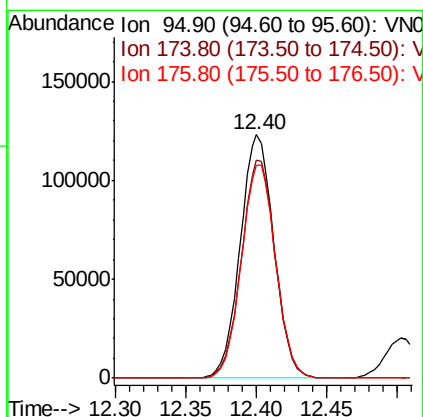
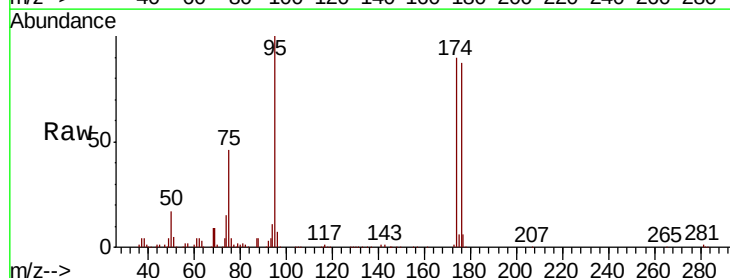
Instrument :
 MSVOA_N
 ClientSampleId :

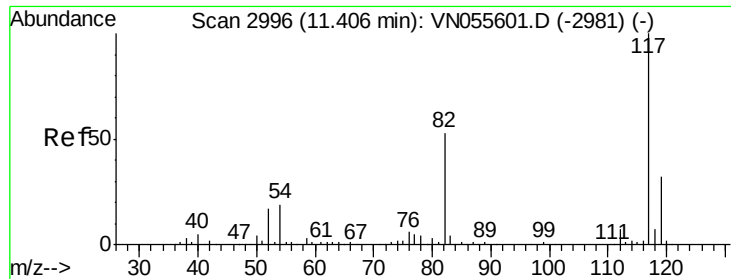
Tot Ion:107 Resp: 165992
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 53.989 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion: 95 Resp: 206132
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 180.6
 176 88.7 0.0 177.4

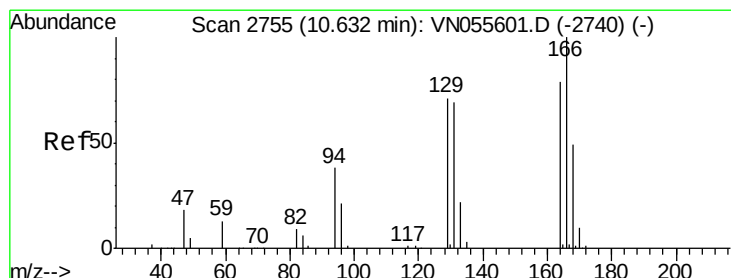
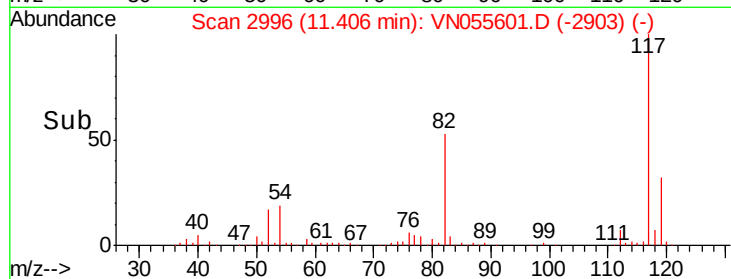
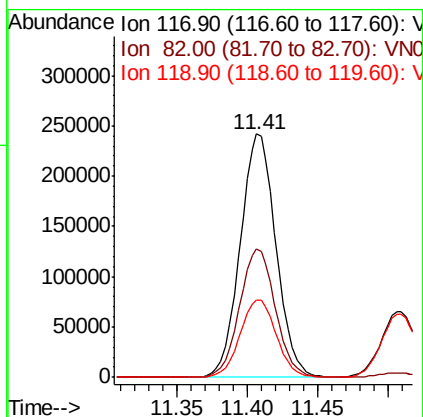
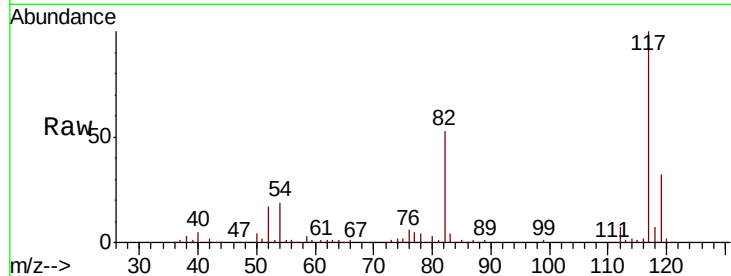




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

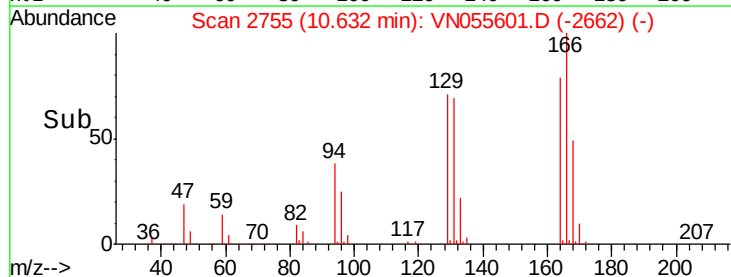
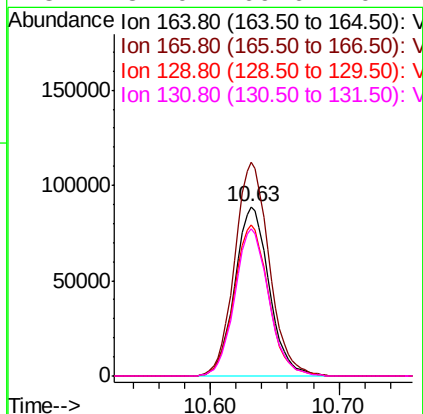
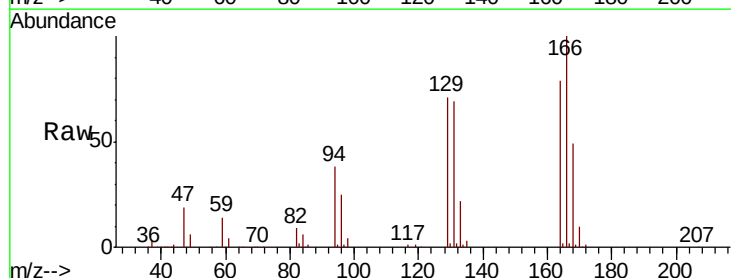
Instrument :
MSVOA_N
ClientSampled :

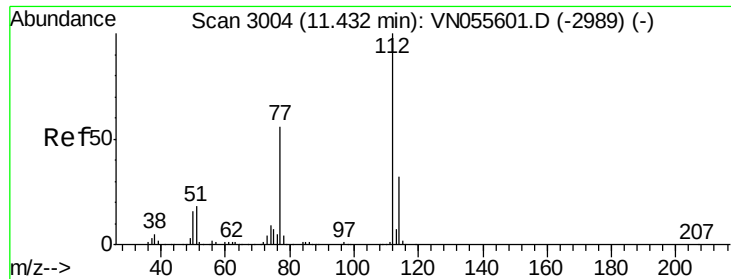
Tot Ion:117 Resp: 429223
Ion Ratio Lower Upper
117 100
82 52.9 42.3 63.5
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 43.475 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion:164 Resp: 164169
Ion Ratio Lower Upper
164 100
166 126.3 101.0 151.6
129 89.6 71.7 107.5
131 87.0 69.6 104.4





#65

Chlorobenzene

Concen: 47.436 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

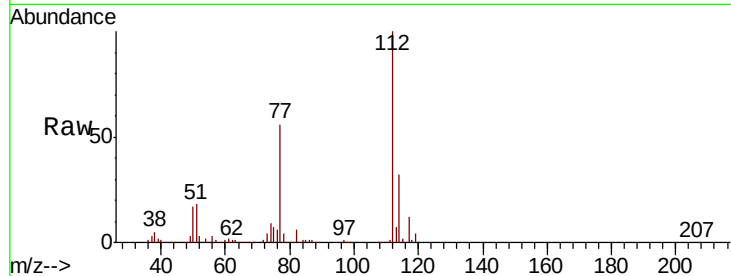
ClientSampled :

Tot Ion:112 Resp: 424928

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

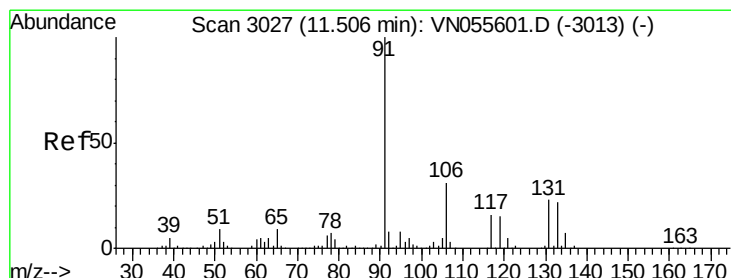
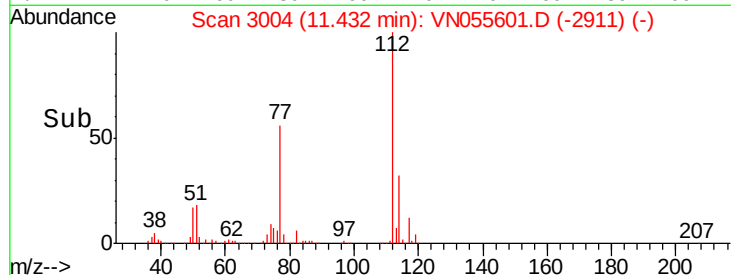
100000

50000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.776 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

