

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055606.D
 Acq On : 17 May 2019 13:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 03:07:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	345837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	502676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	442986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	210845	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	179676	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
35) Dibromofluoromethane	7.59	113	160572	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	10.09	98	606492	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.40	95	214852	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	121208	45.551	ug/l	98
3) Chloromethane	2.06	50	157117	44.269	ug/l	100
4) Vinyl Chloride	2.18	62	171108	44.522	ug/l	100
5) Bromomethane	2.56	94	114018	46.552	ug/l	99
6) Chloroethane	2.70	64	98659	46.234	ug/l	99
7) Trichlorofluoromethane	3.02	101	228969	46.492	ug/l	99
8) Diethyl Ether	3.41	74	90979	45.985	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143101	47.661	ug/l	100
10) Methyl Iodide	3.96	142	190106	43.919	ug/l	99
11) Tert butyl alcohol	4.77	59	162103	229.293	ug/l	100
12) 1,1-Dichloroethene	3.74	96	143494	45.433	ug/l	98
13) Acrolein	3.61	56	82410	228.641	ug/l	100
14) Allyl chloride	4.33	41	238898	46.854	ug/l	100
15) Acrylonitrile	4.98	53	367174	233.440	ug/l	100
16) Acetone	3.81	43	387076	250.192	ug/l	99
17) Carbon Disulfide	4.06	76	398052	45.336	ug/l	100
18) Methyl Acetate	4.32	43	150316	45.320	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	474280	45.391	ug/l	99
20) Methylene Chloride	4.55	84	155233	43.966	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	154120	45.807	ug/l	99
22) Diisopropyl ether	5.95	45	462801	45.806	ug/l	100
23) Vinyl Acetate	5.89	43	1999488	233.230	ug/l	100
24) 1,1-Dichloroethane	5.85	63	273656	46.193	ug/l	99
25) 2-Butanone	6.83	43	524729	242.571	ug/l	100
26) 2,2-Dichloropropane	6.82	77	246570	46.896	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	177400	45.280	ug/l	100
28) Bromochloromethane	7.19	49	124925	48.471	ug/l	99
29) Tetrahydrofuran	7.21	42	325402	227.055	ug/l	100
30) Chloroform	7.37	83	275140	45.245	ug/l	99
31) Cyclohexane	7.65	56	255803	45.496	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	244762	44.875	ug/l	100
36) 1,1-Dichloropropene	7.79	75	214291	47.815	ug/l	99
37) Ethyl Acetate	6.92	43	199056	49.221	ug/l	98
38) Carbon Tetrachloride	7.77	117	221522	46.256	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	268160	49.636	ug/l	100
40) Benzene	8.04	78	630083	47.799	ug/l	100
41) Methacrylonitrile	7.20	41	286543	165.725	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	206466	48.369	ug/l	100
43) Isopropyl Acetate	8.16	43	333477	47.404	ug/l	99
44) Trichloroethene	8.83	130	181440	48.779	ug/l	99
45) 1,2-Dichloropropane	9.12	63	166169	47.851	ug/l	99
46) Dibromomethane	9.21	93	110118	48.449	ug/l	99
47) Bromodichloromethane	9.40	83	224506	47.130	ug/l	99
48) Methyl methacrylate	9.20	41	155073	49.318	ug/l	98
49) 1,4-Dioxane	9.20	88	63219	1011.832	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	987205	239.237	ug/l	100
52) Toluene	10.16	92	400240	48.409	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	255624	49.859	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	276303	49.194	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	159208	46.774	ug/l	99
56) Ethyl methacrylate	10.43	69	251052	47.249	ug/l	100
57) 1,3-Dichloropropane	10.71	76	260689	48.357	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	551273	244.179	ug/l	100
59) 2-Hexanone	10.75	43	729072	250.950	ug/l	100
60) Dibromochloromethane	10.90	129	186417	48.323	ug/l	100
61) 1,2-Dibromoethane	11.00	107	164698	48.360	ug/l	99
64) Tetrachloroethene	10.63	164	165302	47.310	ug/l	98
65) Chlorobenzene	11.43	112	426805	47.635	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	168540	46.758	ug/l	99
67) Ethyl Benzene	11.51	91	761832	47.730	ug/l	100
68) m/p-Xylenes	11.62	106	583988	96.886	ug/l	100
69) o-Xylene	11.95	106	281945	47.824	ug/l	99
70) Styrene	11.96	104	482663	49.239	ug/l	99
71) Bromoform	12.13	173	148268	48.539	ug/l #	100
73) Isopropylbenzene	12.25	105	745955	50.437	ug/l	99
74) N-amyl acetate	12.07	43	283769	47.930	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	224957	48.515	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	282165	65.584	ug/l #	100
77) Bromobenzene	12.53	156	194535	44.926	ug/l	99
78) n-propylbenzene	12.59	91	852131	45.511	ug/l	100
79) 2-Chlorotoluene	12.67	91	501496	50.048	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	643617	50.959	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	78533	46.922	ug/l	99
82) 4-Chlorotoluene	12.77	91	507000	45.957	ug/l	100
83) tert-Butylbenzene	12.99	119	549749	51.304	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	639223	50.673	ug/l	99
85) sec-Butylbenzene	13.17	105	730200	51.882	ug/l	100
86) p-Isopropyltoluene	13.29	119	676383	51.593	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	339990	47.488	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	333149	48.734	ug/l	100
89) n-Butylbenzene	13.61	91	573873	49.601	ug/l	100
90) Hexachloroethane	13.87	117	127620	50.936	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	331802	46.490	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45147	47.182	ug/l	99

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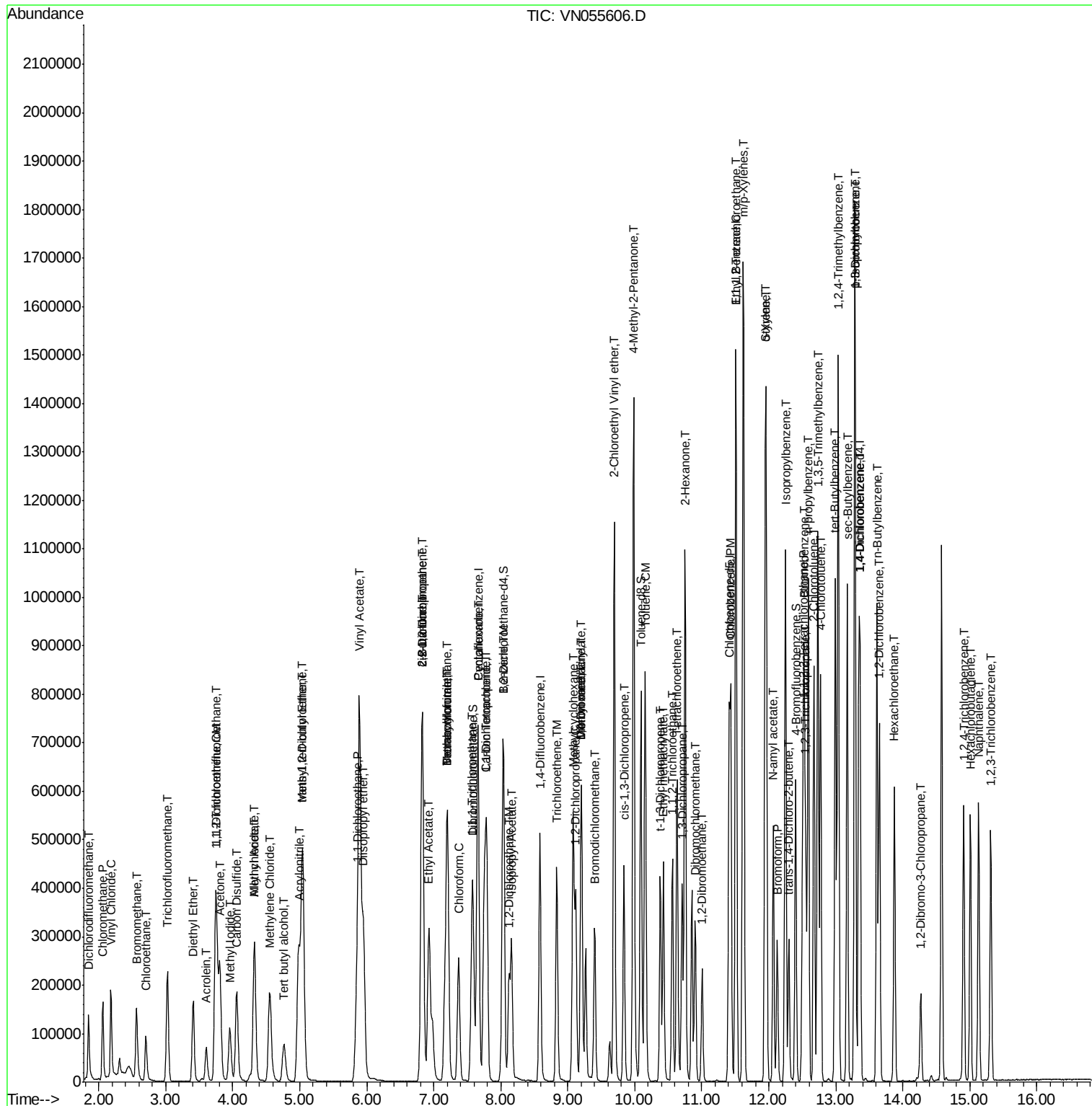
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	197910	54.477	ug/l	99
94) Hexachlorobutadiene	15.01	225	118620	54.353	ug/l	100
95) Naphthalene	15.13	128	511007	46.727	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	194888	51.306	ug/l	99

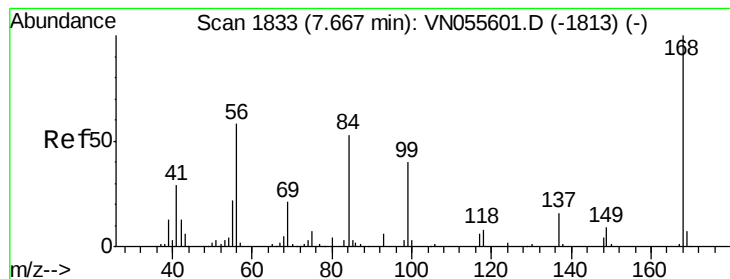
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

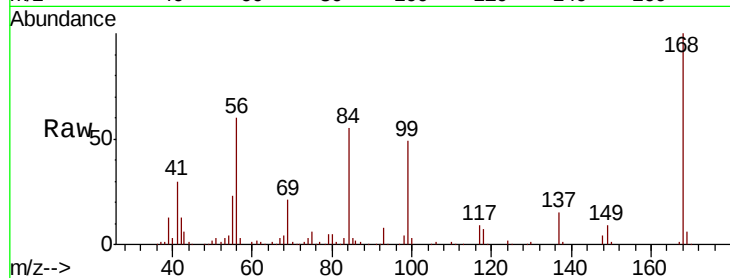
ClientSampleId :

Tot Ion:168 Resp: 345837

Ion Ratio Lower Upper

168 100

99 49.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

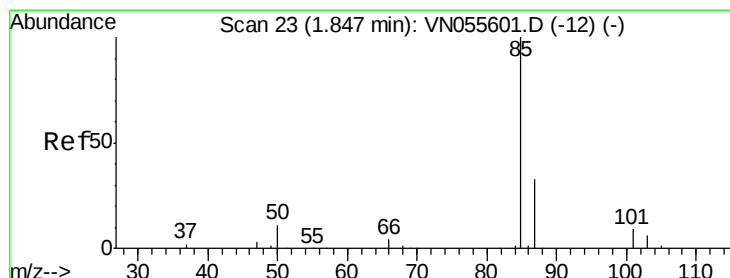
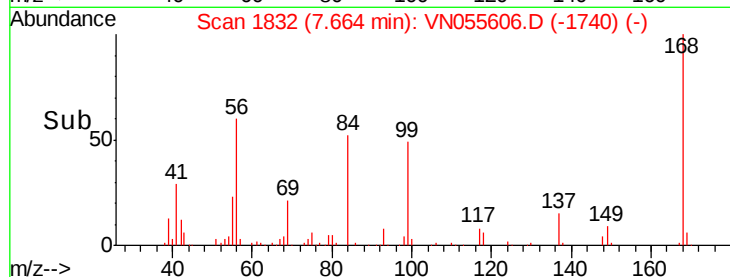
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.551 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055606.D

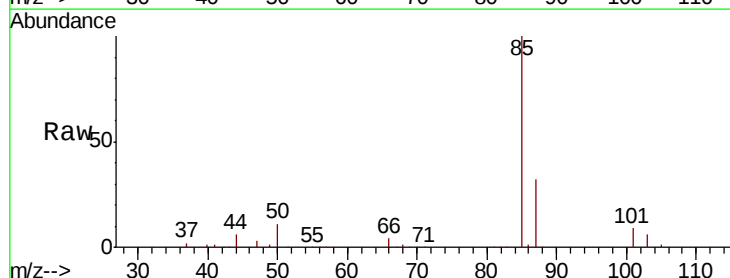
Acq: 17 May 2019 13:06

Tgt Ion: 85 Resp: 121208

Ion Ratio Lower Upper

85 100

87 32.2 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

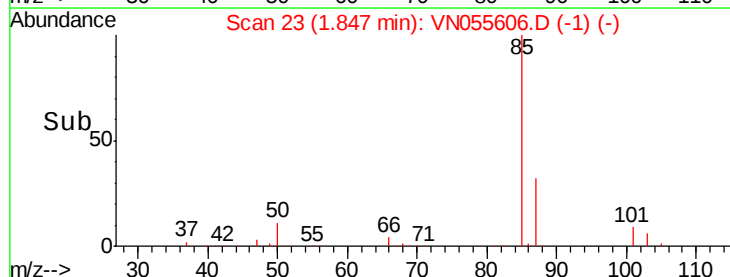
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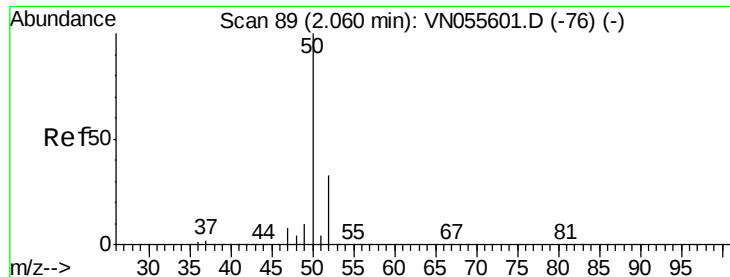
40000

20000

0

Time-->





#3

Chloromethane

Concen: 44.269 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

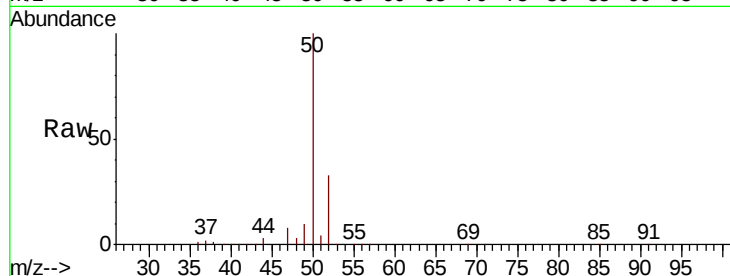
ClientSampled :

Tot Ion: 50 Resp: 157117

Ion Ratio Lower Upper

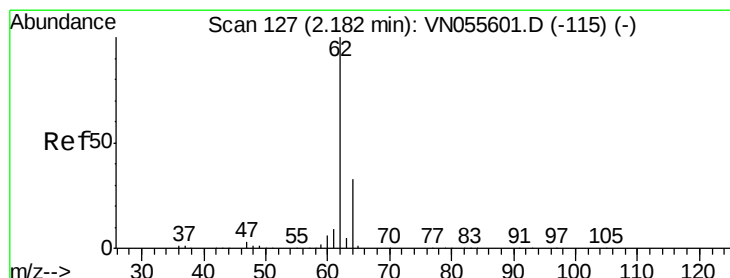
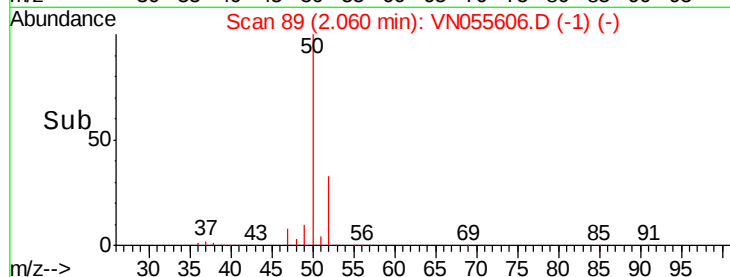
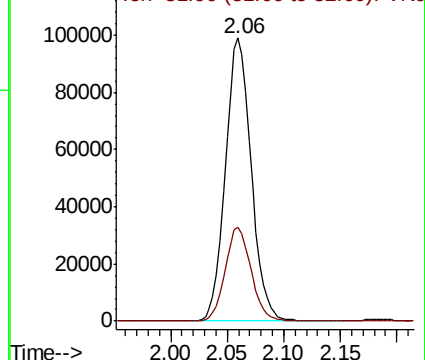
50 100

52 33.3 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 44.522 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN055606.D

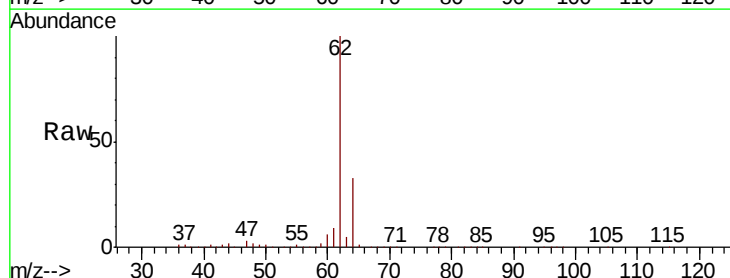
Acq: 17 May 2019 13:06

Tgt Ion: 62 Resp: 171108

Ion Ratio Lower Upper

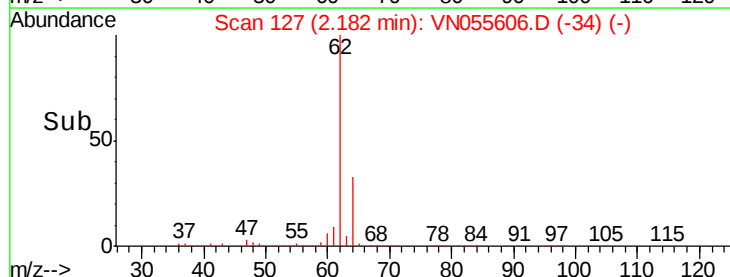
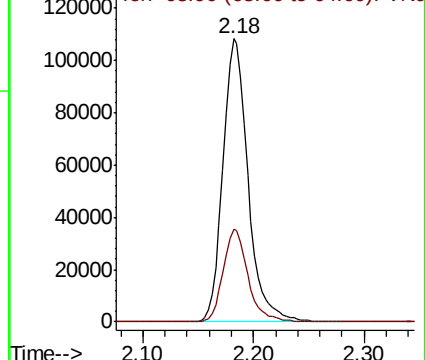
62 100

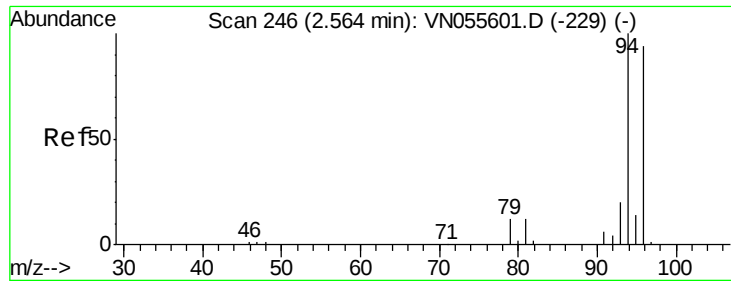
64 32.7 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 46.552 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

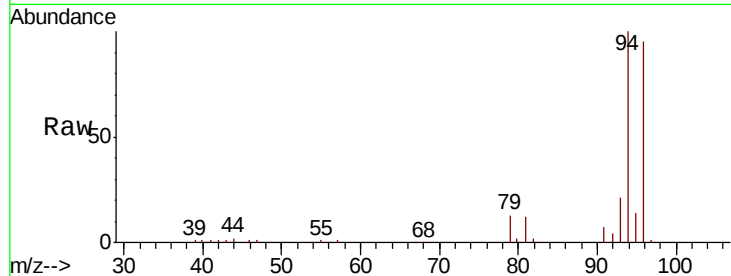
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 114018

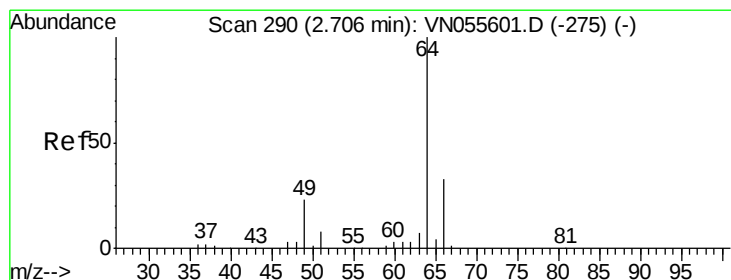
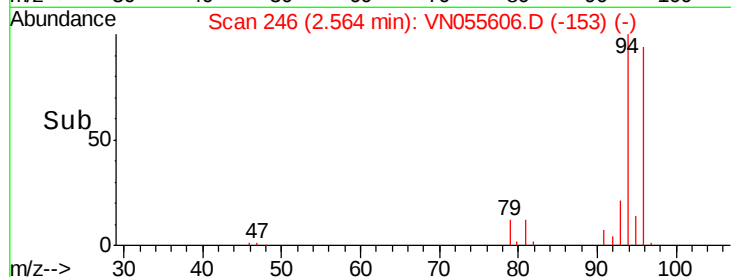
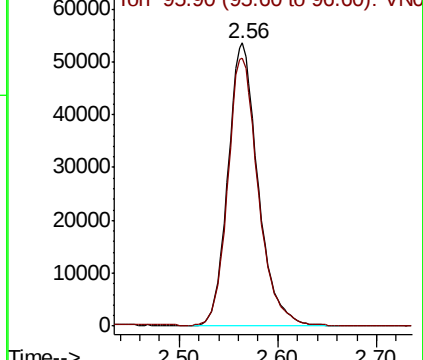
Ion Ratio Lower Upper

94 100

96 94.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN055606.D (-153) (-)



#6

Chloroethane

Concen: 46.234 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN055606.D

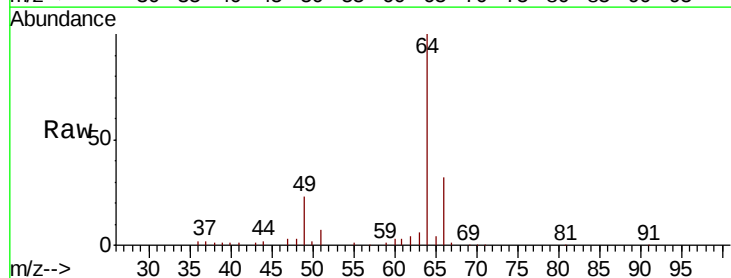
Acq: 17 May 2019 13:06

Tgt Ion: 64 Resp: 98659

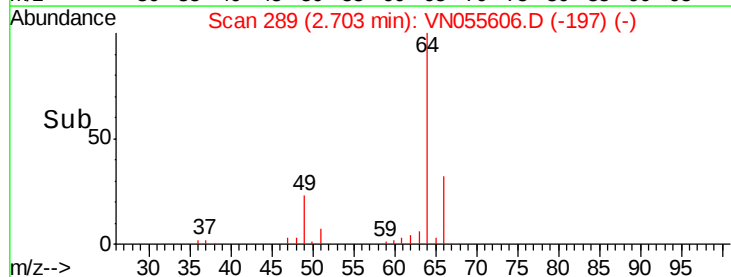
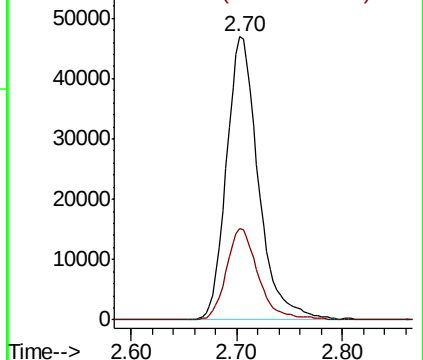
Ion Ratio Lower Upper

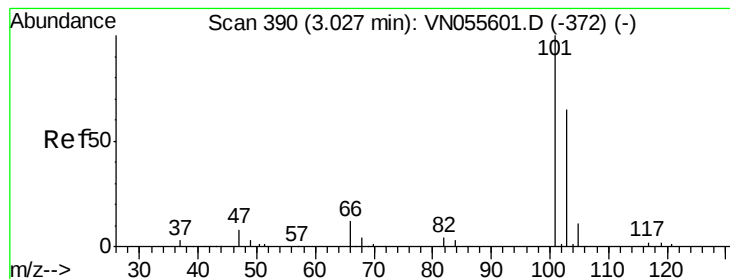
64 100

66 32.4 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN055606.D (-197) (-)



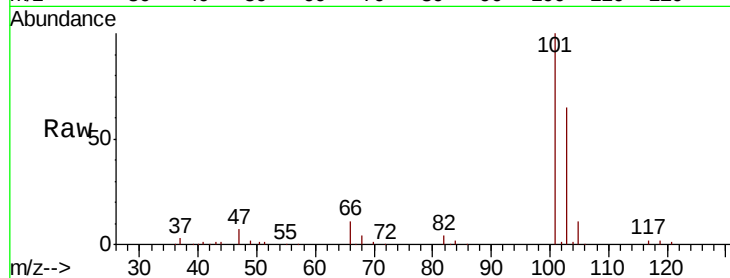


#7

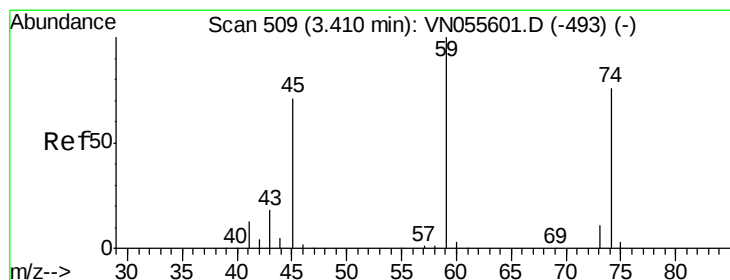
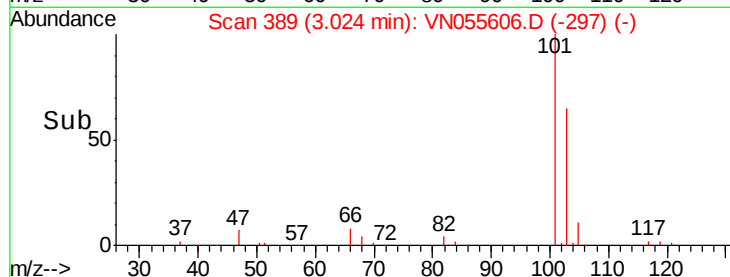
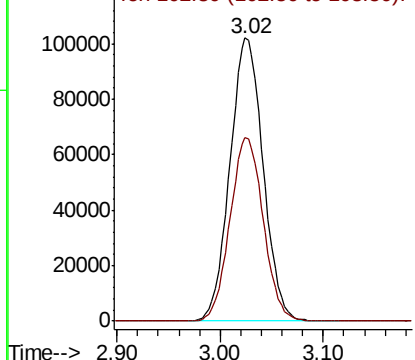
Trichlorofluoromethane
Concen: 46.492 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 228969
Ion Ratio Lower Upper
101 100
103 64.9 52.3 78.5



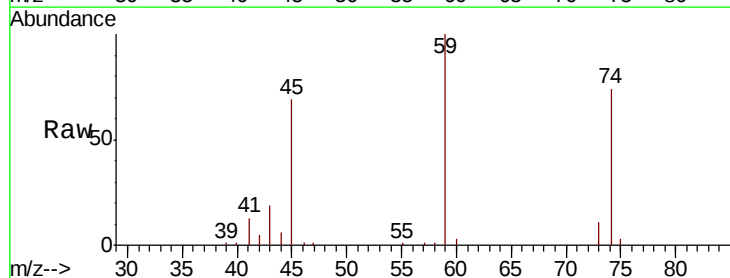
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



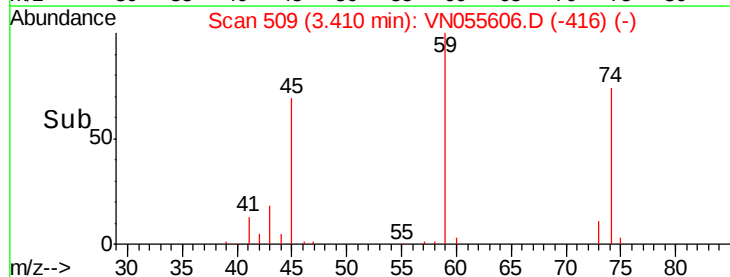
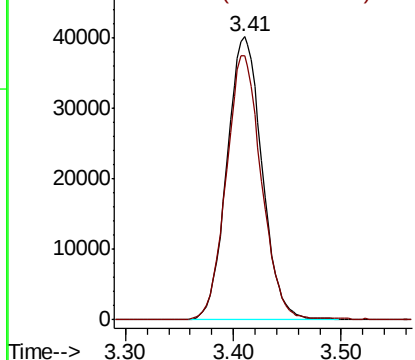
#8

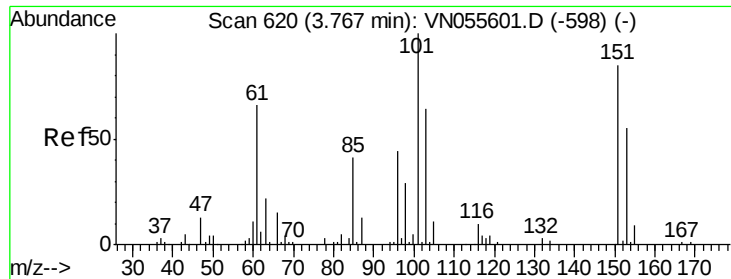
Diethyl Ether
Concen: 45.985 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion: 74 Resp: 90979
Ion Ratio Lower Upper
74 100
45 93.3 46.4 139.2



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.661 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

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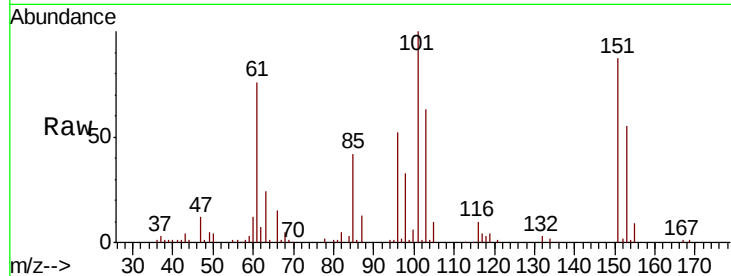
Tot Ion:101 Resp: 143101

Ion Ratio Lower Upper

101 100

85 41.6 33.4 50.0

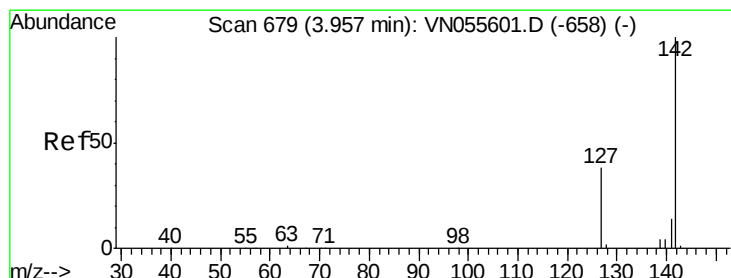
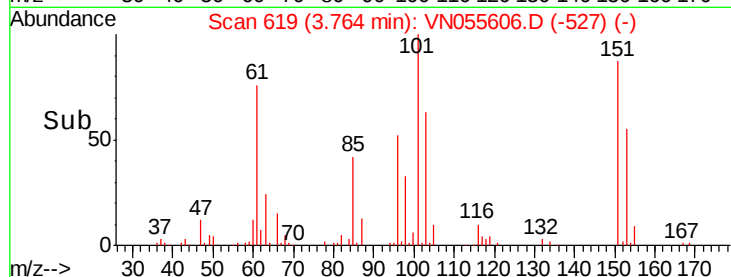
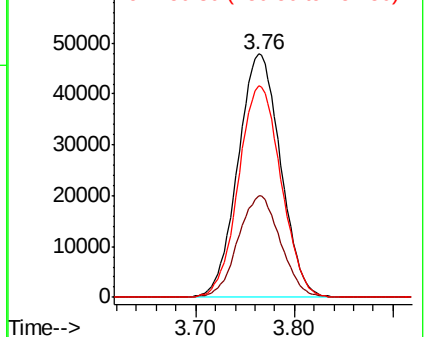
151 86.8 69.3 103.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.919 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

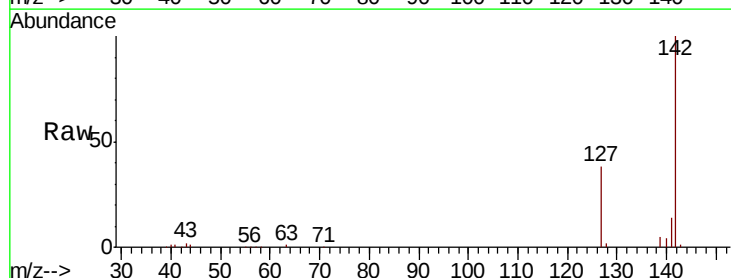
Tgt Ion:142 Resp: 190106

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.4

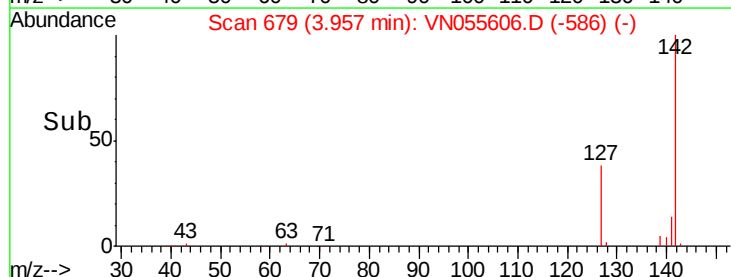
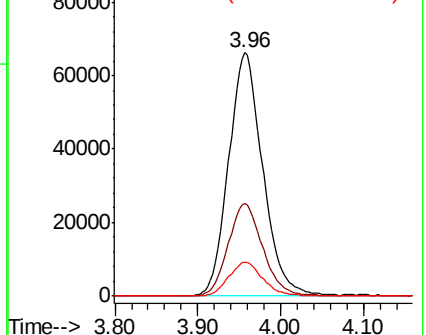
141 13.8 11.5 17.3