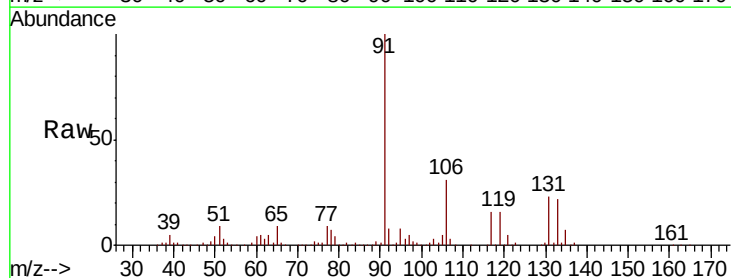
Tgt Ion:131 Resp: 167501

Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.4

119 66.5 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

120000

100000

80000

60000

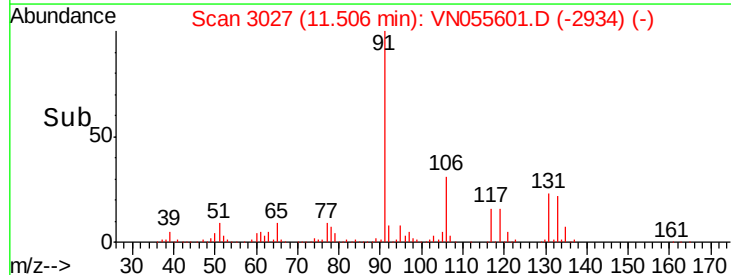
40000

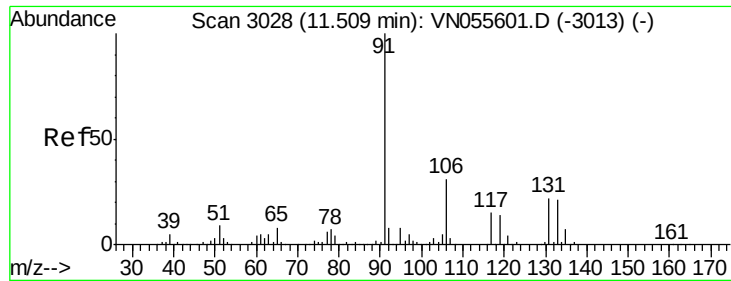
20000

0

11.45 11.50 11.55

Time-->

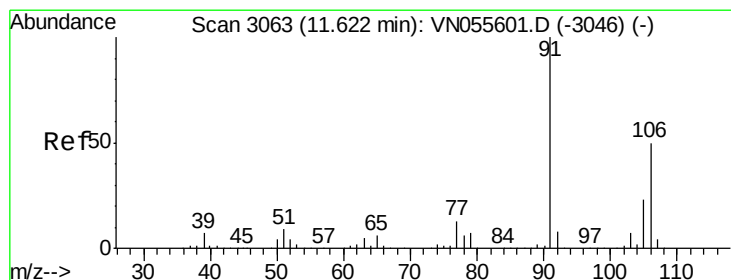
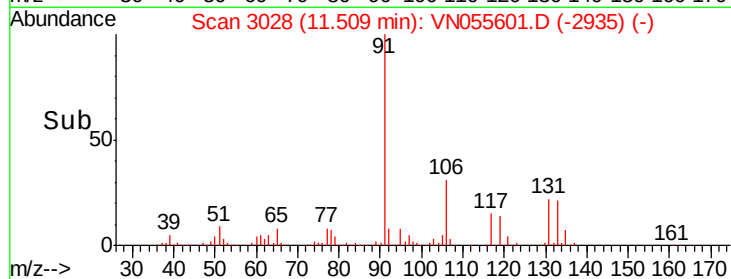
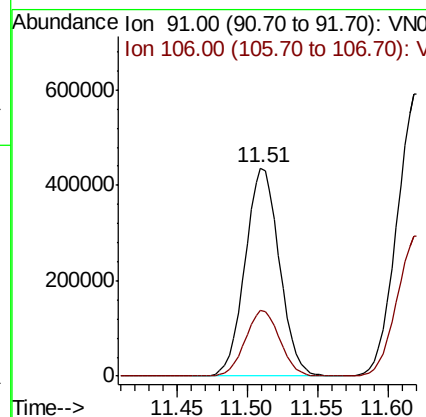
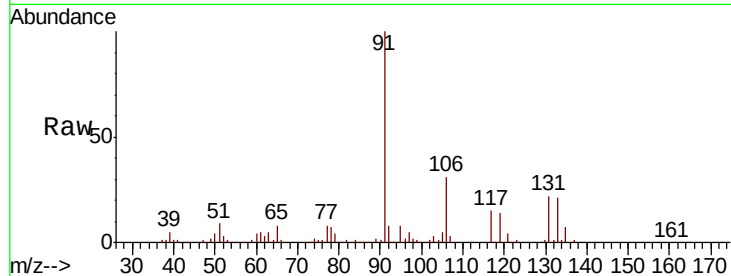




#67
Ethyl Benzene
Concen: 50.988 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

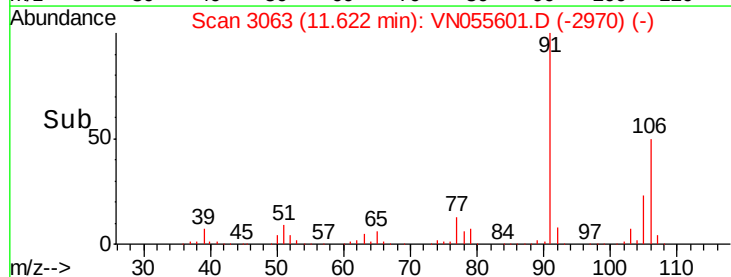
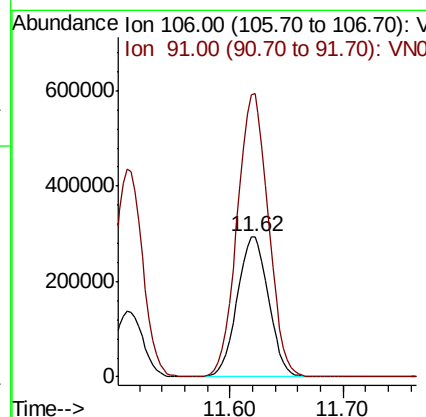
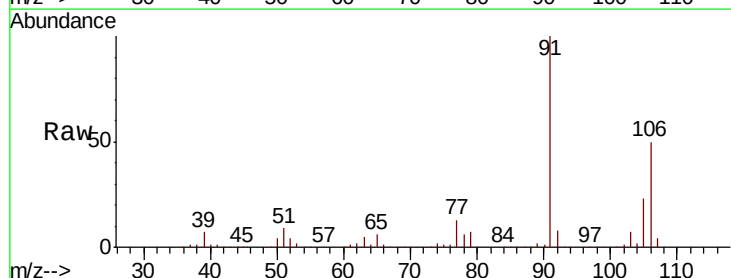
Instrument :
MSVOA_N
ClientSampled :

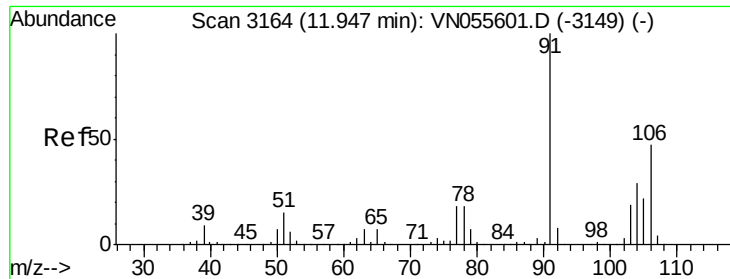
Tot Ion: 91 Resp: 744816
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8



#68
m/p-Xylenes
Concen: 100.892 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion: 106 Resp: 566941
Ion Ratio Lower Upper
106 100
91 200.6 160.5 240.7

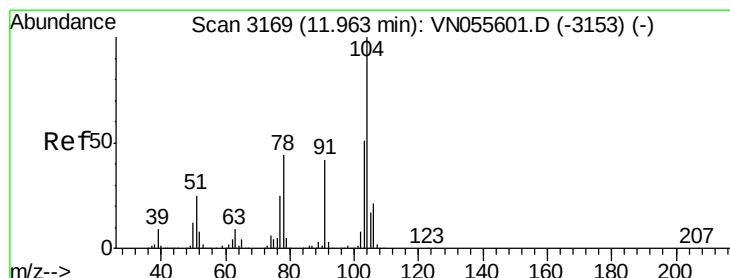
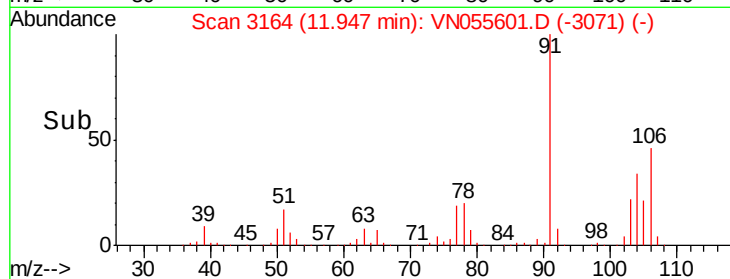
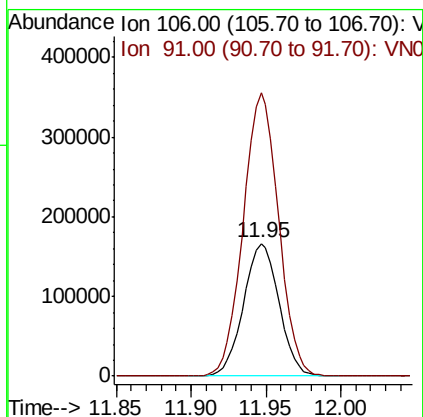
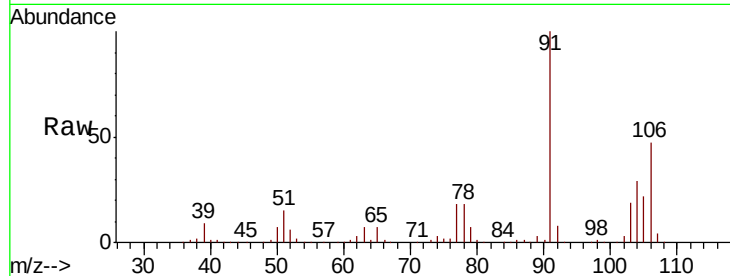




#69
o-Xylene
Concen: 50.557 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

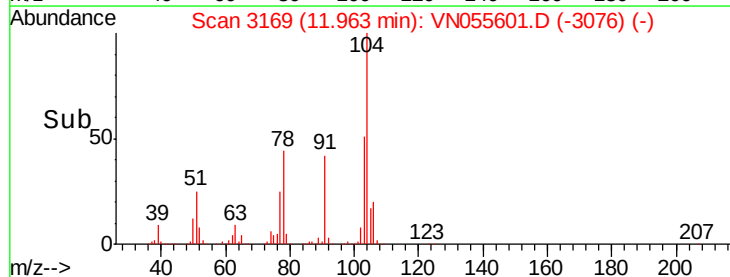
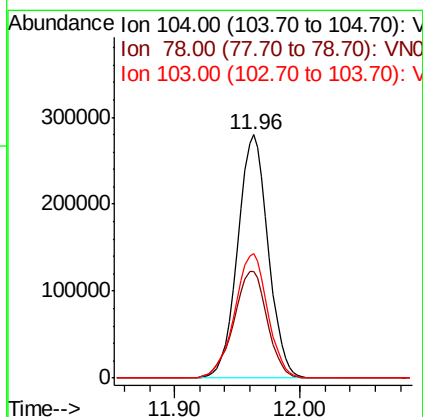
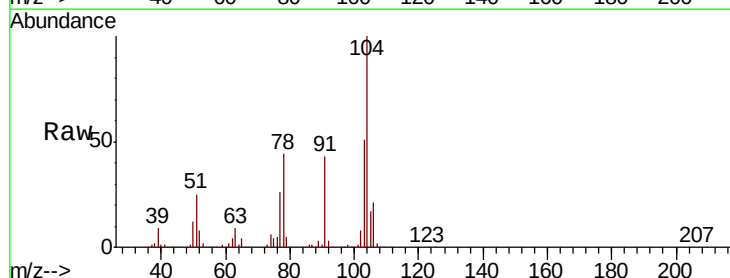
Instrument :
MSVOA_N
ClientSampled :

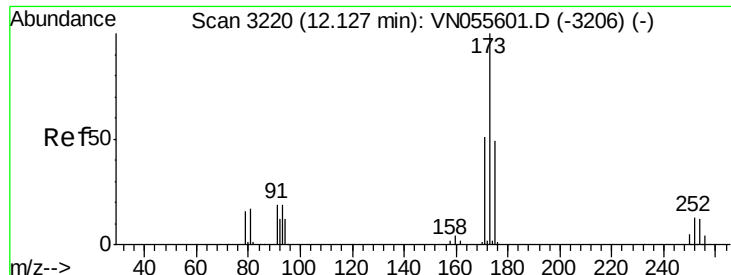
Tot Ion:106 Resp: 274063
Ion Ratio Lower Upper
106 100
91 213.5 106.7 320.2