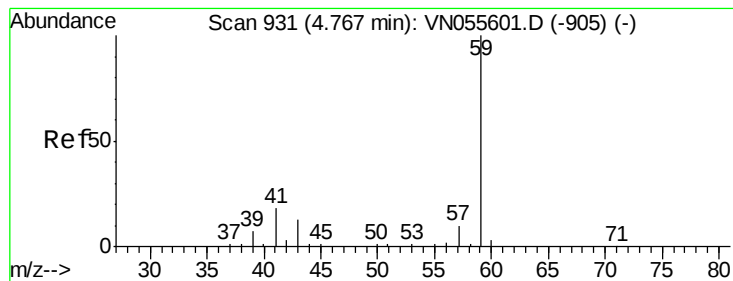


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



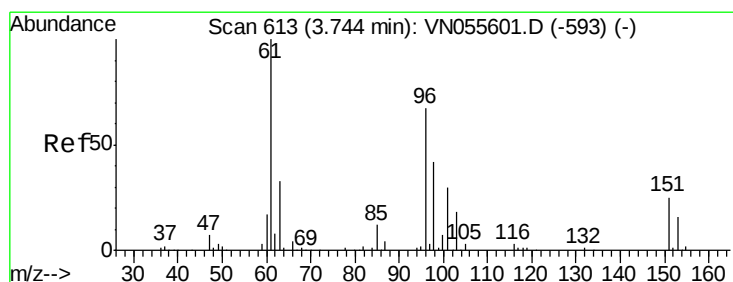
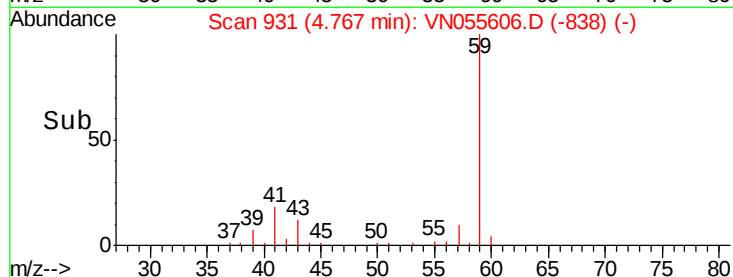
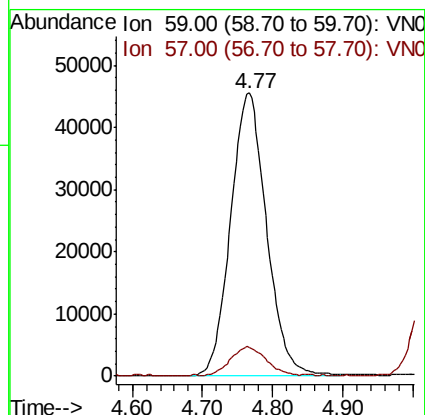
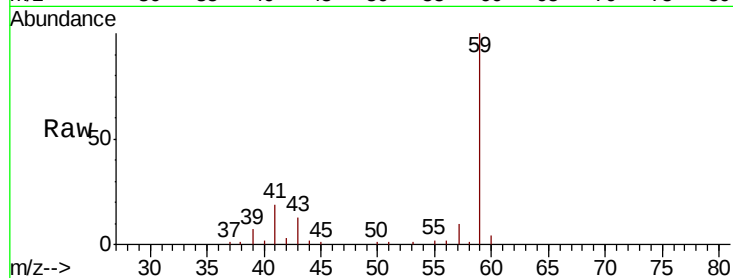


#11

Tert butyl alcohol
 Concen: 229.293 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Instrument :
 MSVOA_N
 ClientSampled :

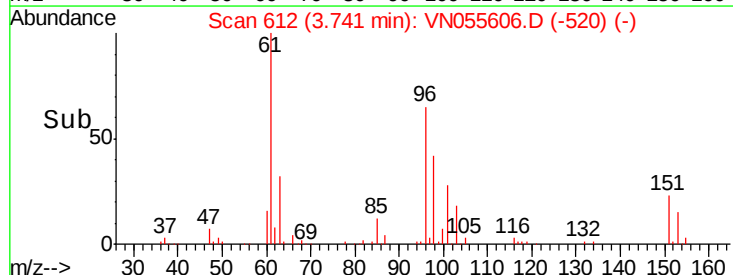
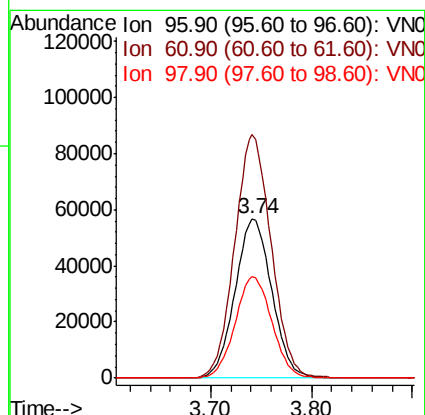
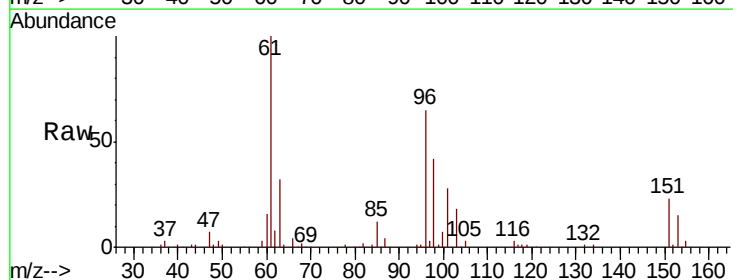
Tot Ion: 59 Resp: 162103
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.8 11.6

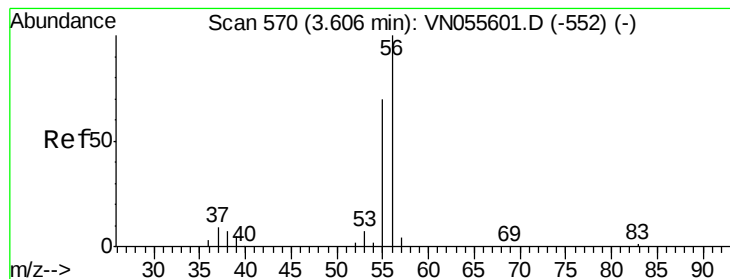


#12

1,1-Dichloroethene
 Concen: 45.433 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion: 96 Resp: 143494
 Ion Ratio Lower Upper
 96 100
 61 153.0 120.2 180.2
 98 64.2 50.6 75.8





#13

Acrolein

Concen: 228.641 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

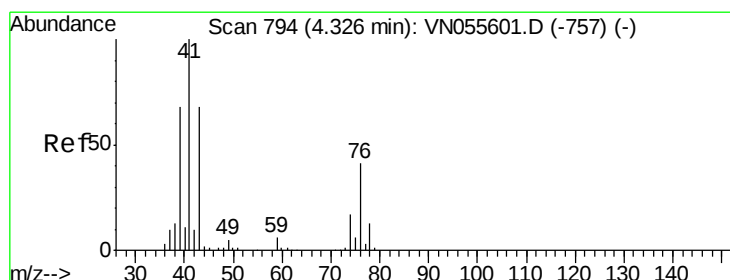
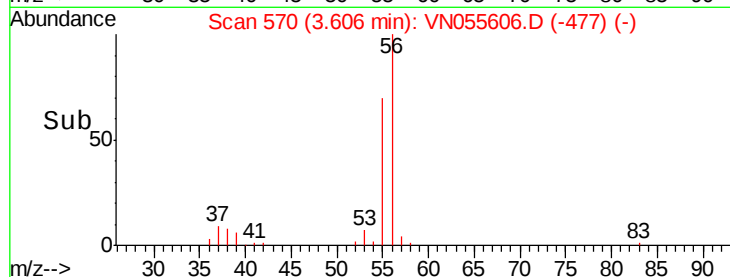
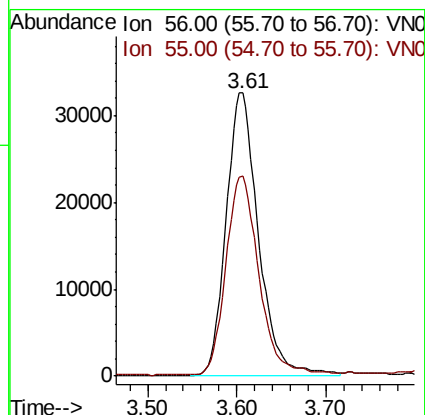
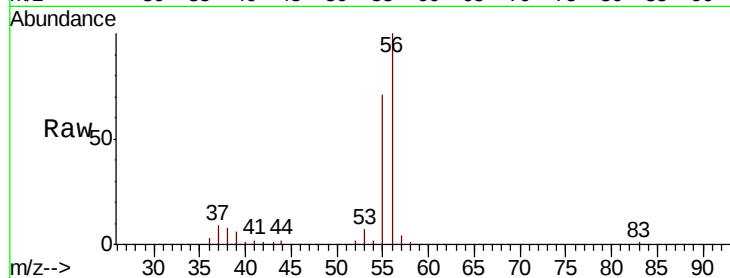
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 82410

Ion Ratio Lower Upper

56 100

55 70.8 56.5 84.7



#14

Allyl chloride

Concen: 46.854 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

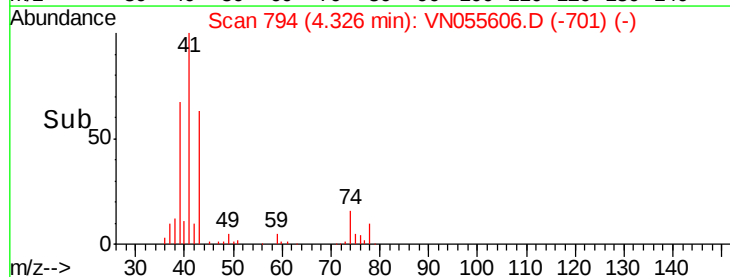
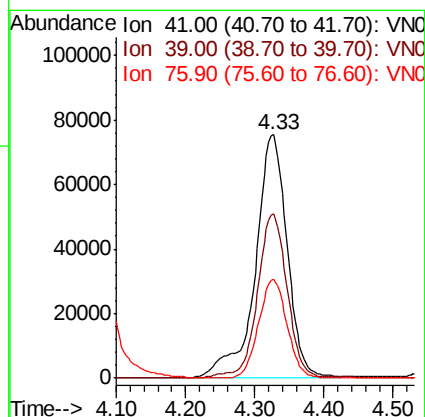
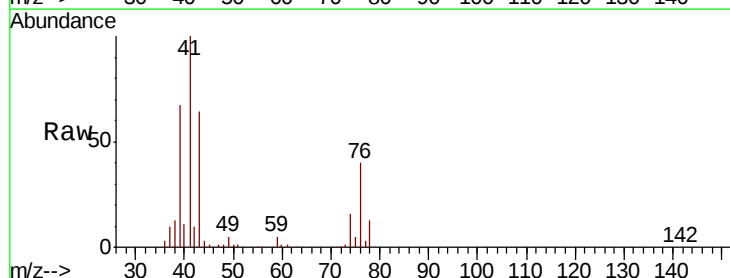
Tgt Ion: 41 Resp: 238898

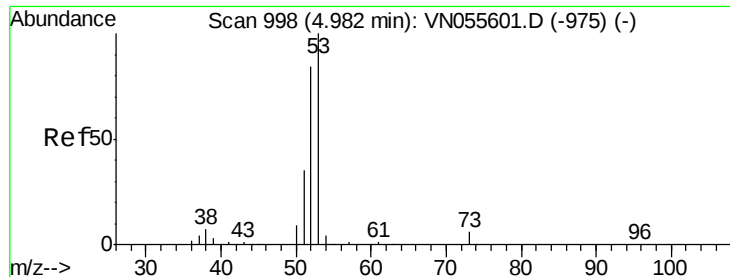
Ion Ratio Lower Upper

41 100

39 63.5 50.5 75.7

76 36.5 29.2 43.8





#15

Acrylonitrile

Concen: 233.440 ug/l

RT: 4.98 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

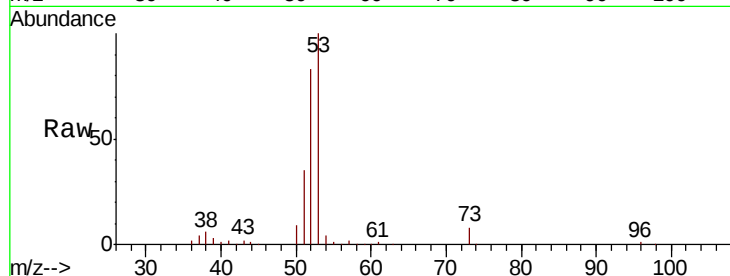
Tot Ion: 53 Resp: 367174

Ion Ratio Lower Upper

53 100

52 83.0 66.2 99.4

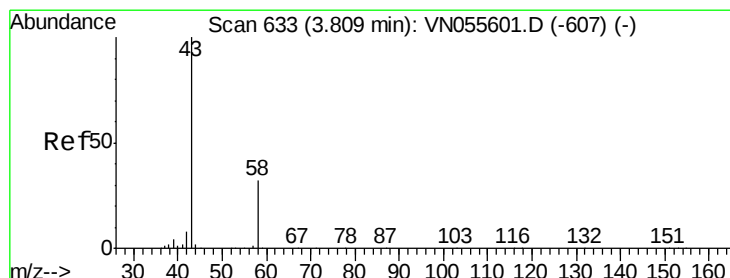
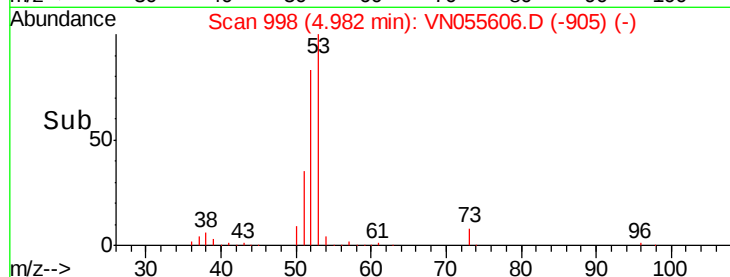
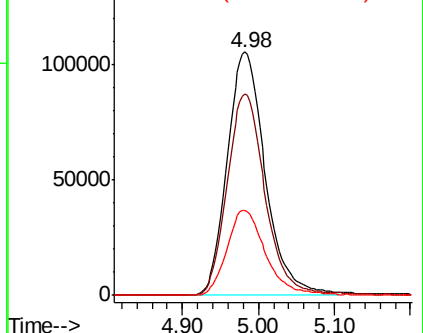
51 35.5 28.5 42.7



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: 250.192 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN055606.D

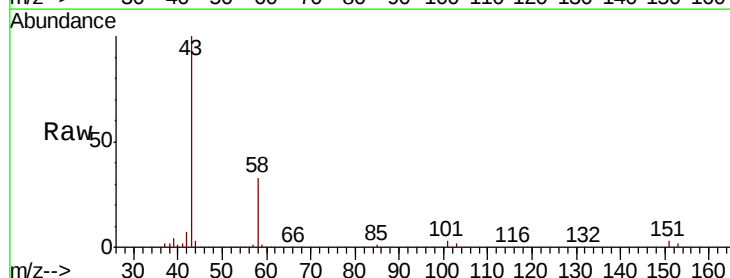
Acq: 17 May 2019 13:06

Tgt Ion: 43 Resp: 387076

Ion Ratio Lower Upper

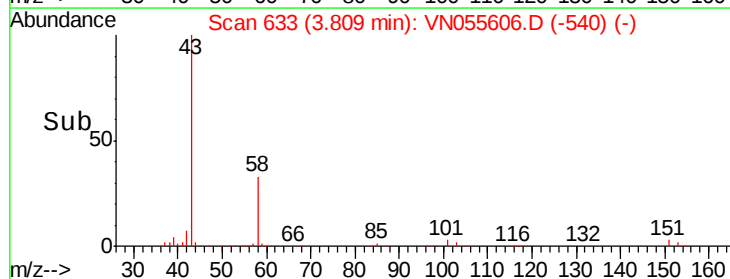
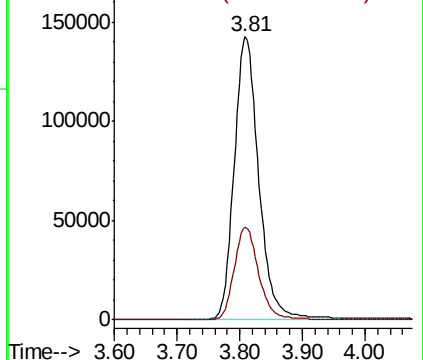
43 100

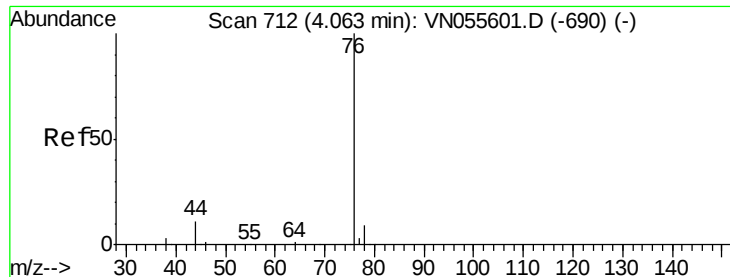
58 33.0 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

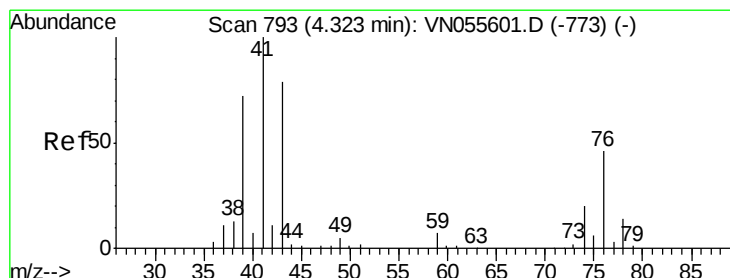
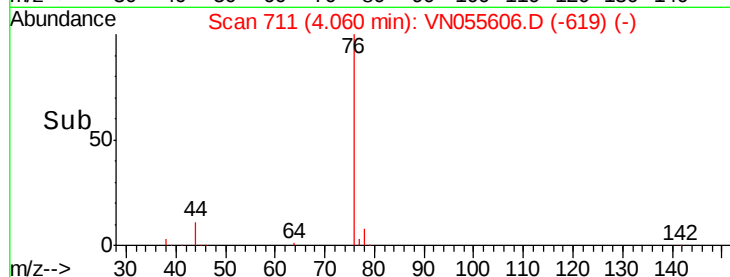
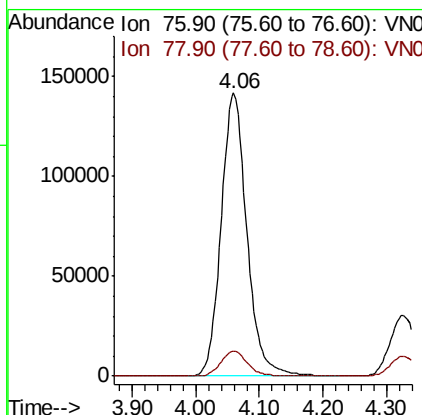
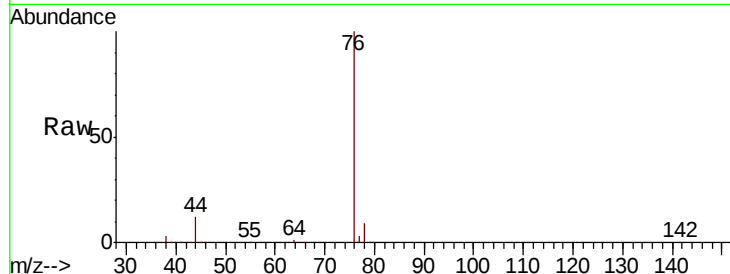




#17
Carbon Disulfide
Concen: 45.336 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

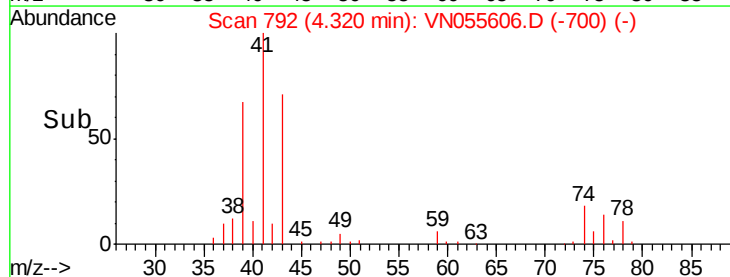
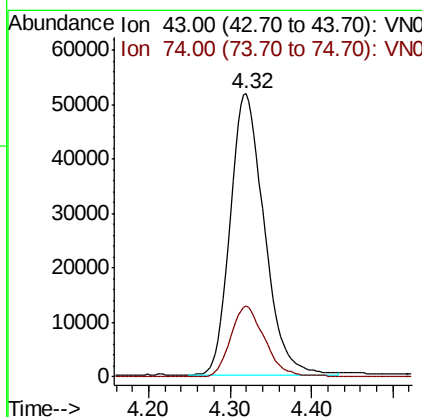
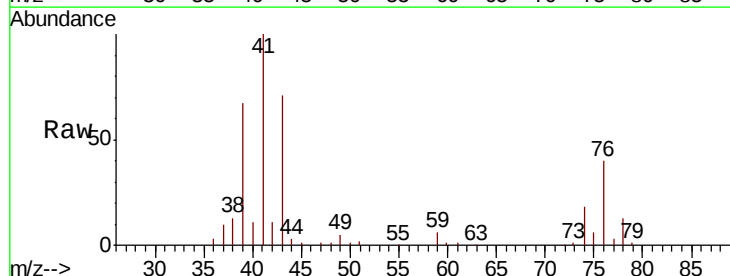
Instrument :
MSVOA_N
ClientSampled :

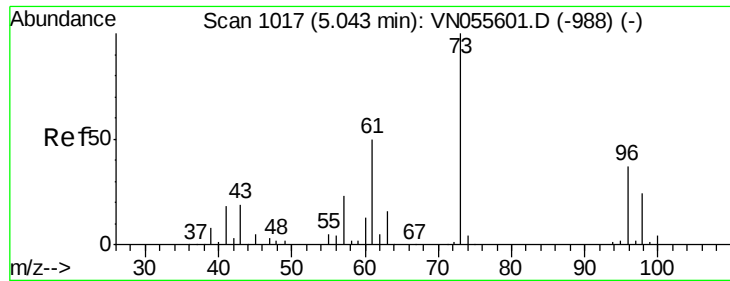
Tot Ion: 76 Resp: 398052
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 45.320 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion: 43 Resp: 150316
Ion Ratio Lower Upper
43 100
74 25.2 19.9 29.9

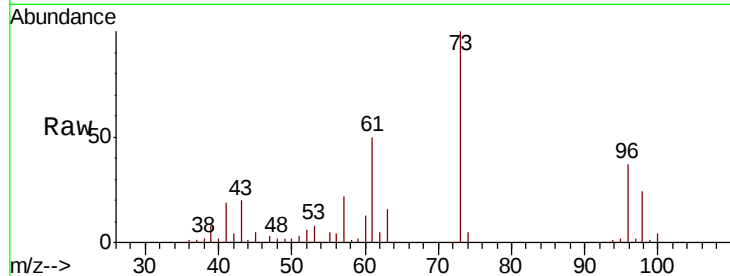




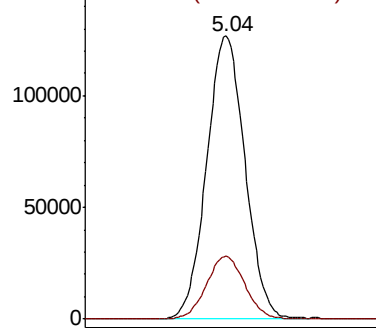
#19
Methyl tert-butyl Ether
Concen: 45.391 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampled :

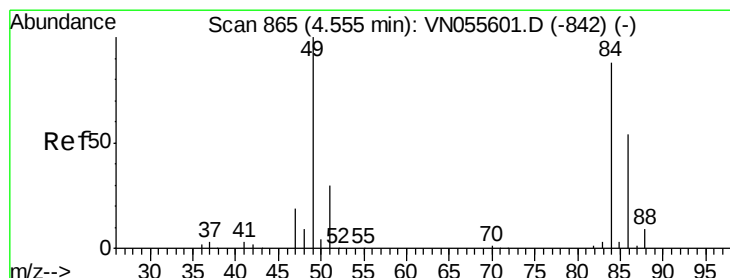
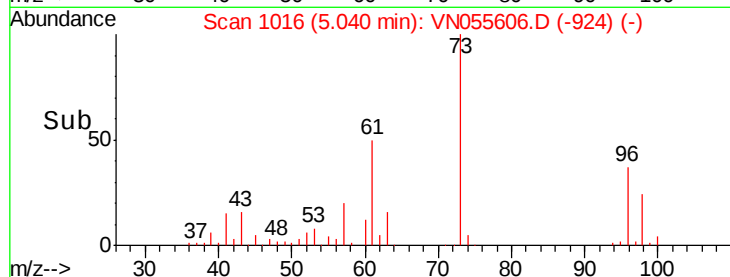
Tot Ion: 73 Resp: 474280
Ion Ratio Lower Upper
73 100
57 22.0 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VN055601.D (-988) (-)
Ion 57.00 (56.70 to 57.70): VN055601.D (-988) (-)

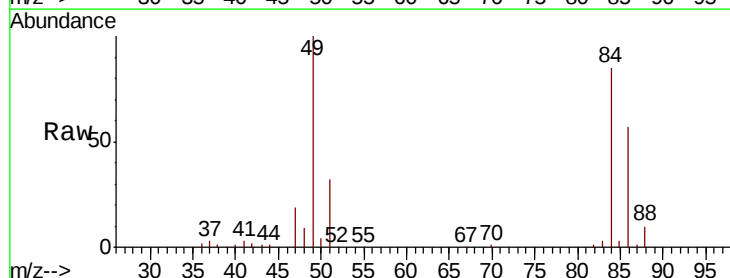


Time-->

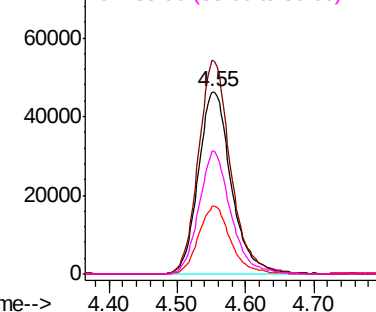


#20
Methylene Chloride
Concen: 43.966 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

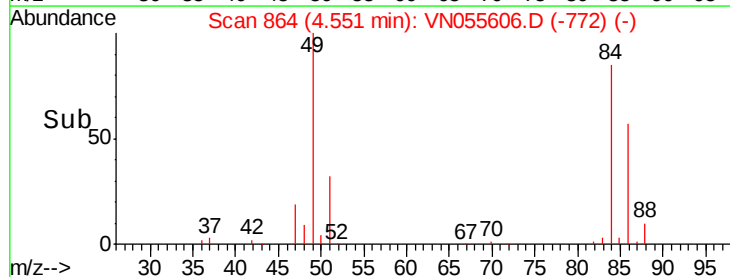
Tgt Ion: 84 Resp: 155233
Ion Ratio Lower Upper
84 100
49 117.3 91.0 136.4
51 37.0 27.5 41.3
86 67.3 49.4 74.0

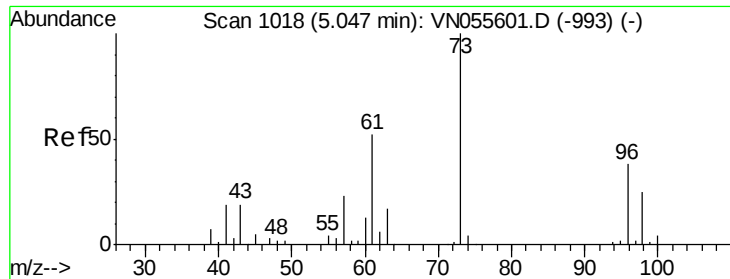


Abundance Ion 83.90 (83.60 to 84.60): VN055601.D (-842) (-)
Ion 48.90 (48.60 to 49.60): VN055601.D (-842) (-)
Ion 50.90 (50.60 to 51.60): VN055601.D (-842) (-)
Ion 85.90 (85.60 to 86.60): VN055601.D (-842) (-)



Time-->





#21

trans-1,2-Dichloroethene

Concen: 45.807 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

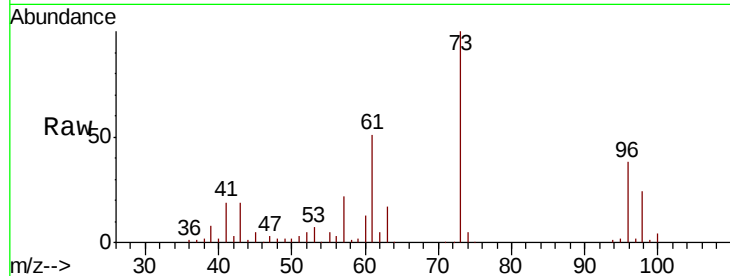
Tot Ion: 96 Resp: 154120

Ion Ratio Lower Upper

96 100

61 134.5 108.6 162.8

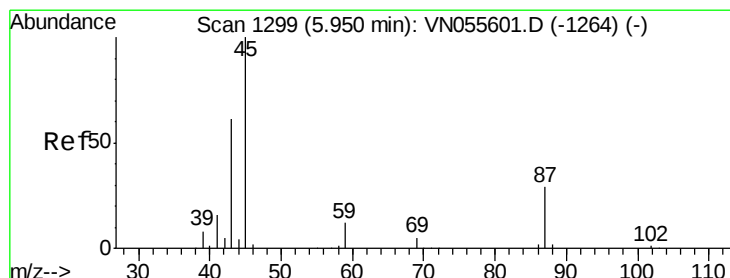
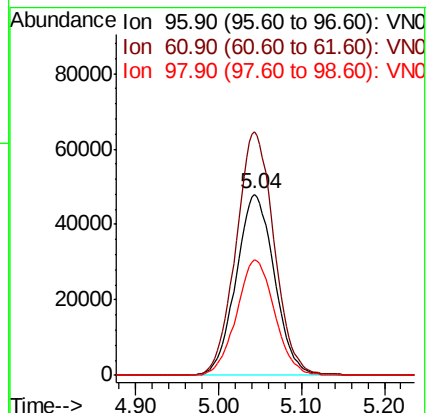
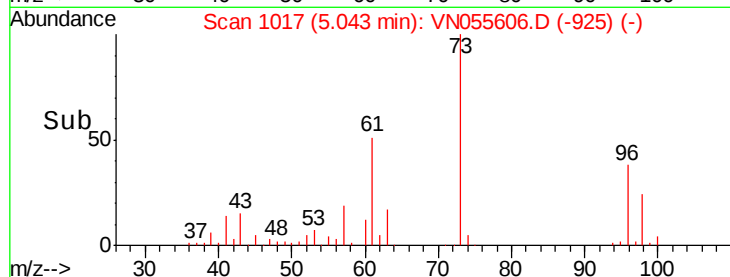
98 63.6 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VN055606.D (-1206) (-)

Ion 60.90 (60.60 to 61.60): VN055606.D (-1206) (-)

Ion 97.90 (97.60 to 98.60): VN055606.D (-1206) (-)



#22

Diisopropyl ether

Concen: 45.806 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Tgt Ion: 45 Resp: 462801

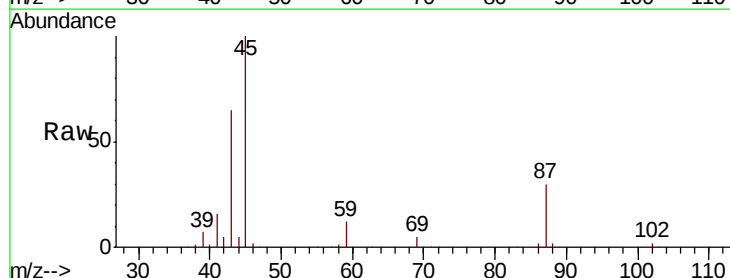
Ion Ratio Lower Upper

45 100

43 62.7 50.4 75.6

87 29.4 23.8 35.6

59 11.6 9.5 14.3

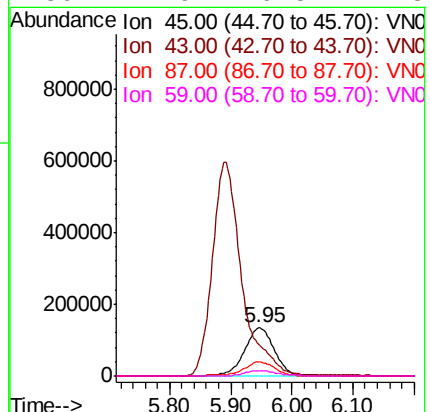
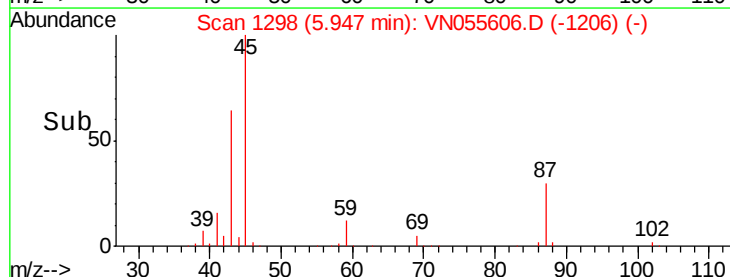


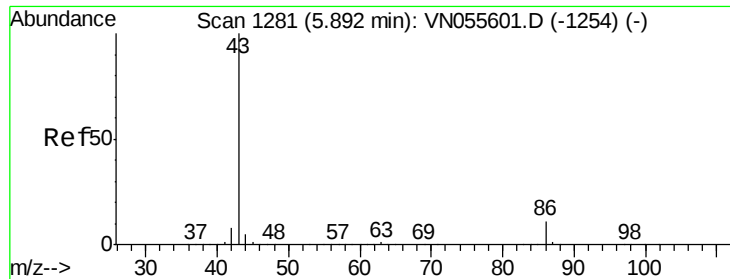
Abundance Ion 45.00 (44.70 to 45.70): VN055606.D (-1206) (-)

Ion 43.00 (42.70 to 43.70): VN055606.D (-1206) (-)

Ion 87.00 (86.70 to 87.70): VN055606.D (-1206) (-)

Ion 59.00 (58.70 to 59.70): VN055606.D (-1206) (-)





#23

Vinyl Acetate

Concen: 233.230 ug/l

RT: 5.89 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

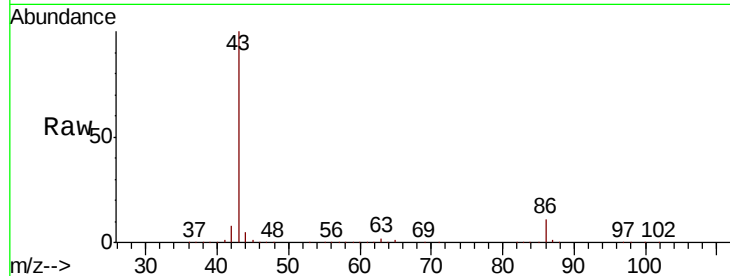
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1999488