#70
Styrene
Concen: 55.028 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion:104 Resp: 472518
Ion Ratio Lower Upper
104 100
78 48.3 38.6 58.0
103 55.5 44.4 66.6





#71

Bromoform

Concen: 61.003 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

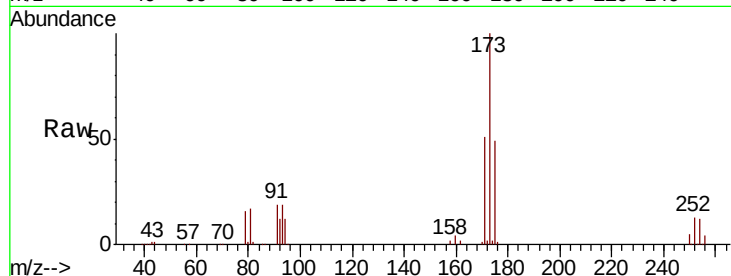
Tot Ion:173 Resp: 148610

Ion Ratio Lower Upper

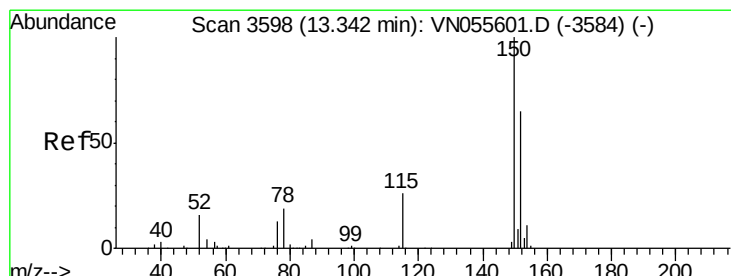
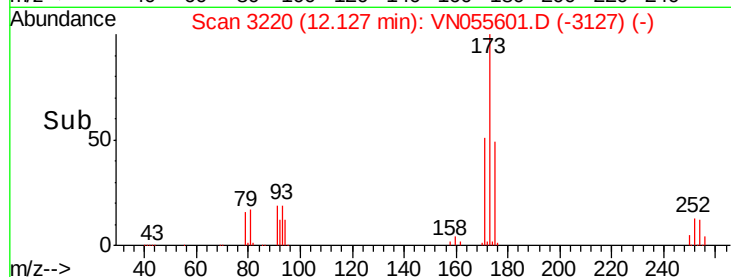
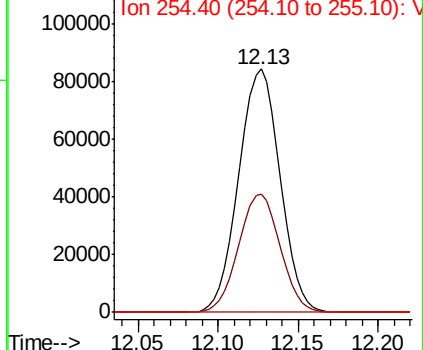
173 100

175 48.6 24.3 72.9

254 0.1 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: VN055601.D

Acq: 17 May 2019 10:39

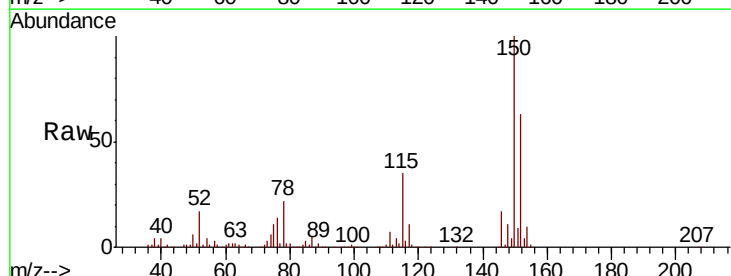
Tgt Ion:152 Resp: 202857

Ion Ratio Lower Upper

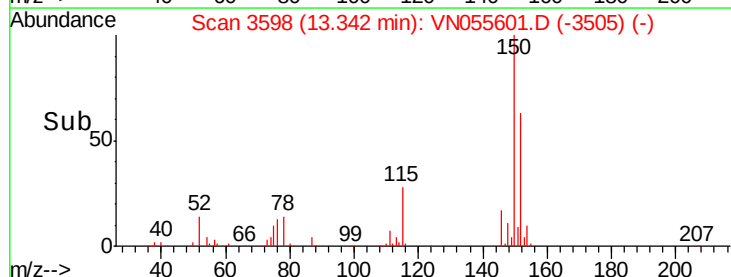
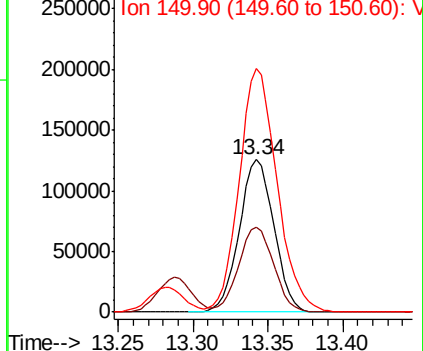
152 100

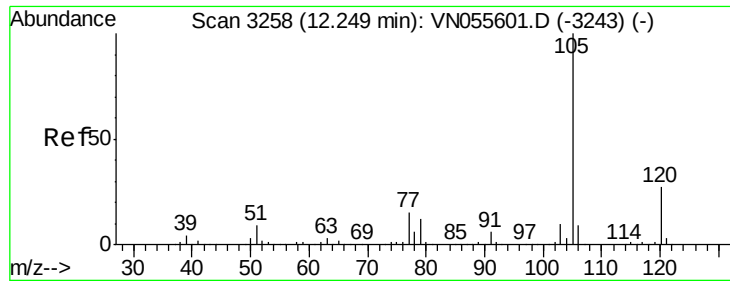
115 56.1 28.1 84.2

150 174.0 0.0 348.0



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





#73

Isopropylbenzene

Concen: 50.587 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

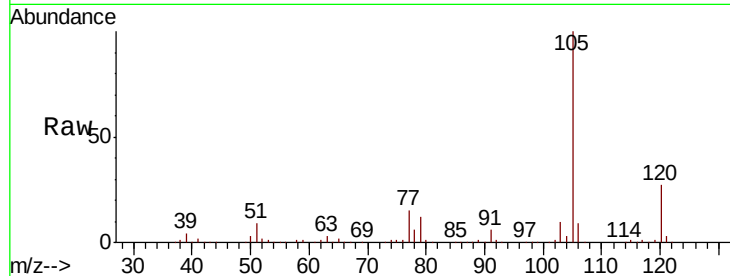
ClientSampleId :

Tot Ion:105 Resp: 726970

Ion Ratio Lower Upper

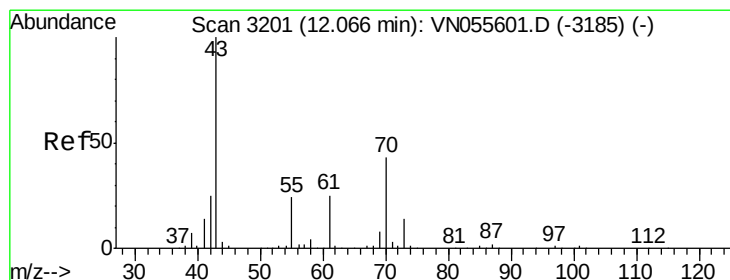
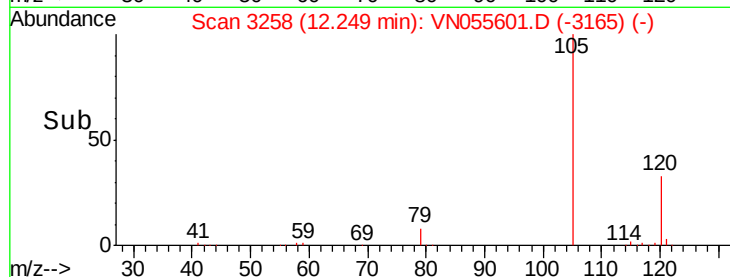
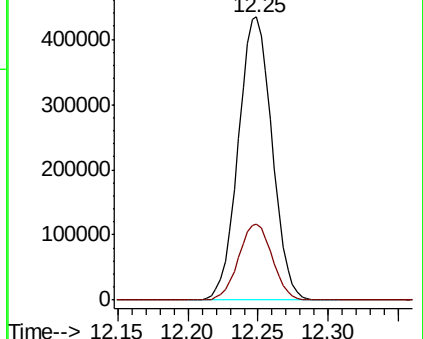
105 100

120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 77.246 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Tgt Ion: 43 Resp: 283388

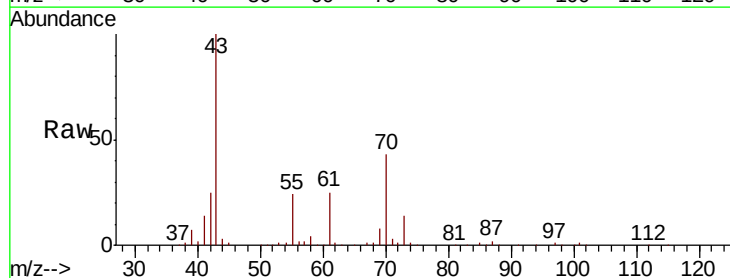
Ion Ratio Lower Upper

43 100

70 43.8 35.0 52.6

55 23.6 18.9 28.3

61 25.1 20.1 30.1

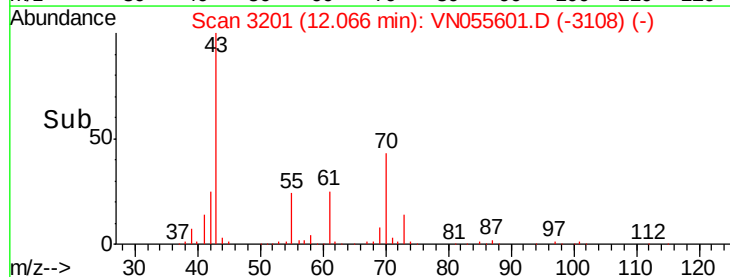
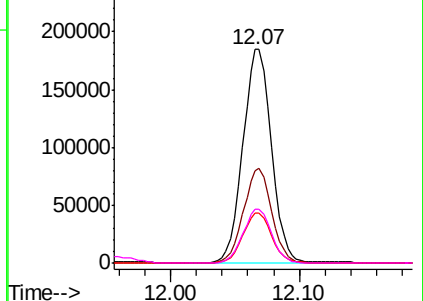


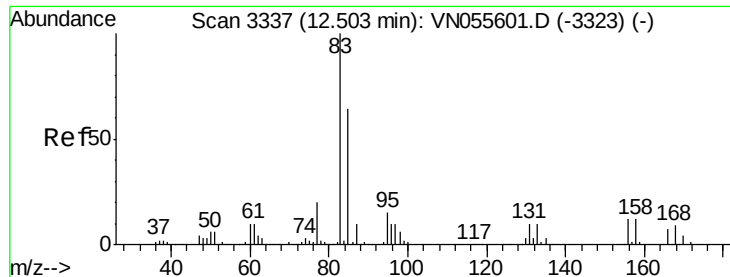
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 62.985 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