Ion Ratio Lower Upper

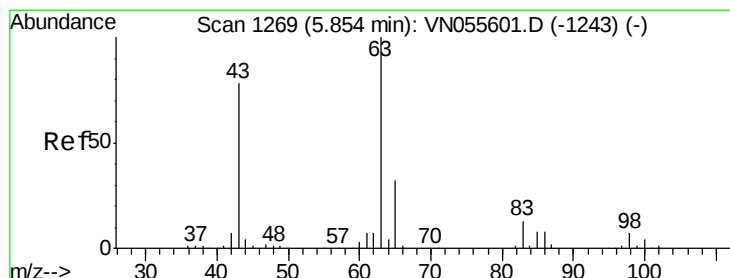
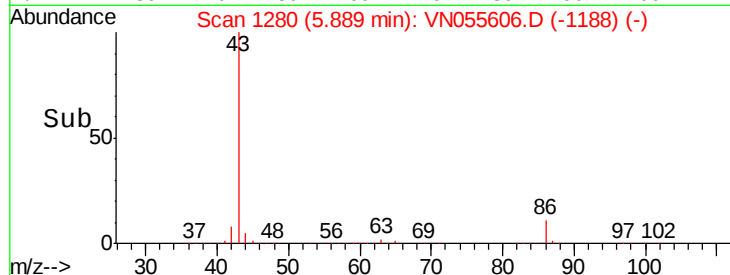
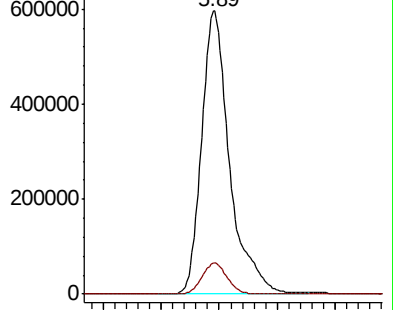
43 100

86 10.9 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN055606.D (-1188) (-)

Ion 86.00 (85.70 to 86.70): VN055606.D (-1188) (-)



#24

1,1-Dichloroethane

Concen: 46.193 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

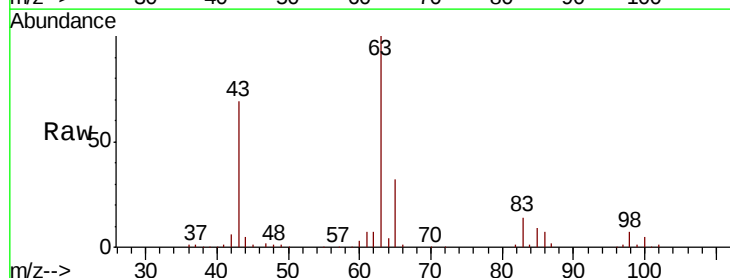
Tgt Ion: 63 Resp: 273656

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

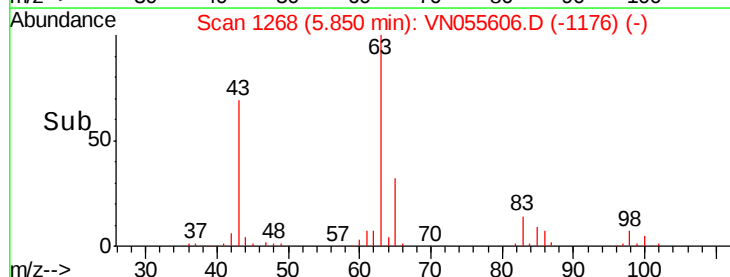
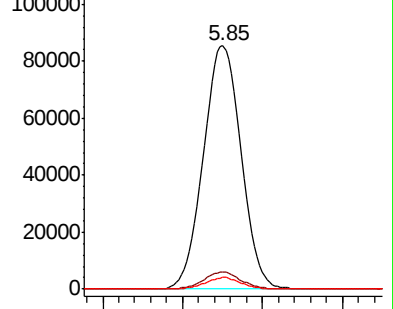
100 4.8 2.2 6.6

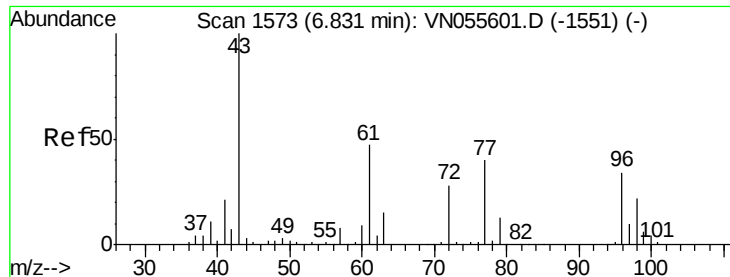


Abundance Ion 62.90 (62.60 to 63.60): VN055606.D (-1176) (-)

Ion 97.90 (97.60 to 98.60): VN055606.D (-1176) (-)

Ion 99.90 (99.60 to 100.60): VN055606.D (-1176) (-)





#25

2-Butanone

Concen: 242.571 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

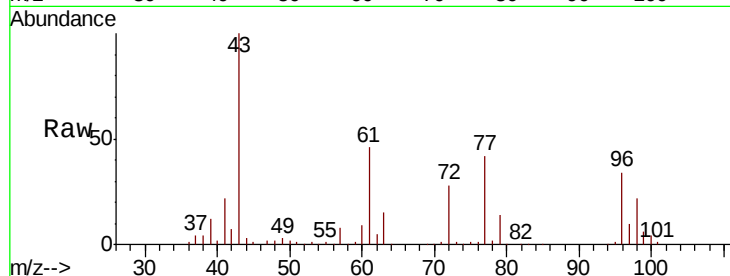
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 524729

Ion Ratio Lower Upper

43 100

72 27.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

200000

150000

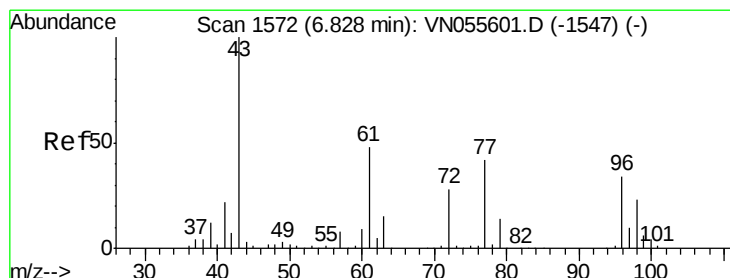
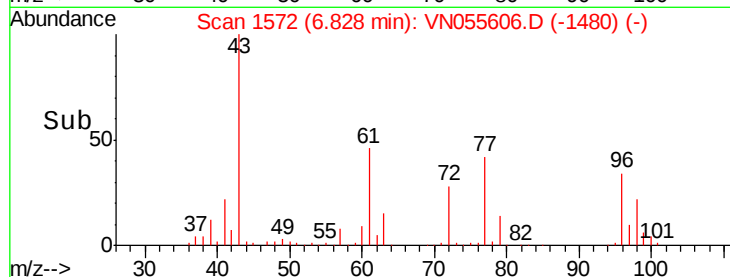
100000

50000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 46.896 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055606.D

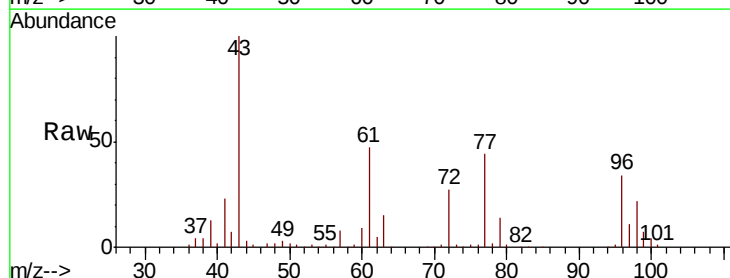
Acq: 17 May 2019 13:06

Tgt Ion: 77 Resp: 246570

Ion Ratio Lower Upper

77 100

97 24.4 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

80000

60000

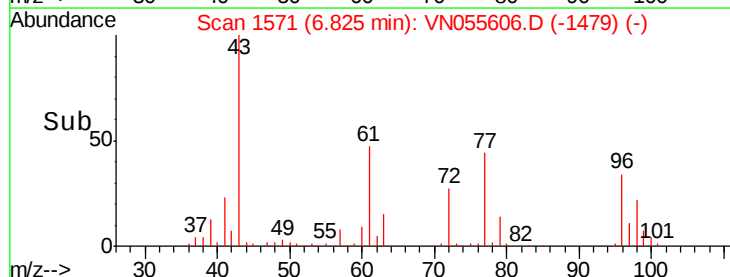
40000

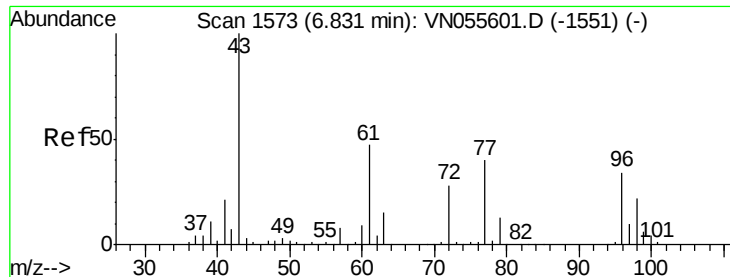
20000

0

6.70 6.80 6.90 7.00

Time-->





#27

cis-1,2-Dichloroethene

Concen: 45.280 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampled :

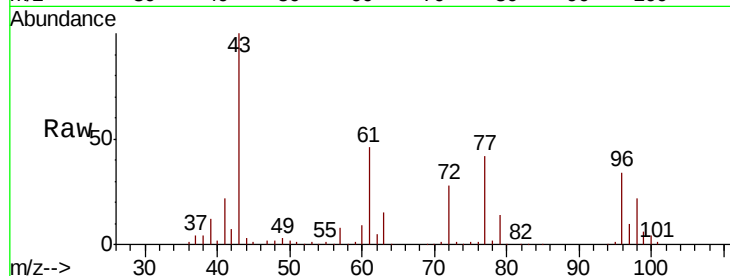
Tot Ion: 96 Resp: 177400

Ion Ratio Lower Upper

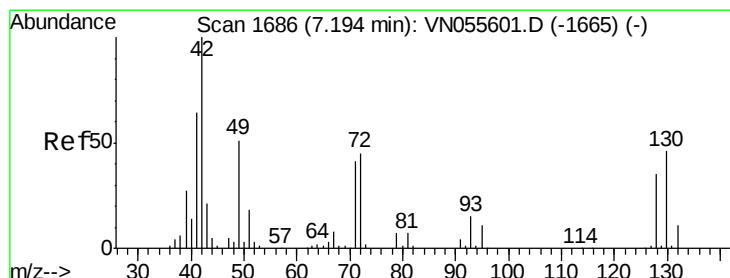
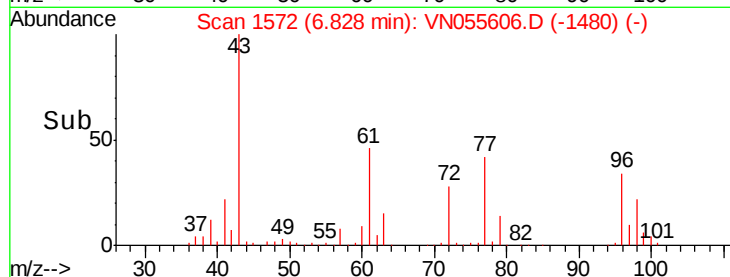
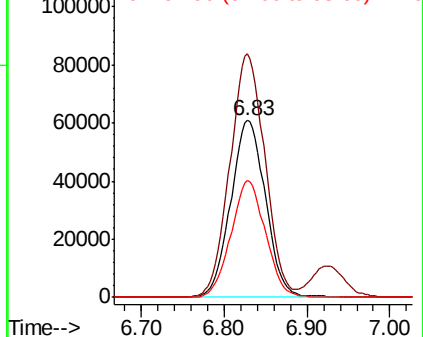
96 100

61 138.9 0.0 279.0

98 65.5 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: 48.471 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

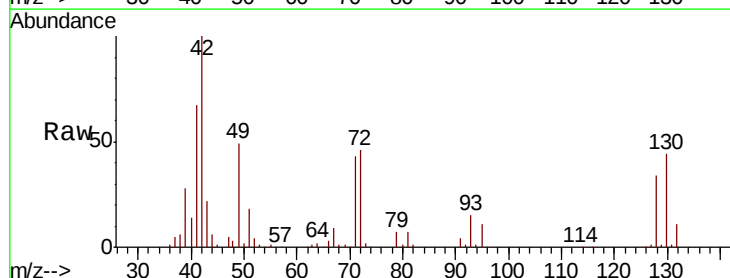
Tgt Ion: 49 Resp: 124925

Ion Ratio Lower Upper

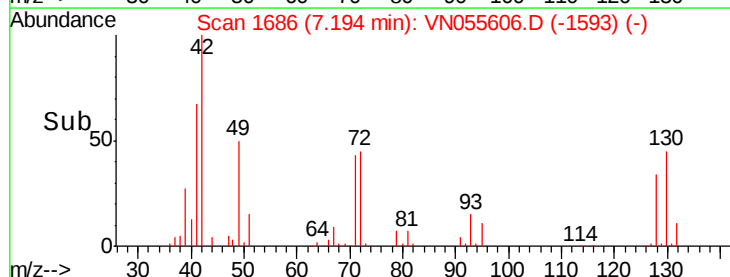
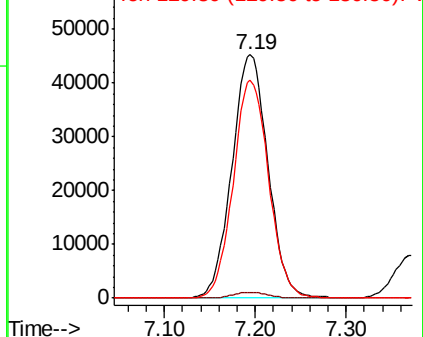
49 100

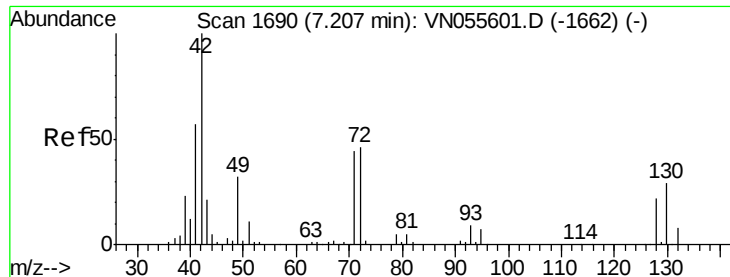
129 2.2 0.0 4.4

130 88.0 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

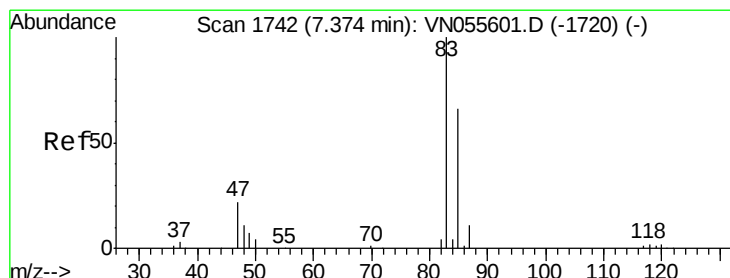
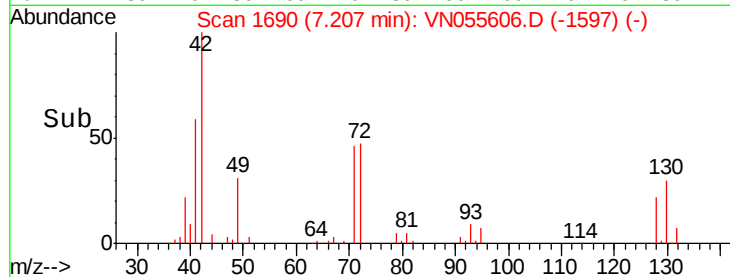
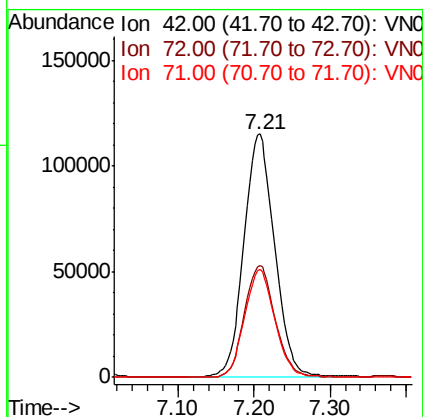
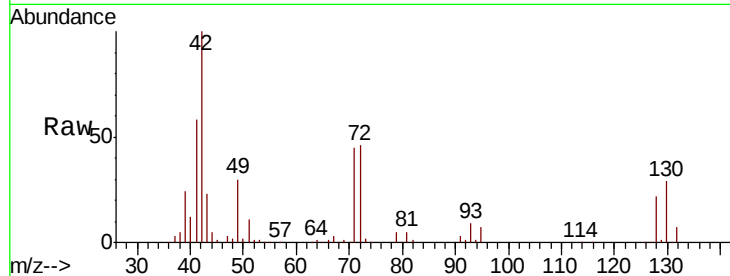




#29
Tetrahydrofuran
Concen: 227.055 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

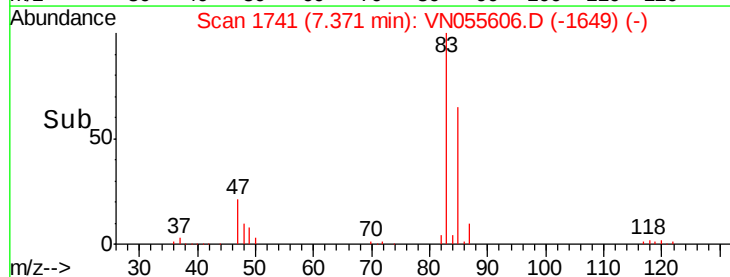
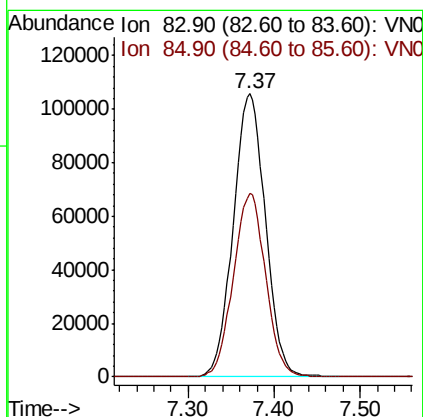
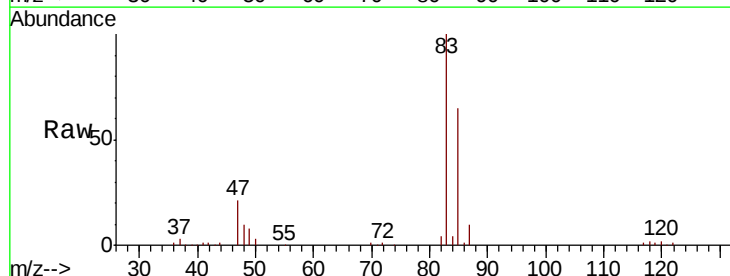
Instrument :
MSVOA_N
ClientSampled :

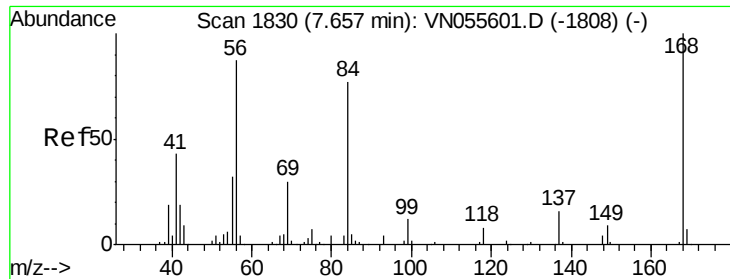
Tot Ion: 42 Resp: 325402
Ion Ratio Lower Upper
42 100
72 45.6 36.5 54.7
71 43.6 34.9 52.3



#30
Chloroform
Concen: 45.245 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion: 83 Resp: 275140
Ion Ratio Lower Upper
83 100
85 64.9 52.6 78.8

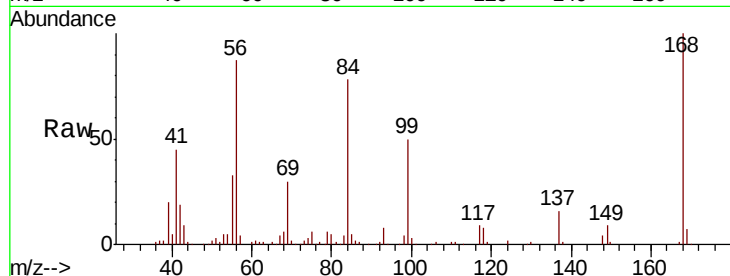




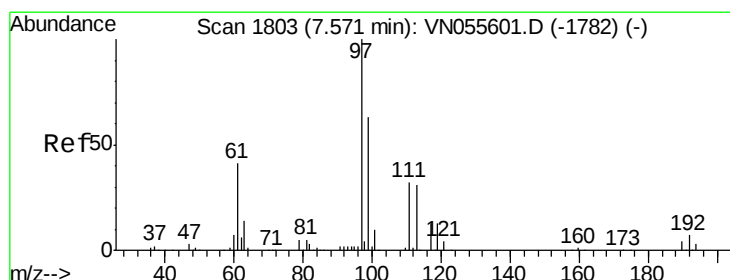
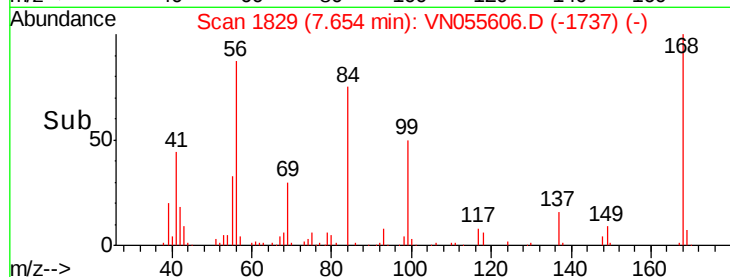
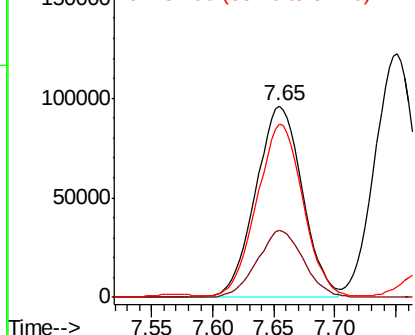
#31
Cyclohexane
Concen: 45.496 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 255803
Ion Ratio Lower Upper
56 100
69 34.8 27.2 40.8
84 89.2 71.3 106.9

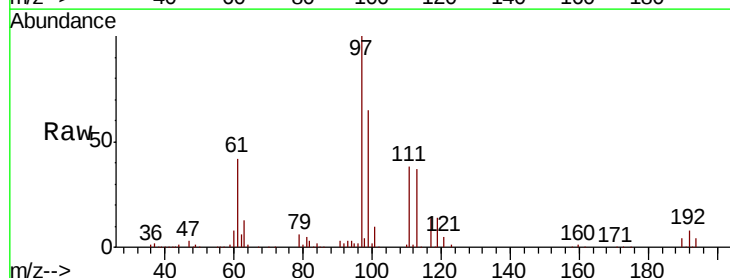


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

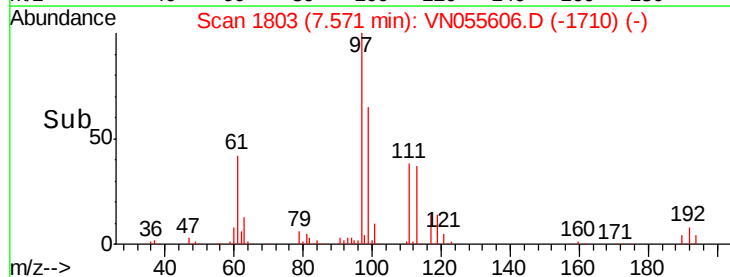
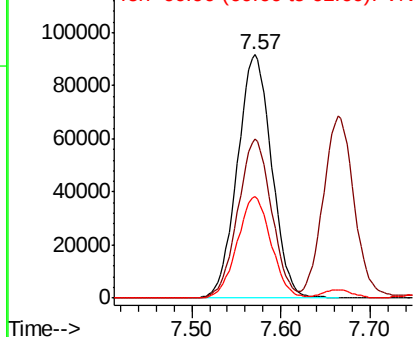


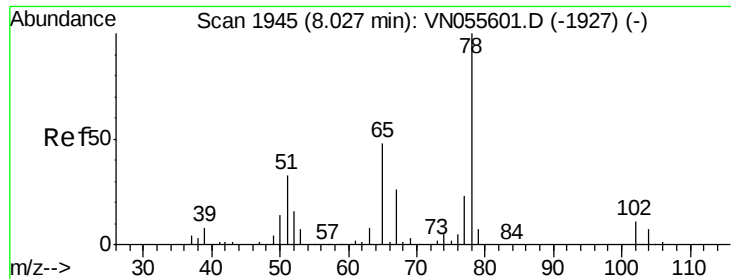
#32
1,1,1-Trichloroethane
Concen: 44.875 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion: 97 Resp: 244762
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.2
61 41.2 32.9 49.3



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

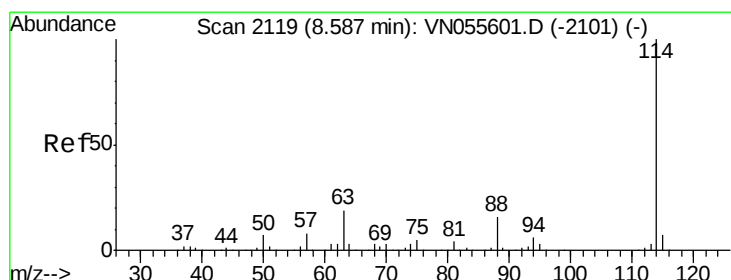
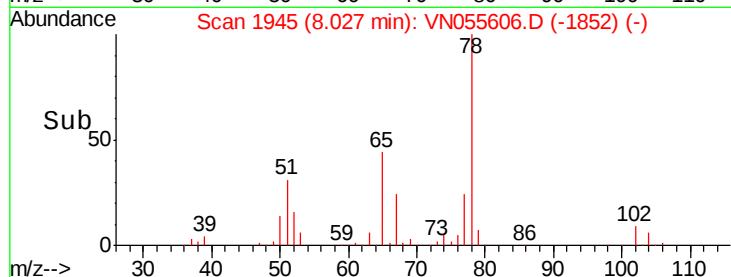
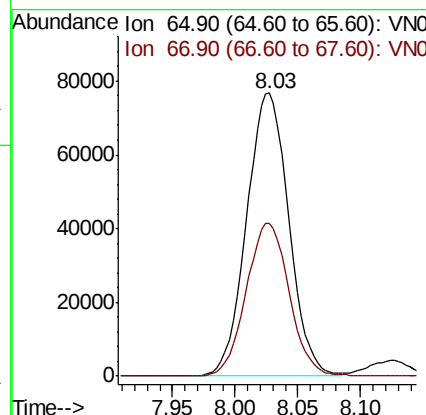
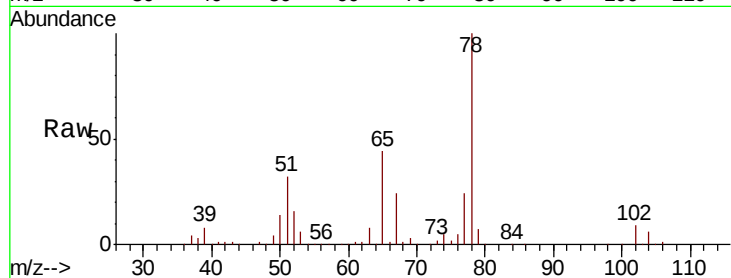




#33
 1,2-Dichloroethane-d4
 Concen: 47.394 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

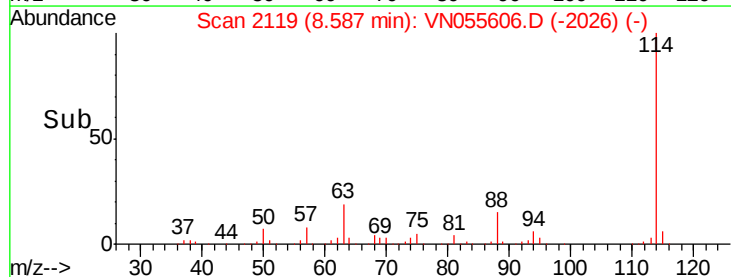
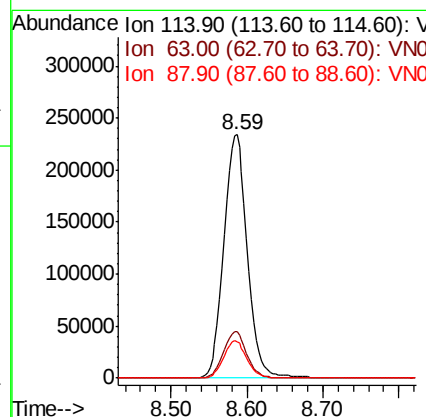
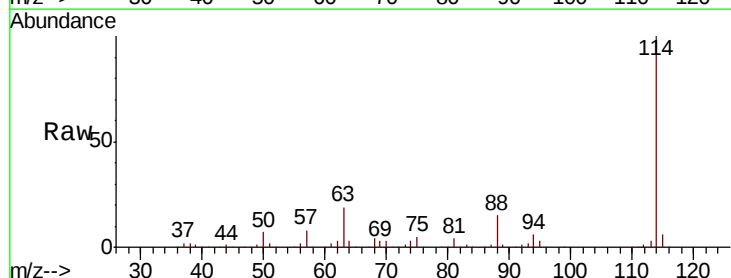
Instrument :
 MSVOA_N
 ClientSampled :

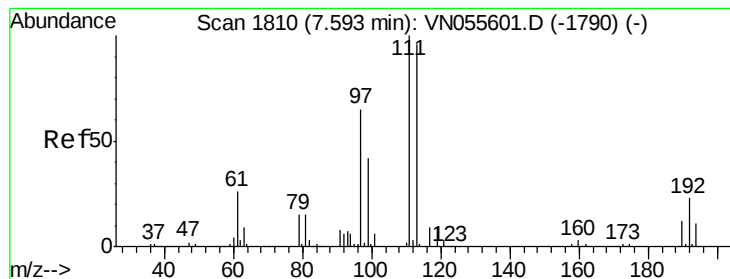
Tot Ion: 65 Resp: 179676
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion: 114 Resp: 502676
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.2
 88 15.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.285 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

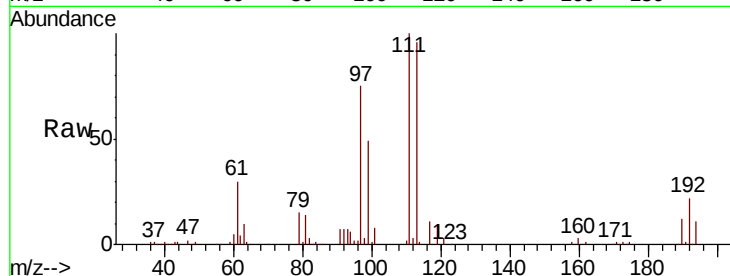
Tot Ion:113 Resp: 160572

Ion Ratio Lower Upper

113 100

111 103.1 82.5 123.7

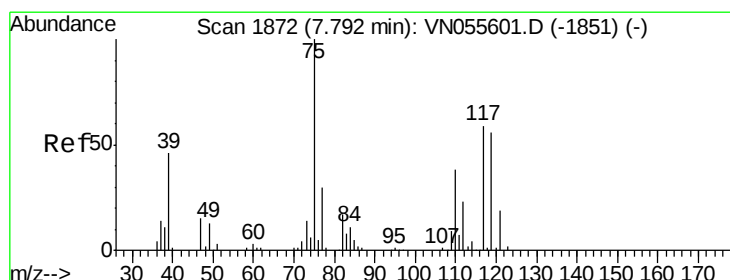
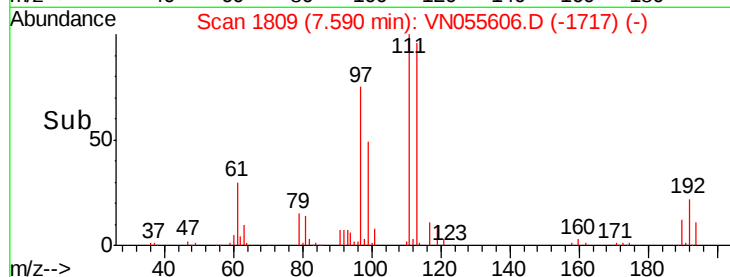
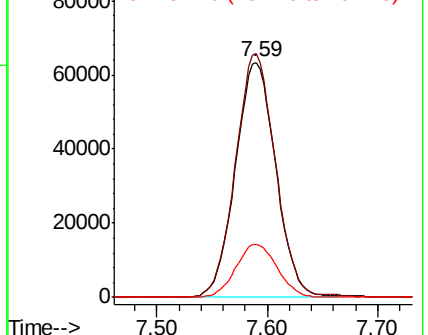
192 23.1 18.7 28.1



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: 47.815 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

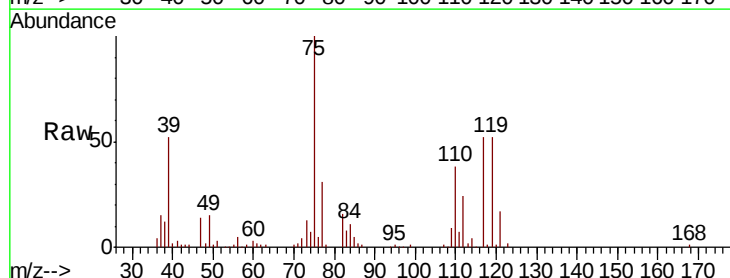
Tgt Ion: 75 Resp: 214291

Ion Ratio Lower Upper

75 100

110 37.6 18.6 55.6

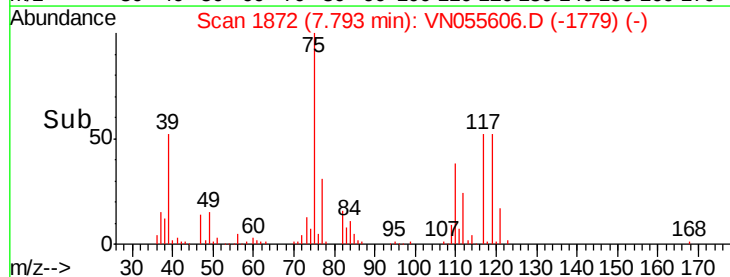
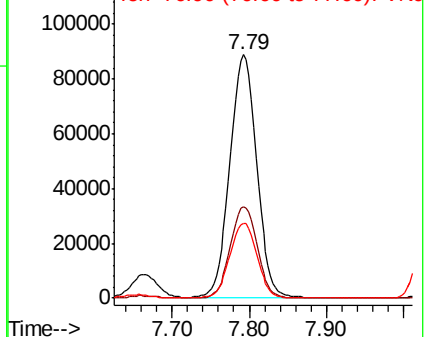
77 31.4 24.9 37.3