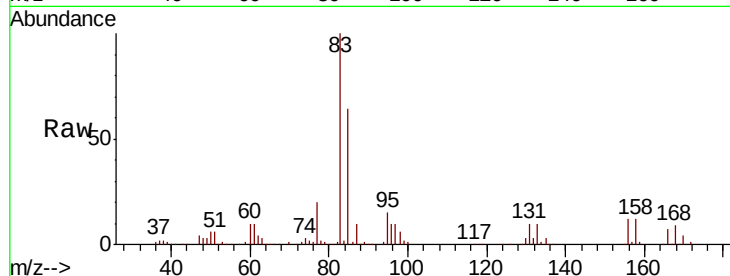
Tot Ion: 83 Resp: 226023

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

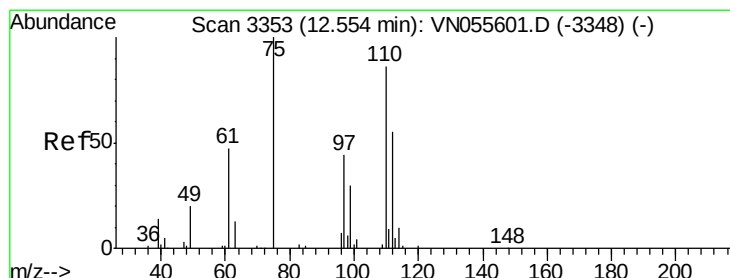
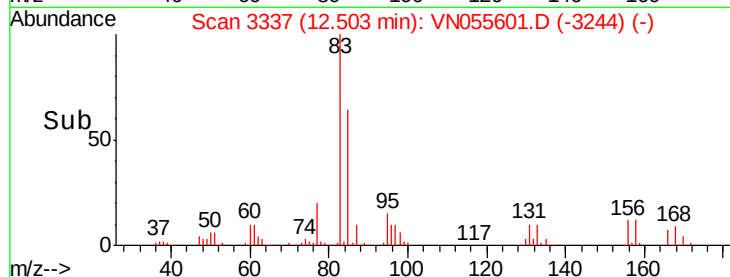
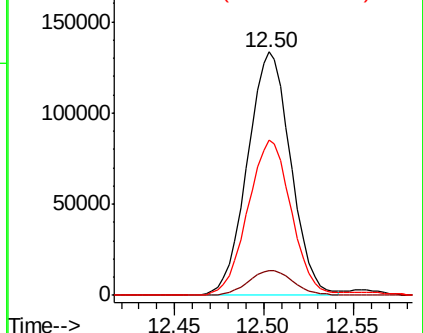
85 64.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VN055601.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055601.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055601.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 91.384 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055601.D

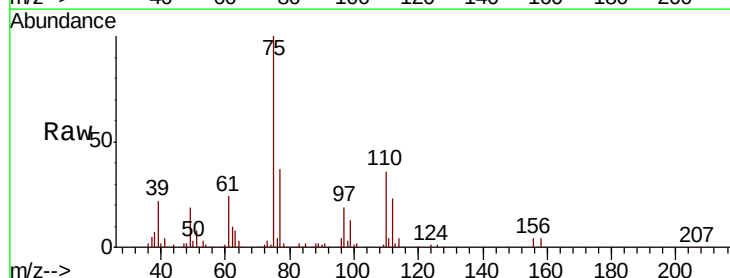
Acq: 17 May 2019 10:39

Tgt Ion: 75 Resp: 284818

Ion Ratio Lower Upper

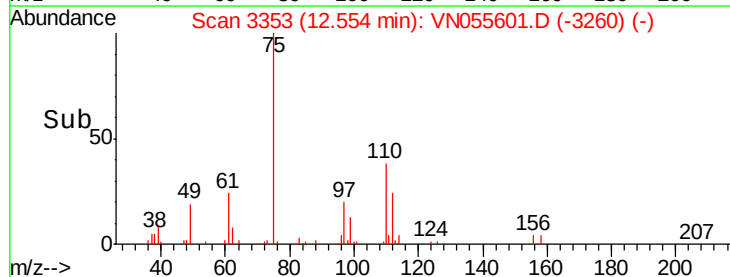
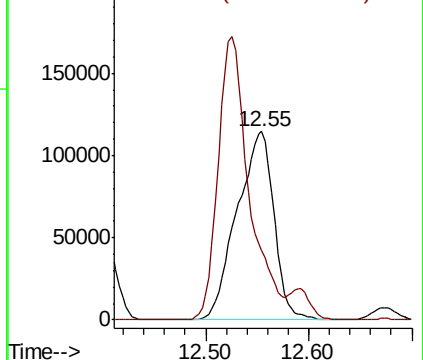
75 100

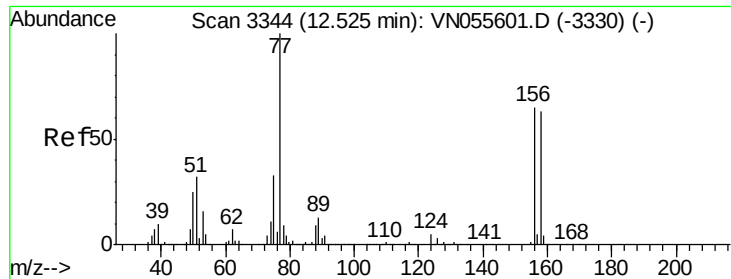
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055601.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055601.D (-3348) (-)





#77

Bromobenzene

Concen: 49.753 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

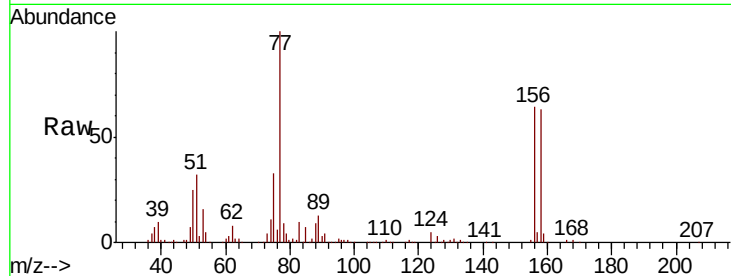
Tot Ion:156 Resp: 191088

Ion Ratio Lower Upper

156 100

77 189.0 94.5 283.5

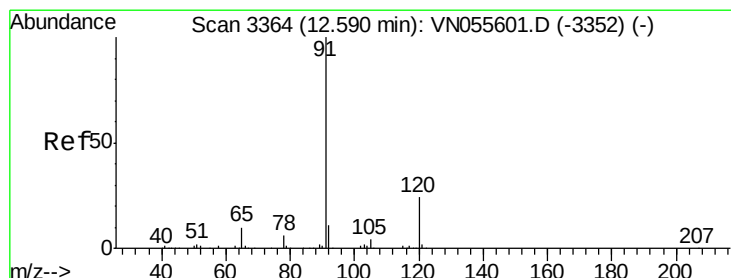
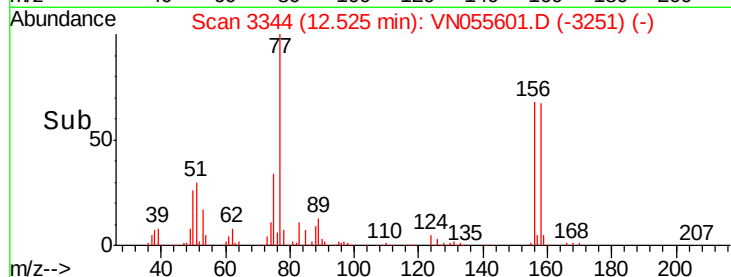
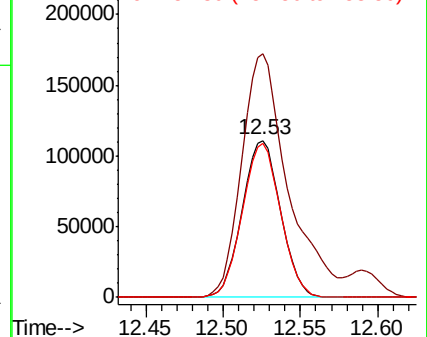
158 98.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.107 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055601.D

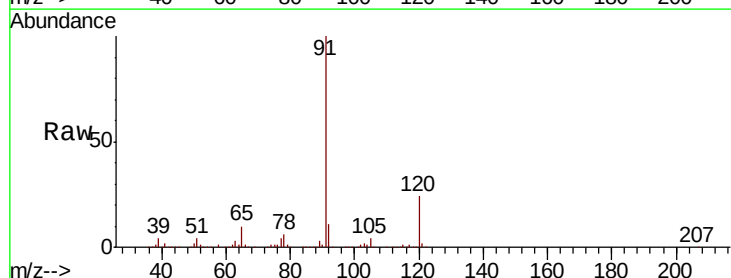
Acq: 17 May 2019 10:39

Tgt Ion: 91 Resp: 817202

Ion Ratio Lower Upper

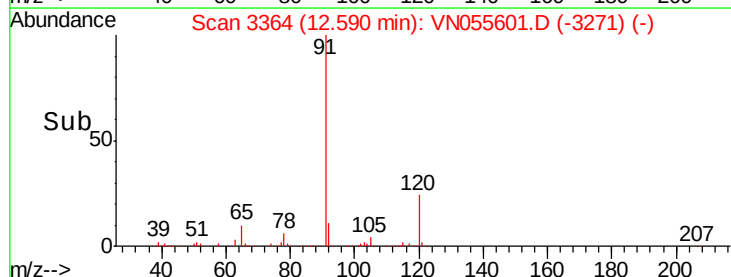
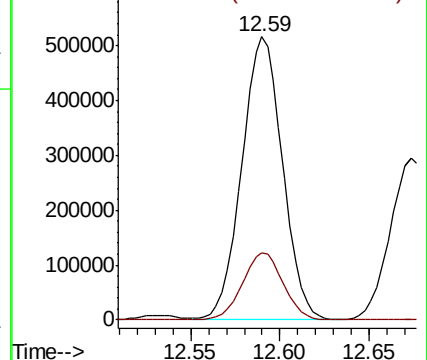
91 100

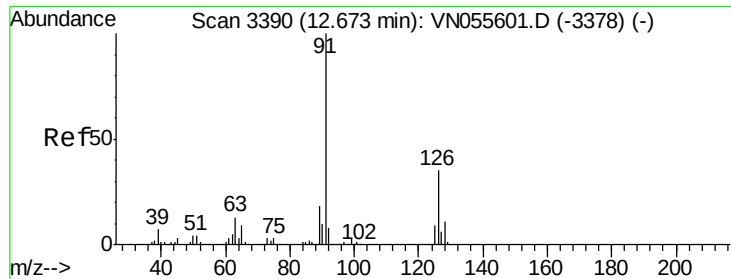
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.279 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