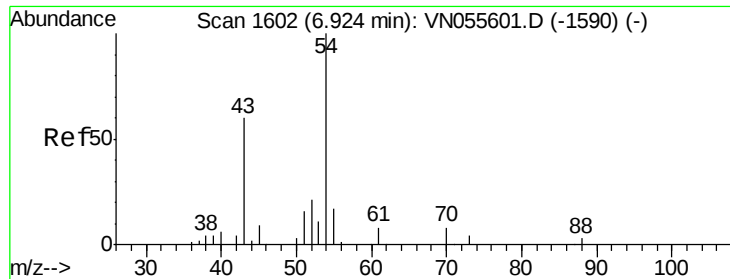


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

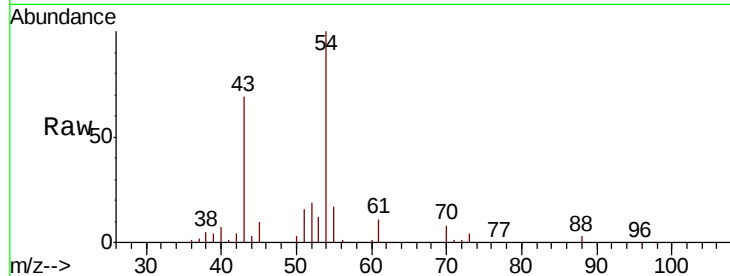




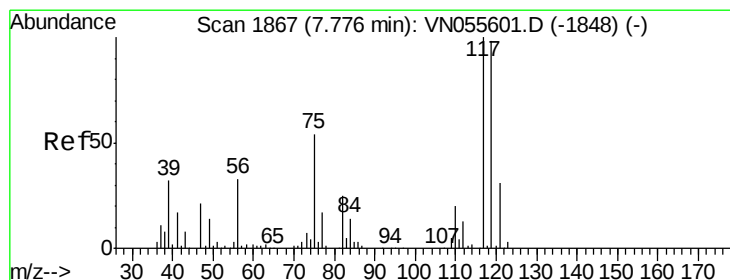
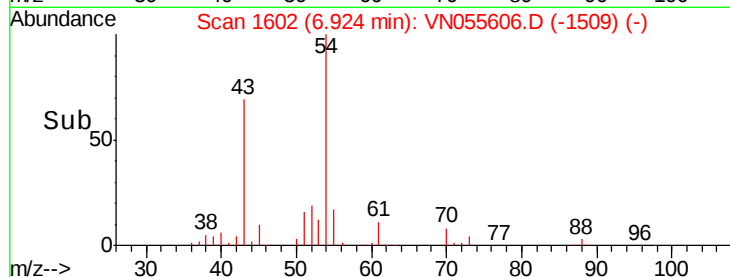
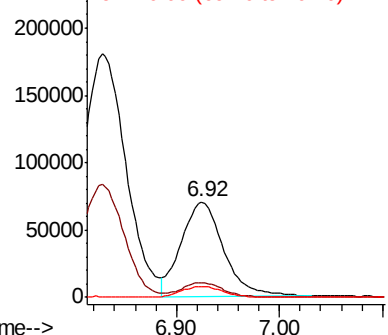
#37
Ethyl Acetate
Concen: 49.221 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 199056
Ion Ratio Lower Upper
43 100
61 15.8 11.4 17.0
70 11.8 9.2 13.8

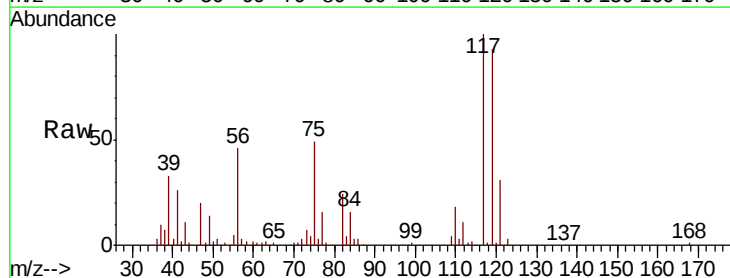


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

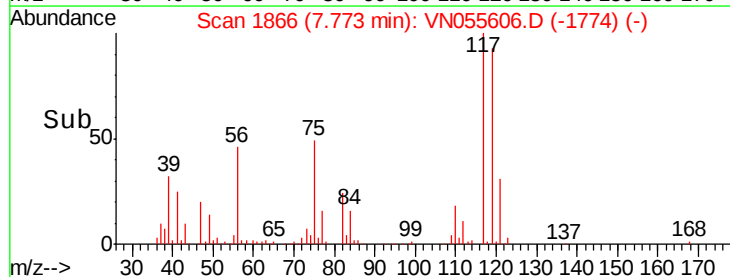
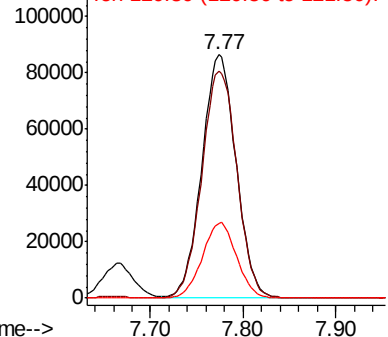


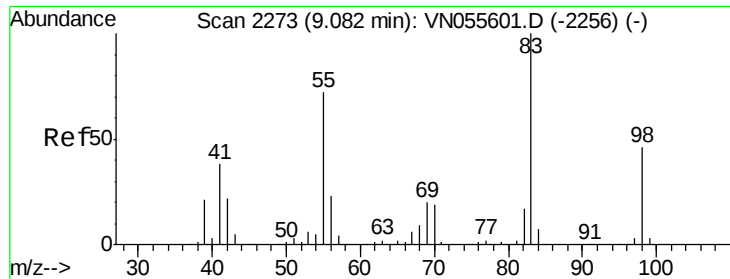
#38
Carbon Tetrachloride
Concen: 46.256 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion: 117 Resp: 221522
Ion Ratio Lower Upper
117 100
119 93.1 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

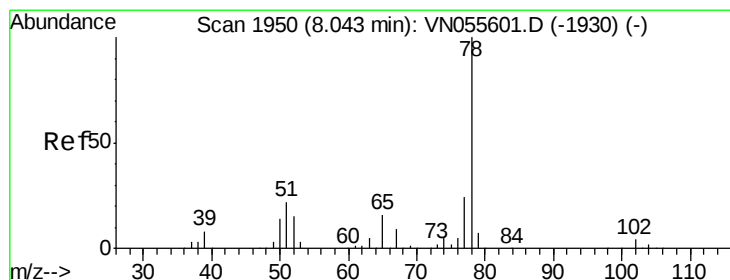
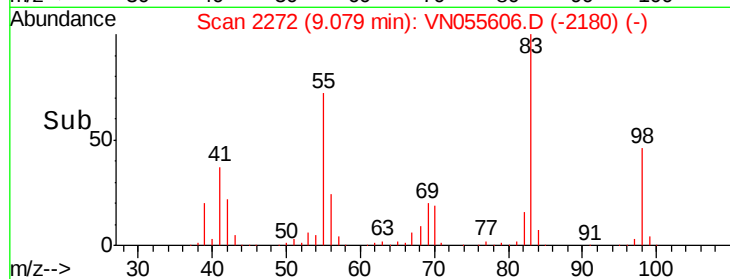
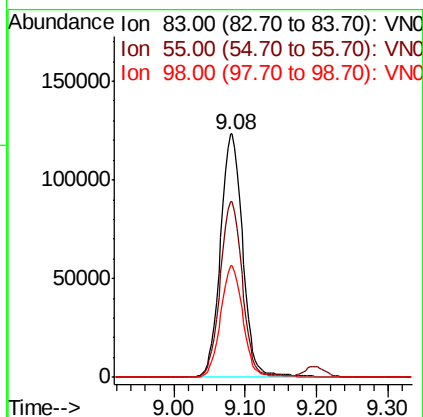
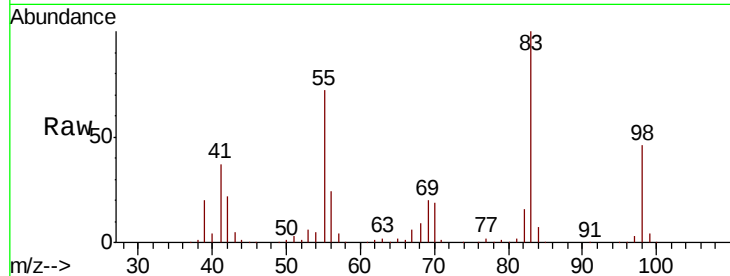




#39
Methvlcvclohexane
Concen: 49.636 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

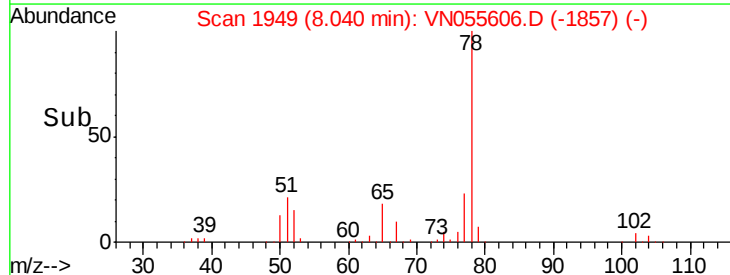
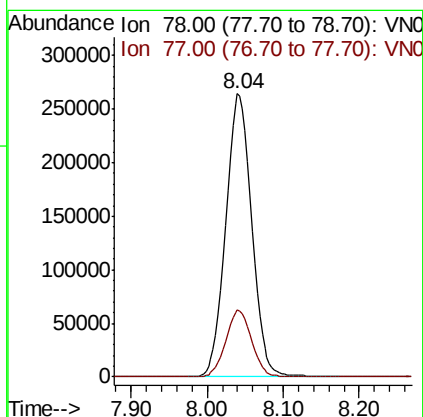
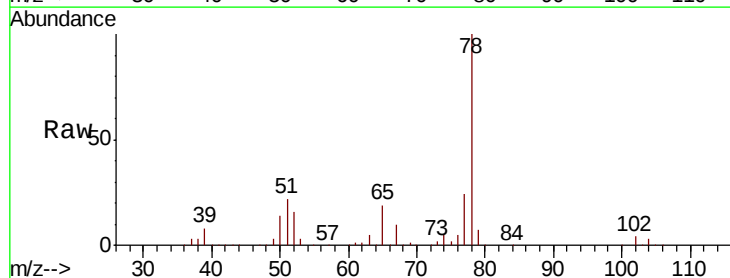
Instrument :
MSVOA_N
ClientSampled :

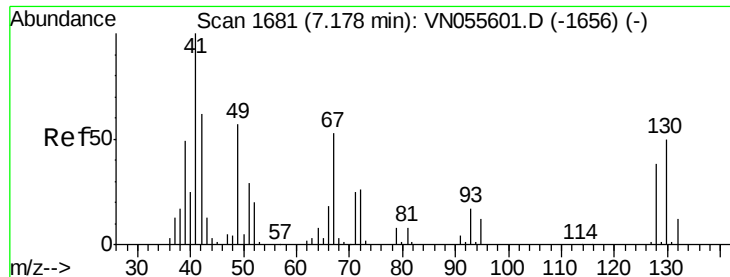
Tot Ion: 83 Resp: 268160
Ion Ratio Lower Upper
83 100
55 72.3 57.8 86.6
98 45.8 36.7 55.1



#40
Benzene
Concen: 47.799 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion: 78 Resp: 630083
Ion Ratio Lower Upper
78 100
77 23.7 18.9 28.3





#41

Methacrylonitrile

Concen: 165.725 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.03 min

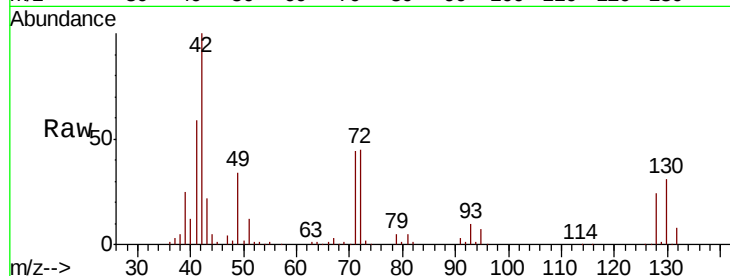
Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 286543

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



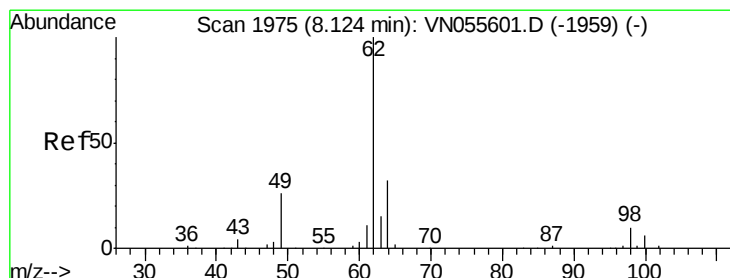
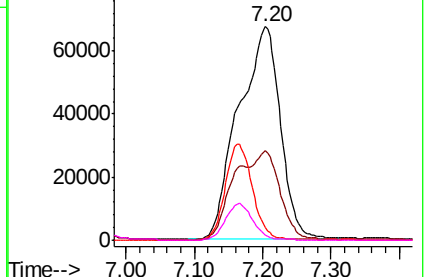
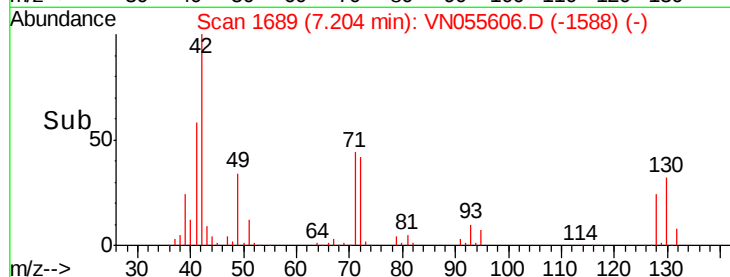
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 48.369 ug/l

RT: 8.12 min Scan# 1975

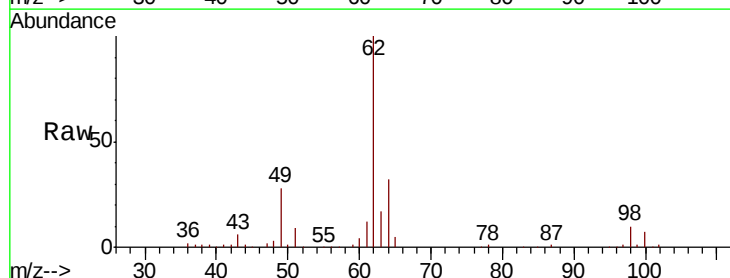
Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Tgt Ion: 62 Resp: 206466

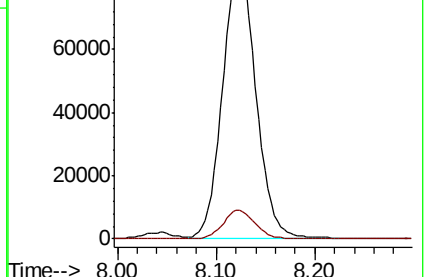
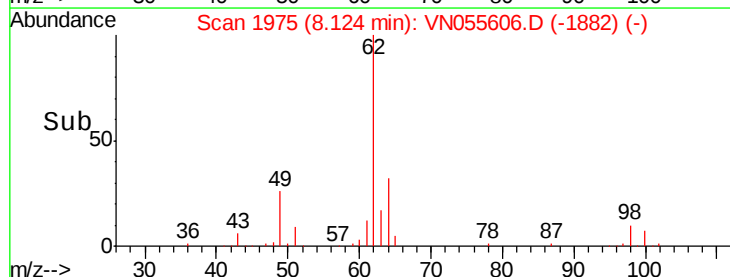
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2

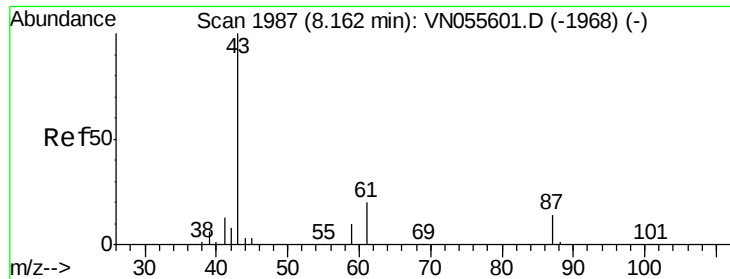


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 47.404 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