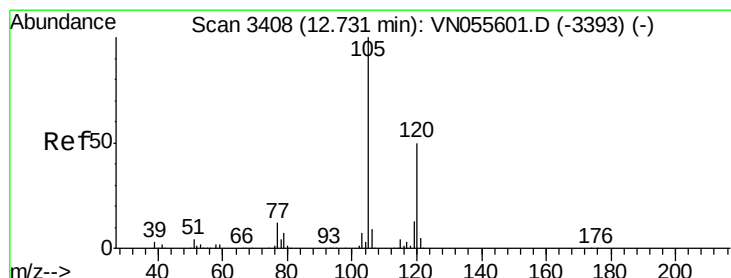
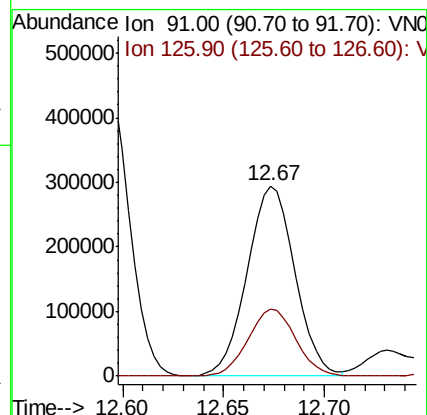
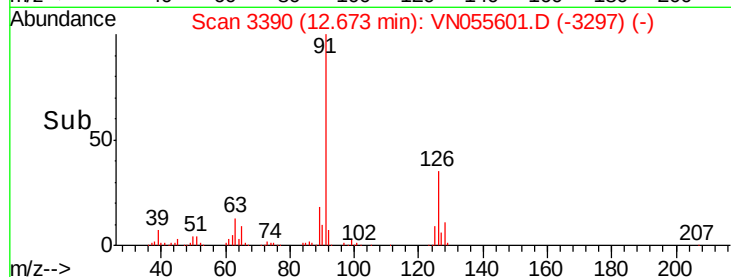
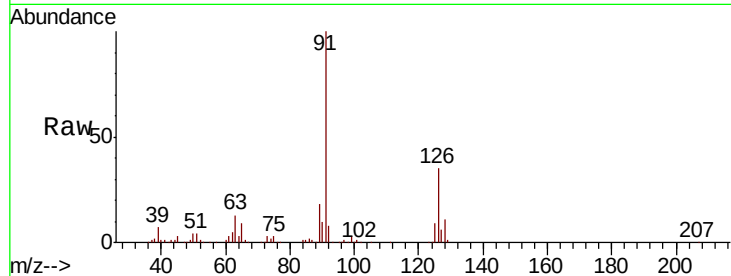
ClientSampleId :

Tot Ion: 91 Resp: 485984

Ion Ratio Lower Upper

91 100

126 35.6 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 51.977 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055601.D

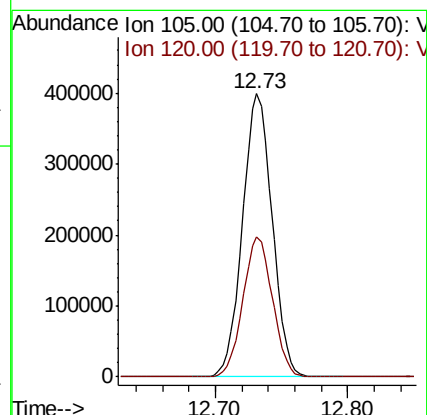
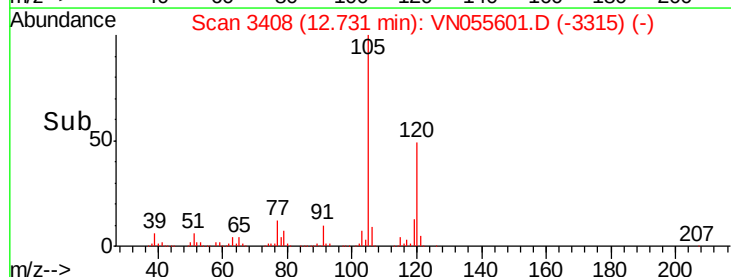
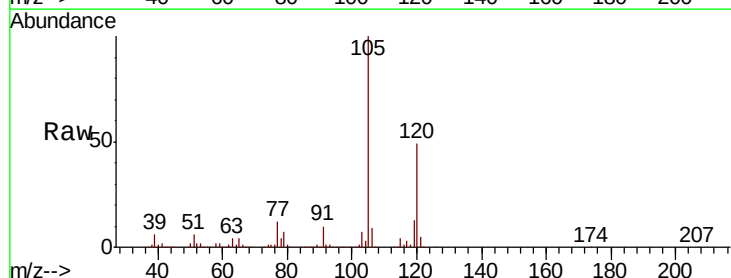
Acq: 17 May 2019 10:39

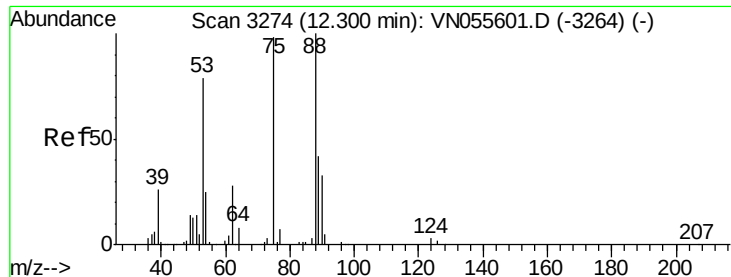
Tgt Ion: 105 Resp: 619400

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 76.948 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

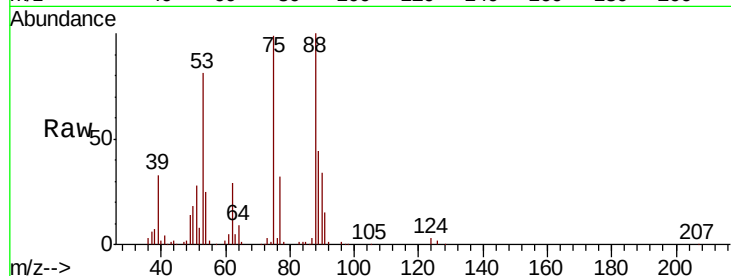
Tot Ion: 75 Resp: 77625

Ion Ratio Lower Upper

75 100

53 81.4 65.1 97.7

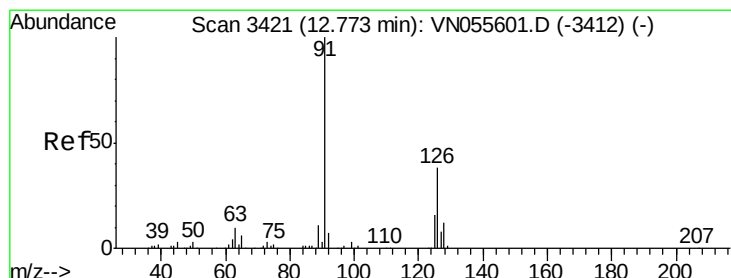
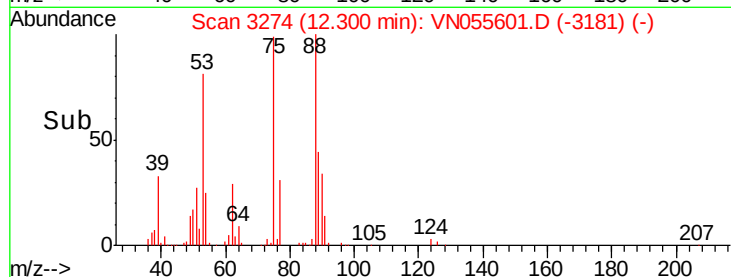
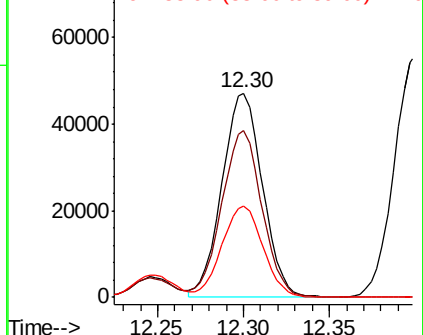
89 45.5 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 51.016 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055601.D

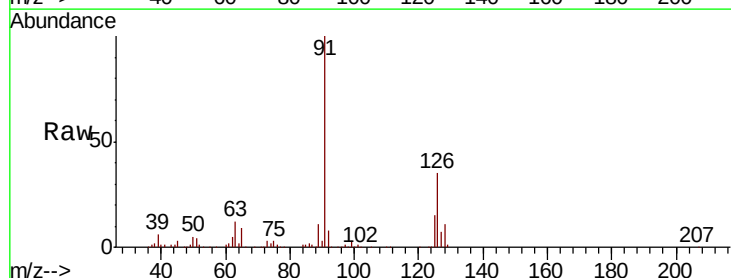
Acq: 17 May 2019 10:39

Tgt Ion: 91 Resp: 490531

Ion Ratio Lower Upper

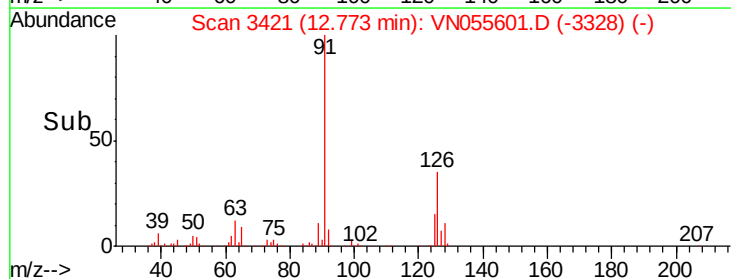
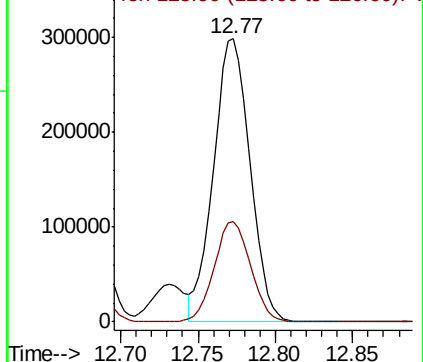
91 100

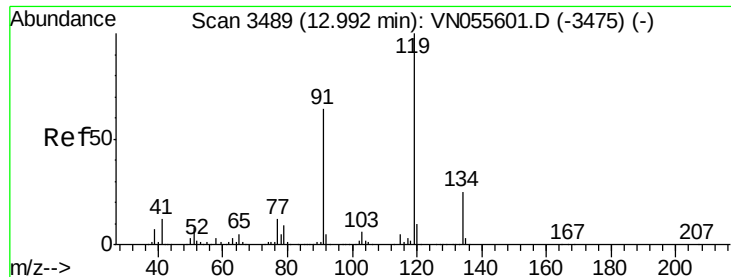
126 35.1 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

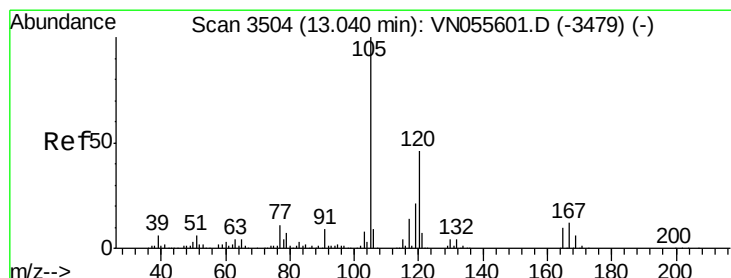
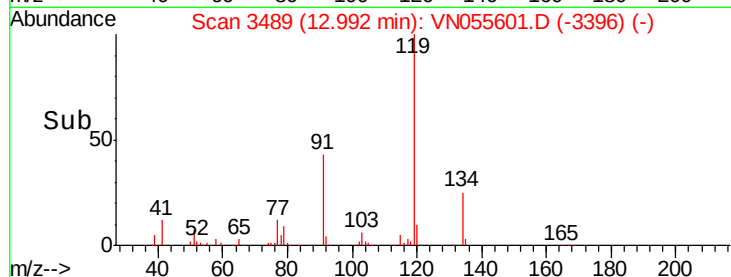
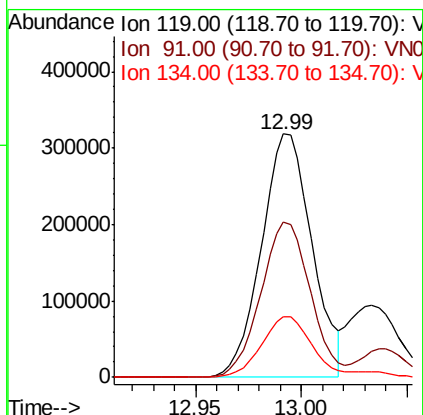
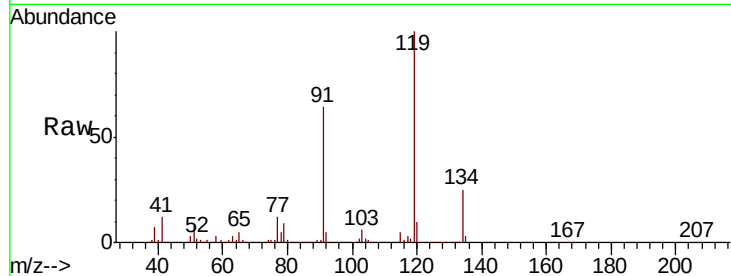




#83
tert-Butylbenzene
Concen: 49.911 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

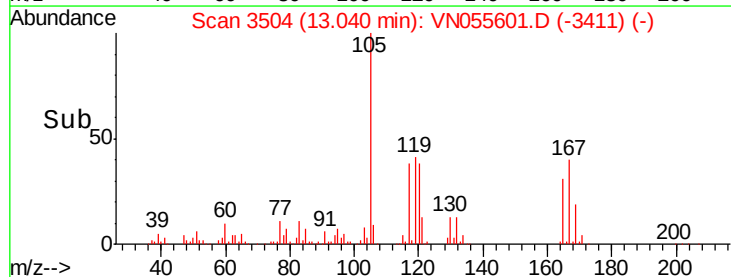
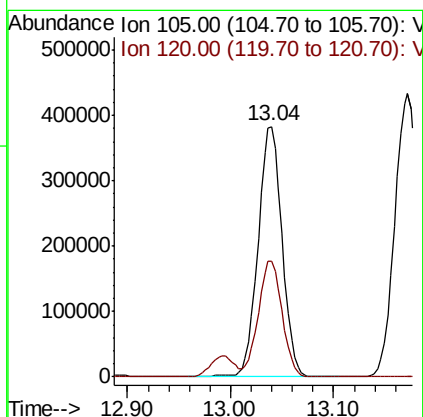
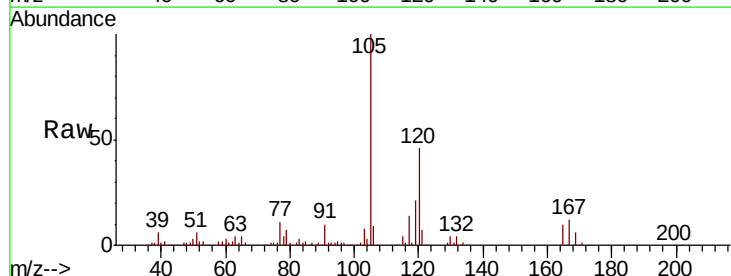
Instrument :
MSVOA_N
ClientSampled :

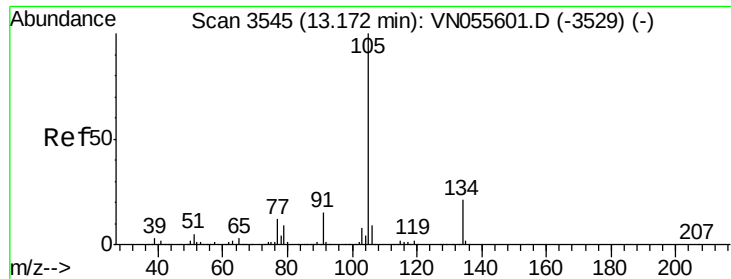
Tot Ion:119 Resp: 531695
Ion Ratio Lower Upper
119 100
91 62.5 31.3 93.8
134 26.4 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 51.637 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion:105 Resp: 614503
Ion Ratio Lower Upper
105 100
120 46.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 48.677 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

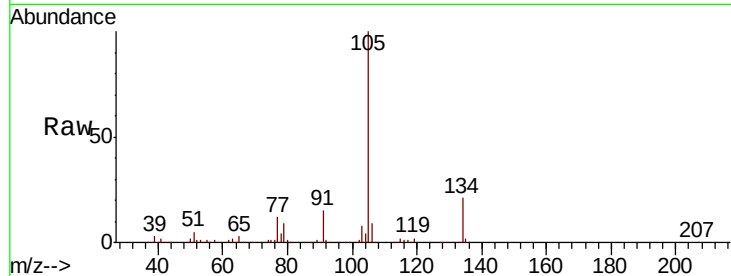
ClientSampleId :

Tot Ion:105 Resp: 694286

Ion Ratio Lower Upper

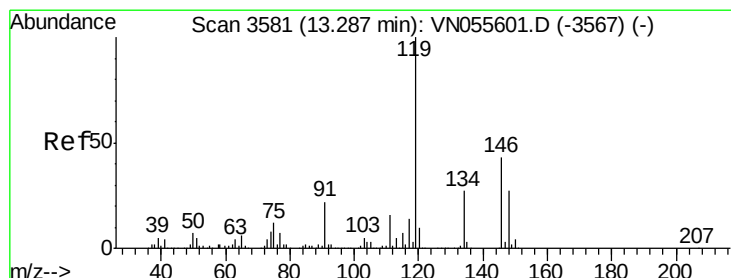
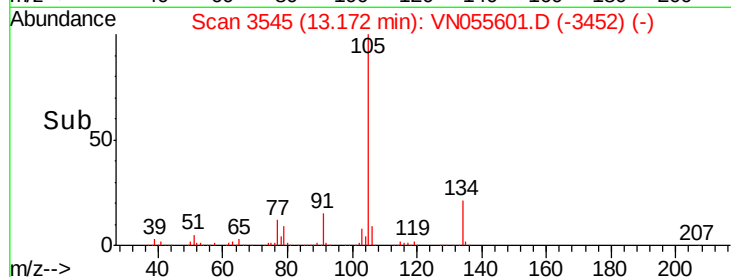
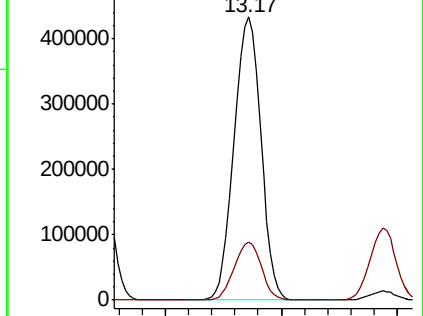
105 100

134 20.6 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.476 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

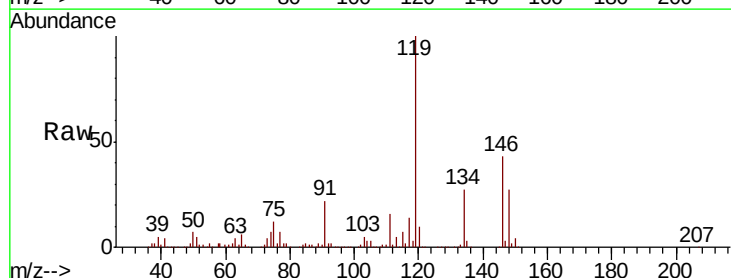
Tgt Ion:119 Resp: 641595

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

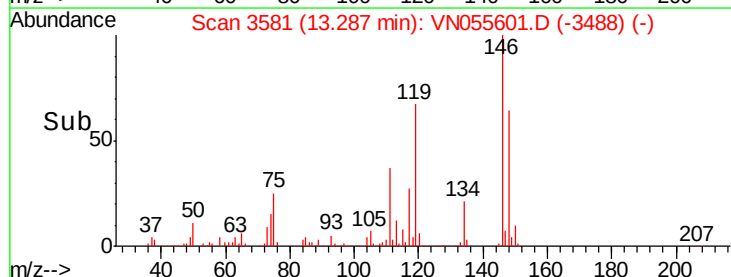
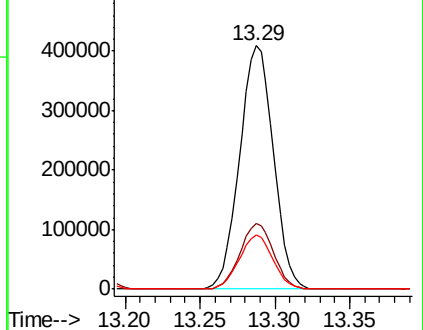
91 22.0 11.0 33.0

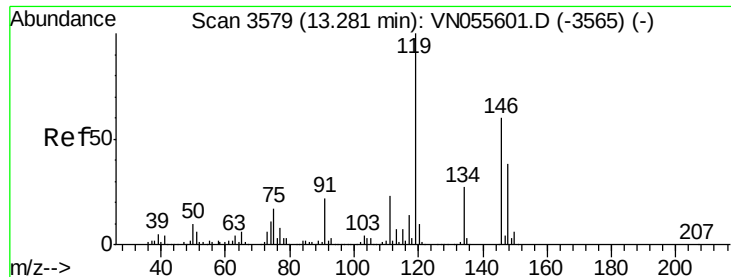


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

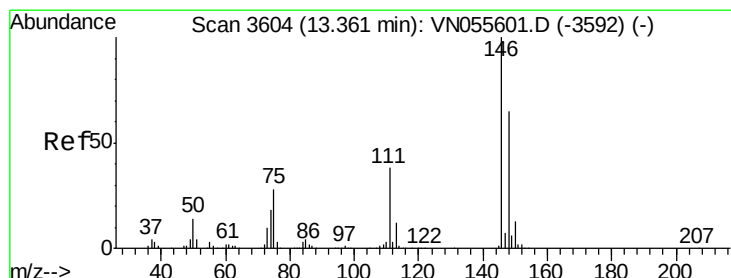
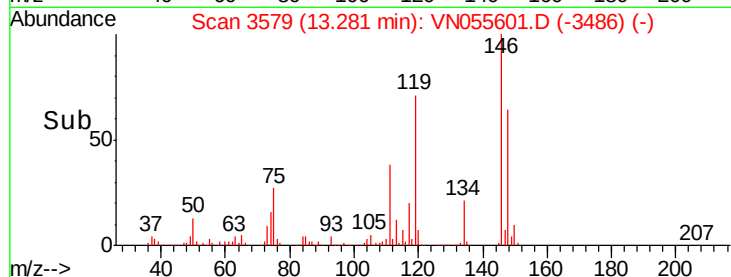
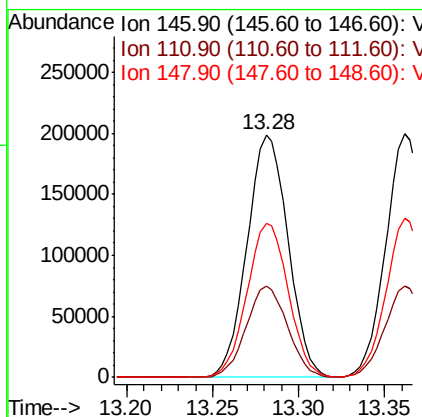
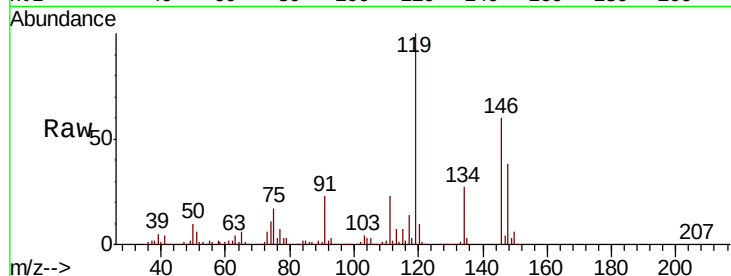




#87
 1,3-Dichlorobenzene
 Concen: 49.197 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

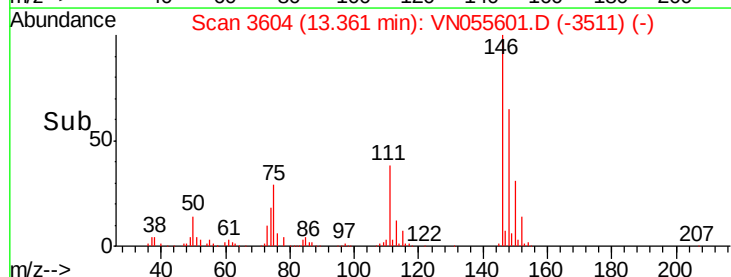
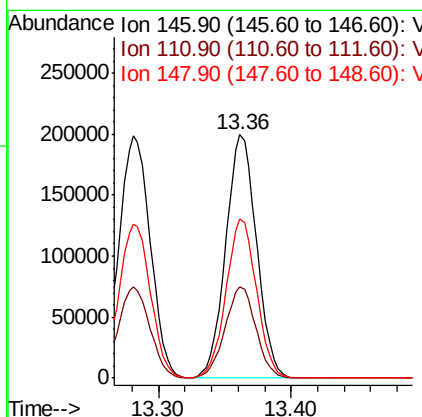
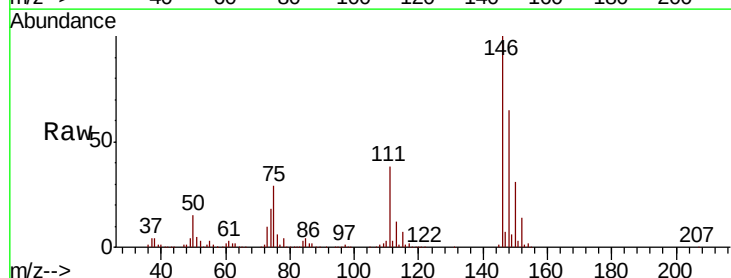
Instrument :
 MSVOA_N
 ClientSampled :

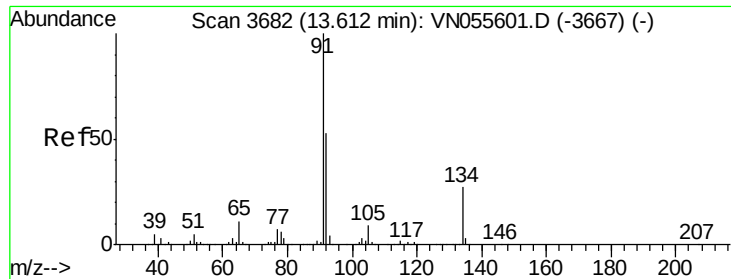
Tot Ion:146 Resp: 328635
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.9
 148 63.9 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 47.914 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion:146 Resp: 321788
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.4
 148 64.7 32.4 97.0

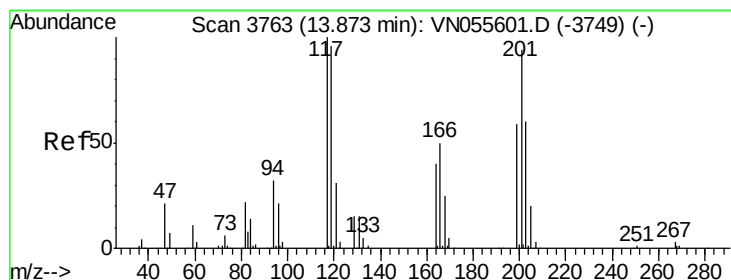
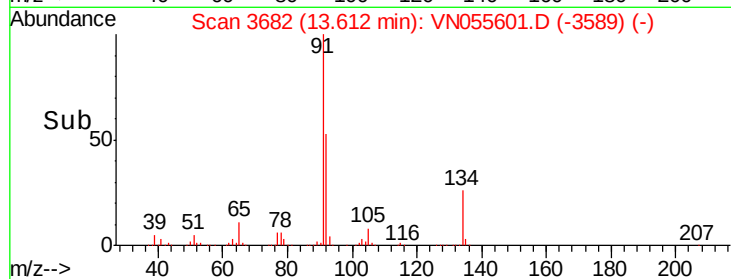
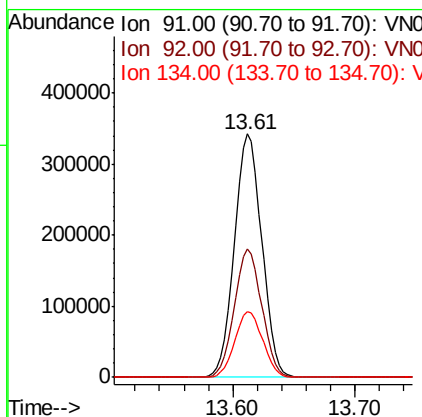
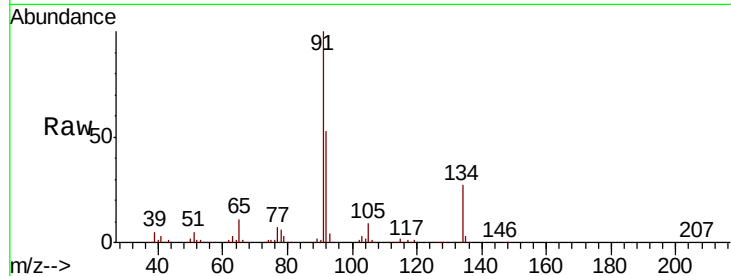




#89
n-Butylbenzene
Concen: 52.098 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

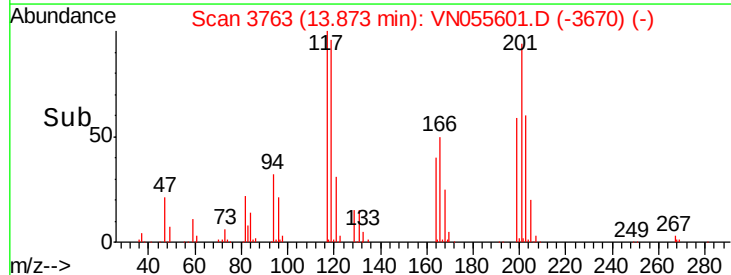
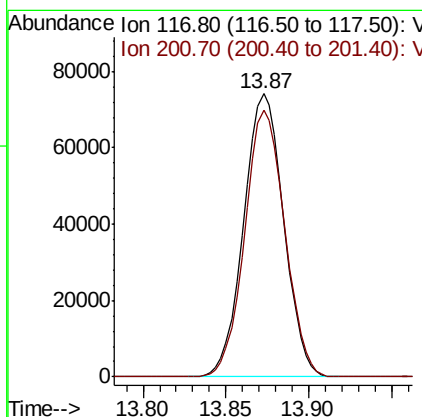
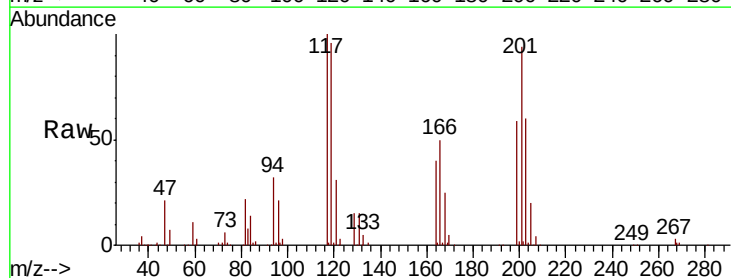
Instrument :
MSVOA_N
ClientSampleId :

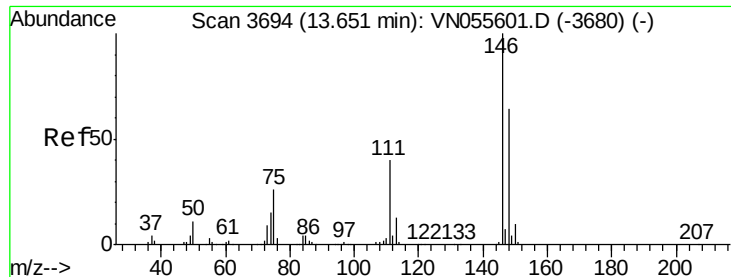
Tot Ion: 91 Resp: 532423
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 27.4 13.7 41.1



#90
Hexachloroethane
Concen: 51.196 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055601.D
Acq: 17 May 2019 10:39

Tgt Ion: 117 Resp: 124256
Ion Ratio Lower Upper
117 100
201 94.2 47.1 141.3

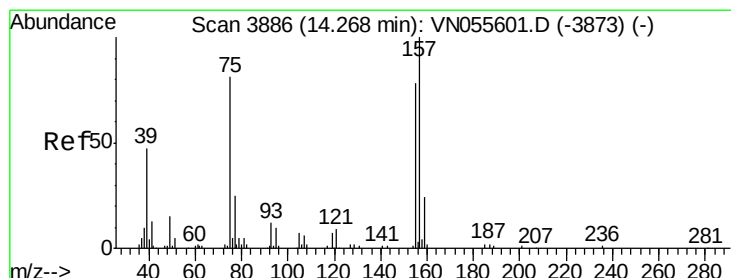
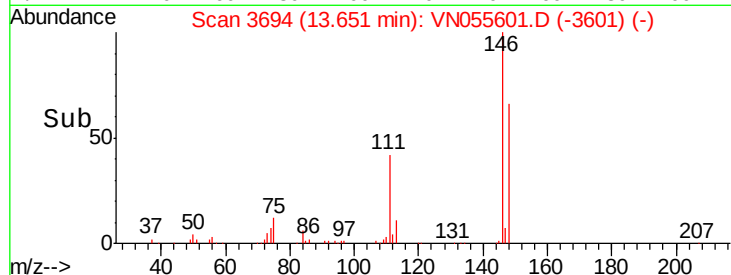
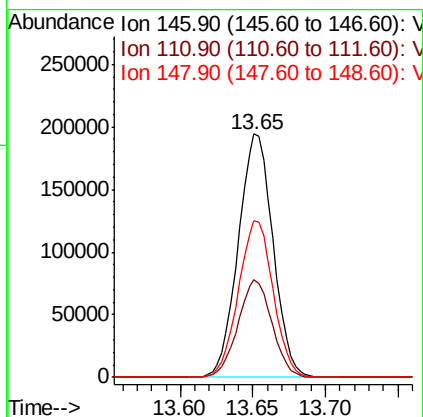
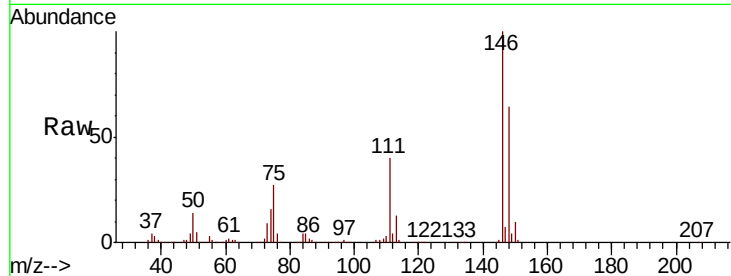




#91
 1,2-Dichlorobenzene
 Concen: 49.323 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

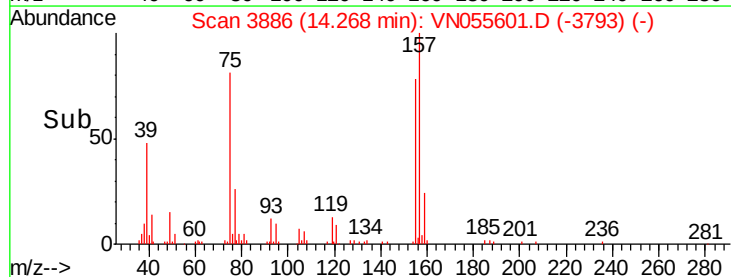
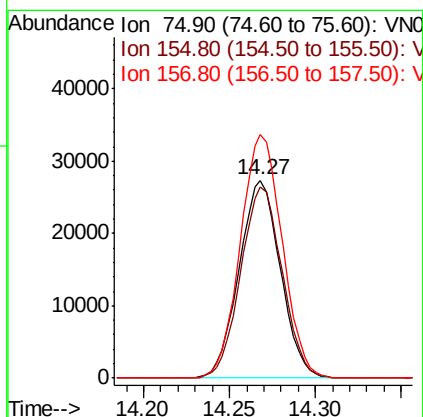
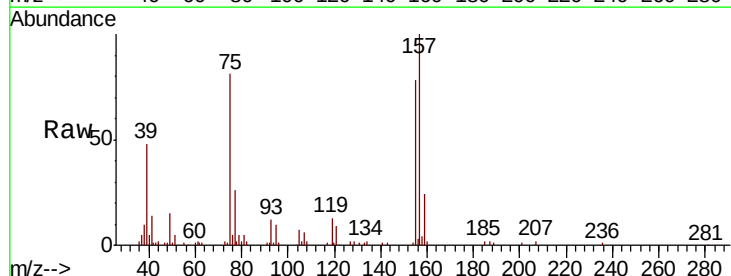
Instrument :
 MSVOA_N
 ClientSampleId :

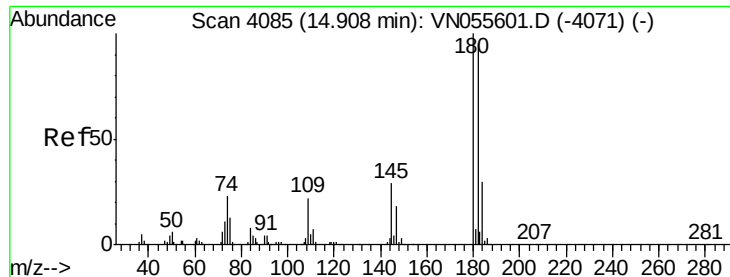
Tot Ion:146 Resp: 323881
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 64.2 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 80.458 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion: 75 Resp: 45551
 Ion Ratio Lower Upper
 75 100
 155 96.7 48.4 145.0
 157 124.5 62.3 186.8

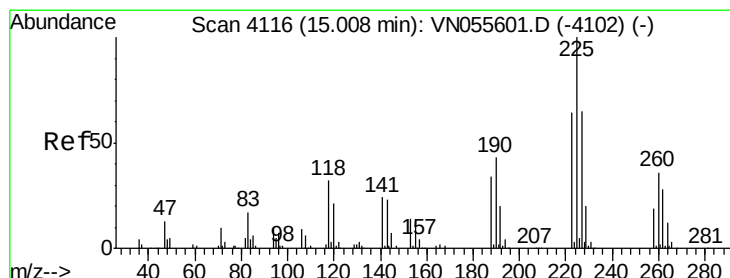
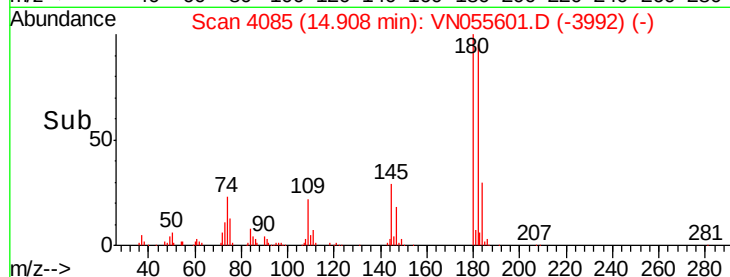
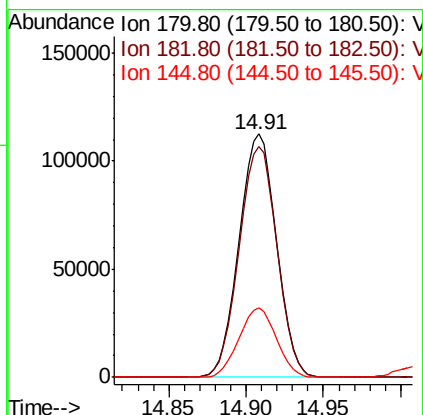
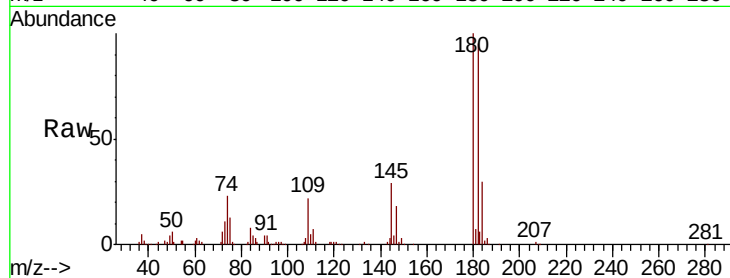




#93
 1,2,4-Trichlorobenzene
 Concen: 55.252 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

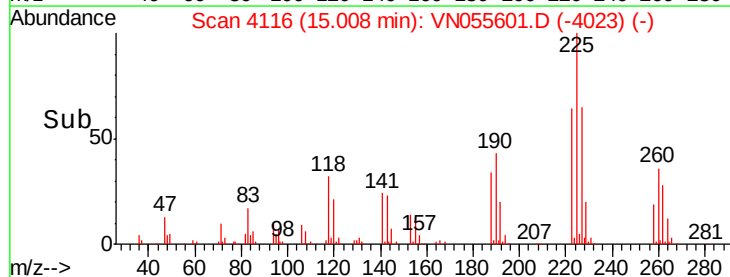
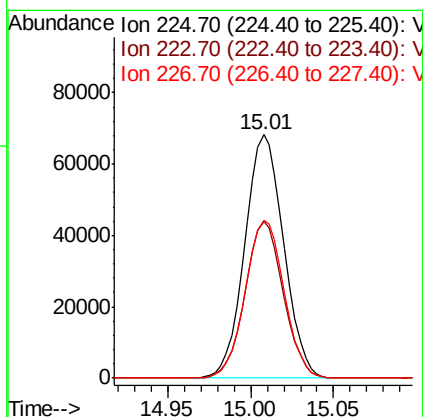
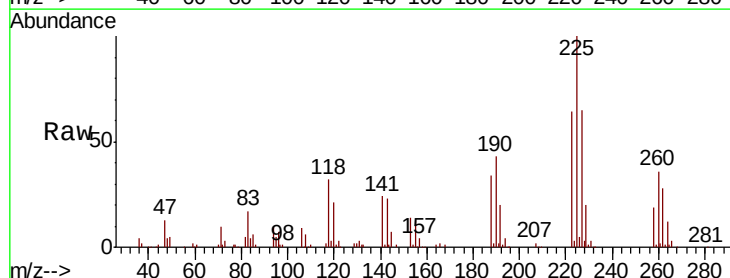
Instrument :
 MSVOA_N
 ClientSampleId :

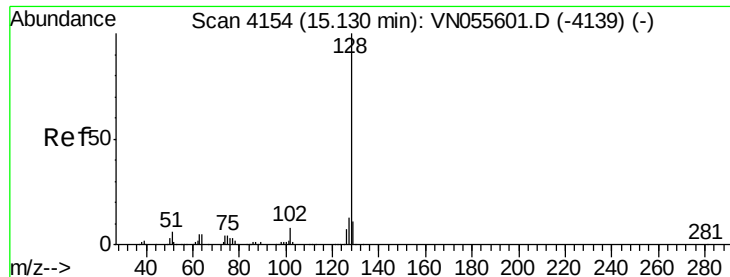
Tot Ion:180 Resp: 189623
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.9 143.6
 145 28.6 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 40.868 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055601.D
 Acq: 17 May 2019 10:39

Tgt Ion:225 Resp: 111455
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.6 94.7
 227 64.7 32.4 97.0





#95

Naphthalene

Concen: 74.538 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

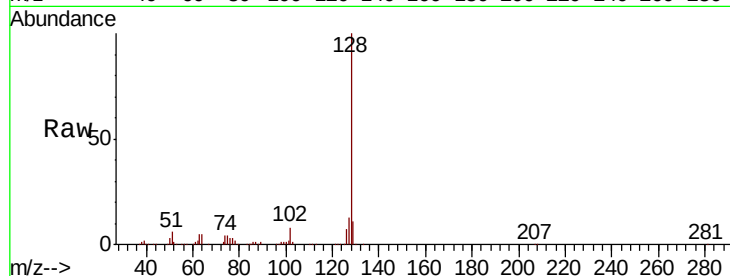
Tot Ion:128 Resp: 514213

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

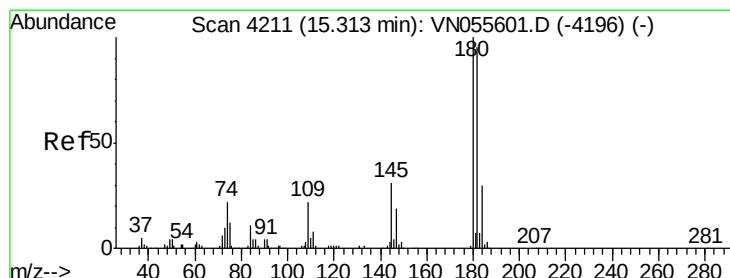
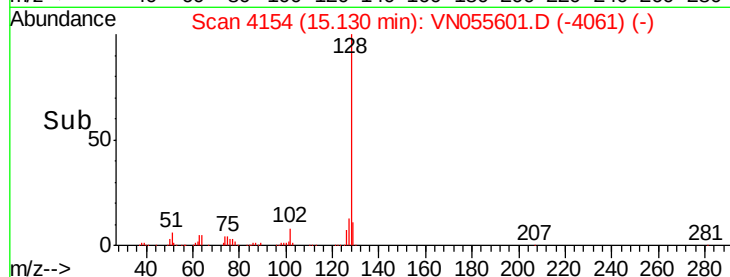
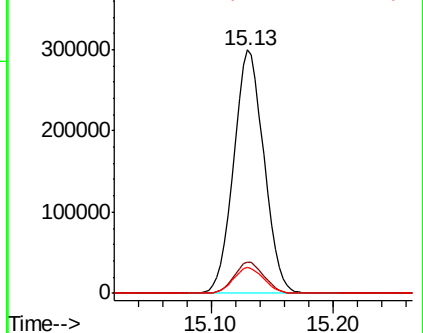
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 56.039 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055601.D

Acq: 17 May 2019 10:39

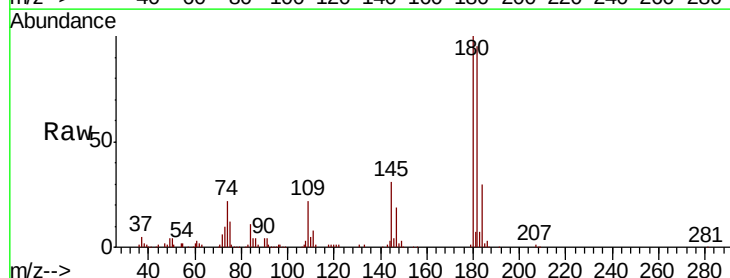
Tgt Ion:180 Resp: 187501

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.6

145 30.7 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