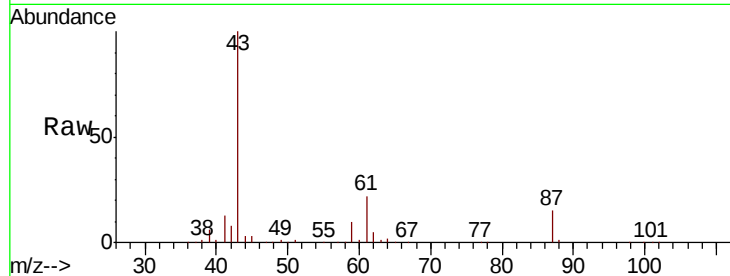
Tot Ion: 43 Resp: 333477

Ion Ratio Lower Upper

43 100

61 28.2 22.1 33.1

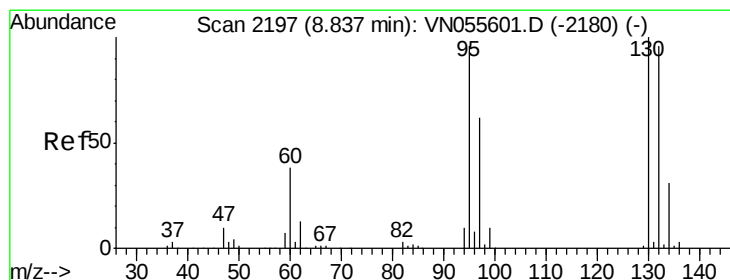
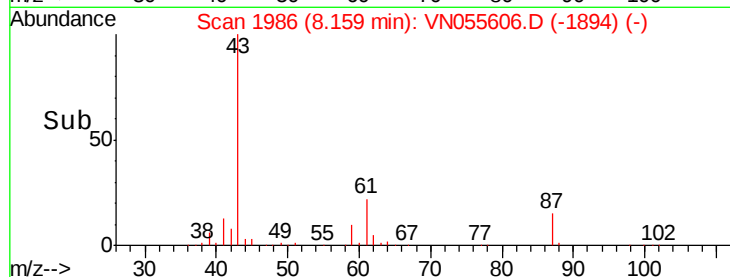
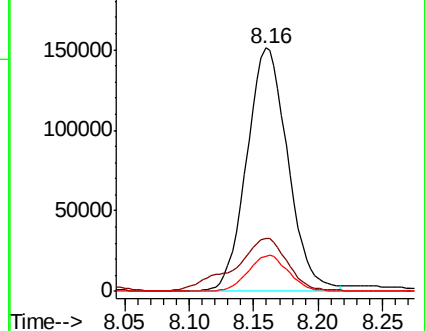
87 14.8 11.8 17.6



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: 48.779 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055606.D

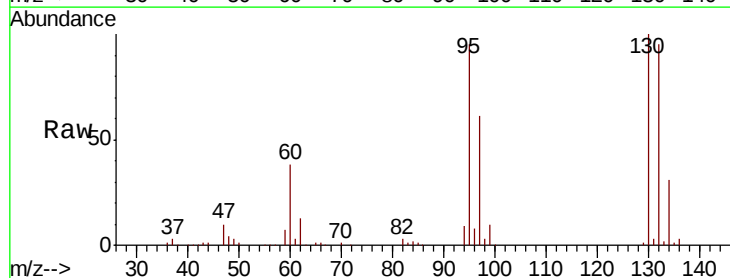
Acq: 17 May 2019 13:06

Tgt Ion:130 Resp: 181440

Ion Ratio Lower Upper

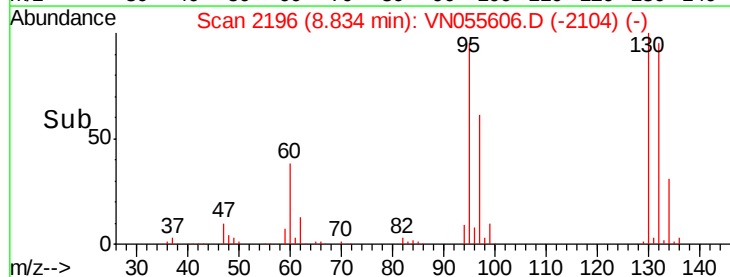
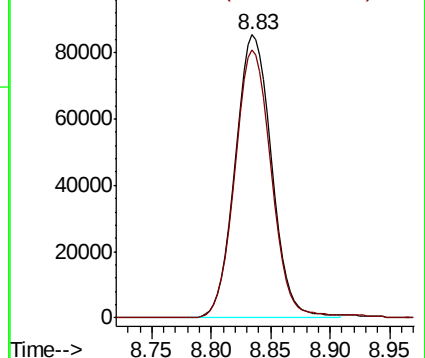
130 100

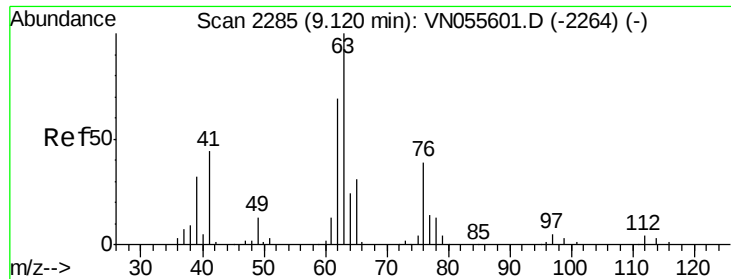
95 94.5 0.0 191.0



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

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

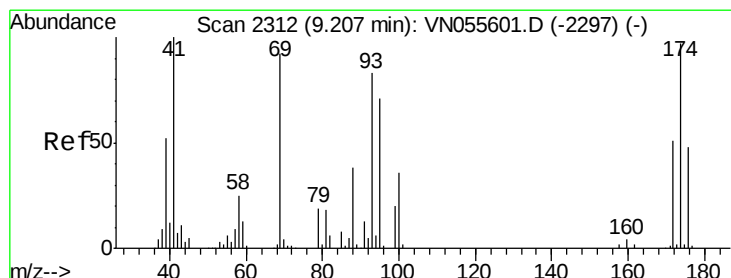
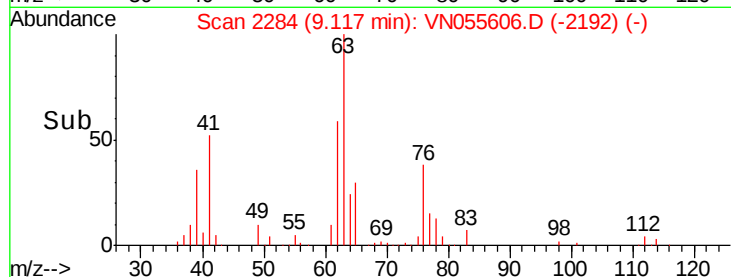
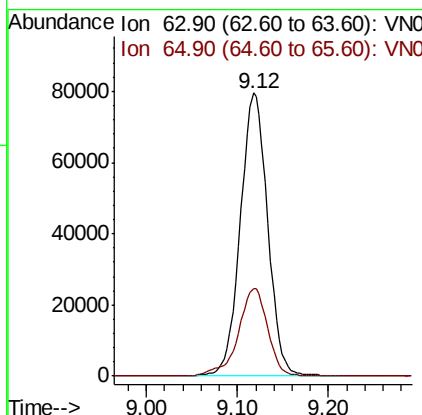
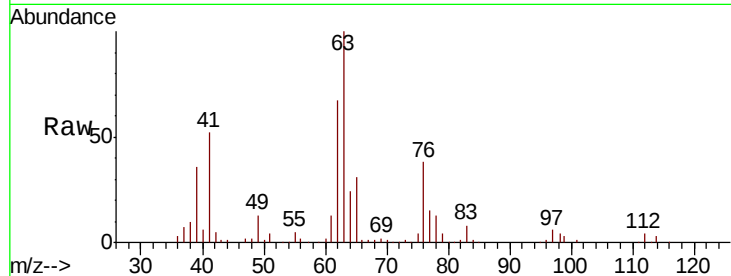




#45
 1,2-Dichloropropane
 Concen: 47.851 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

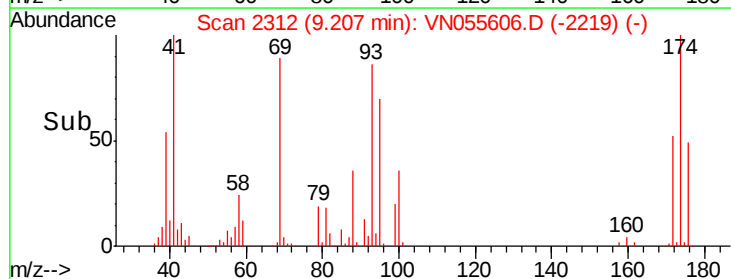
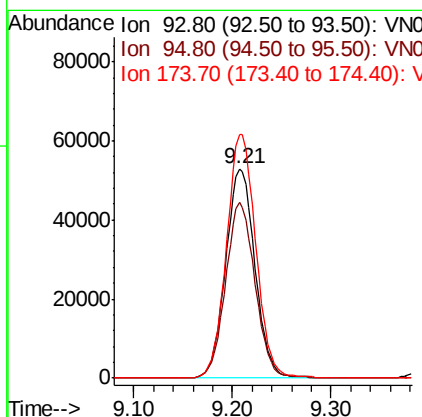
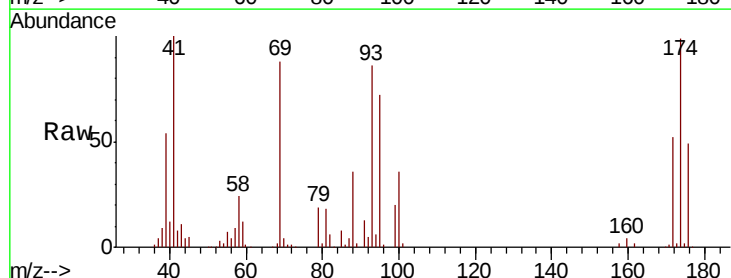
Instrument :
 MSVOA_N
 ClientSampled :

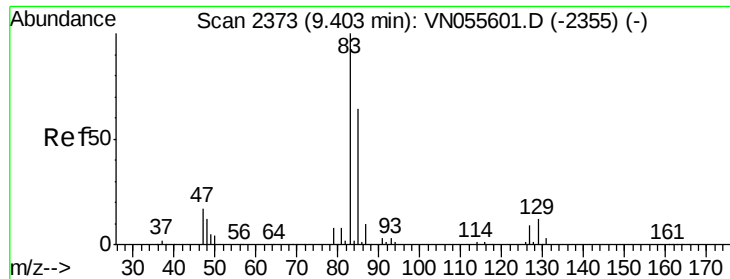
Tot Ion: 63 Resp: 166169
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.2 37.8



#46
 Dibromomethane
 Concen: 48.449 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion: 93 Resp: 110118
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.9 101.9
 174 116.3 93.8 140.6





#47

Bromodichloromethane

Concen: 47.130 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :

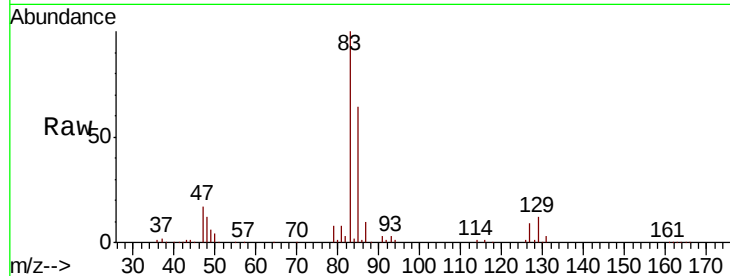
Tot Ion: 83 Resp: 224506

Ion Ratio Lower Upper

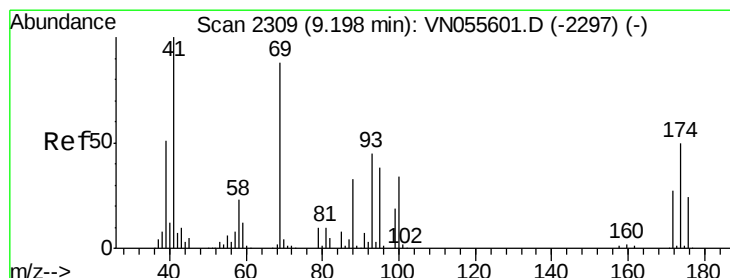
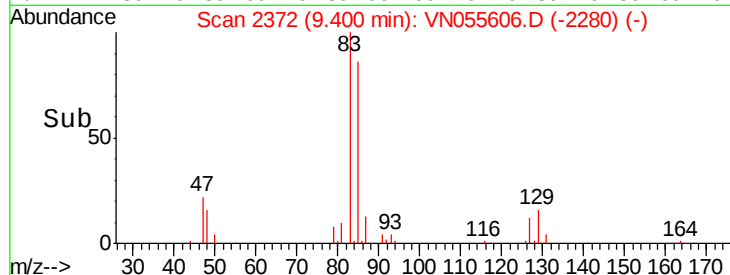
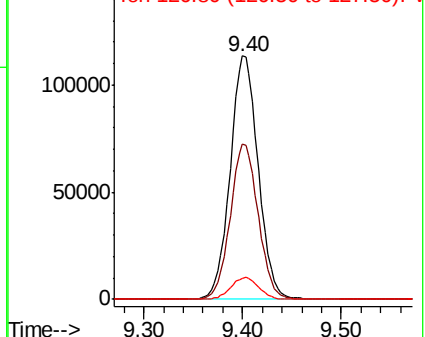
83 100

85 63.8 51.4 77.0

127 8.8 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): VN0



#48

Methyl methacrylate

Concen: 49.318 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

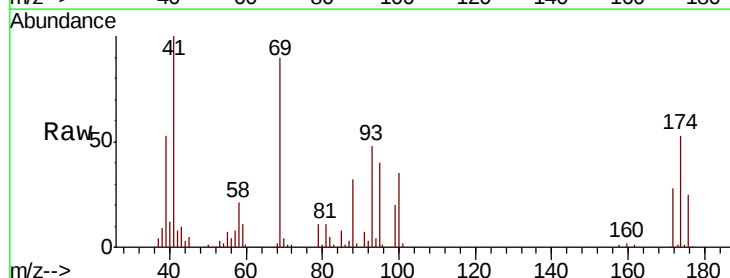
Tgt Ion: 41 Resp: 155073

Ion Ratio Lower Upper

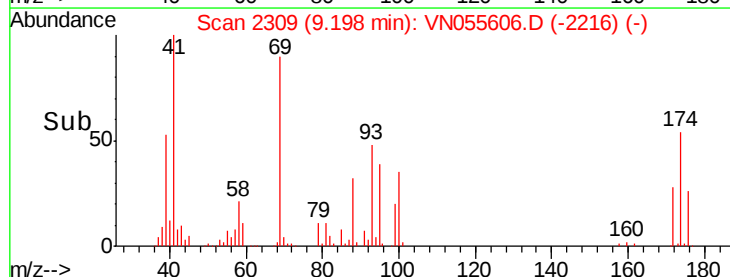
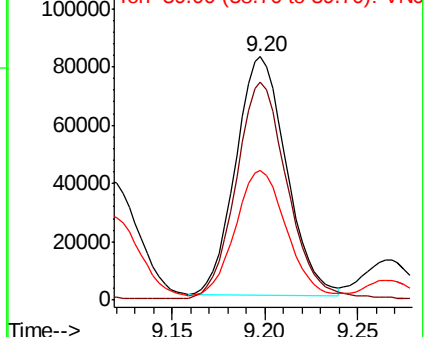
41 100

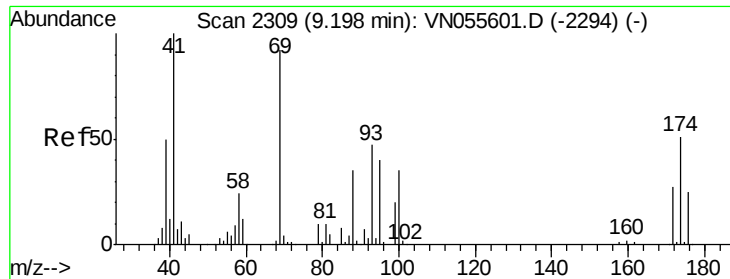
69 93.9 74.2 111.2

39 56.3 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

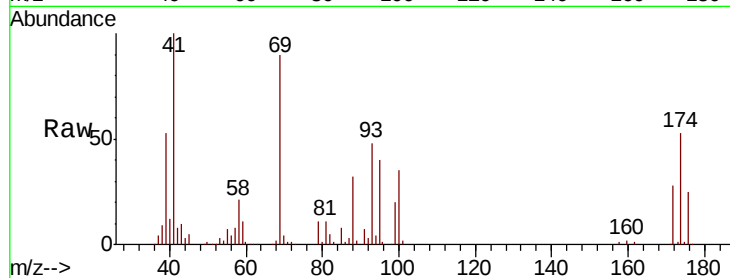




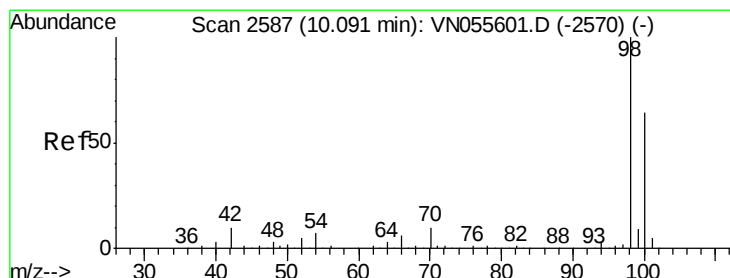
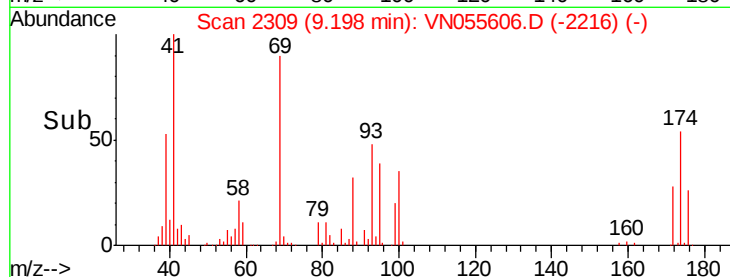
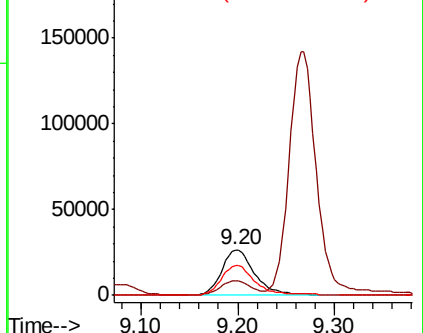
#49
1,4-Dioxane
Concen: 1011.832 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 63219
Ion Ratio Lower Upper
88 100
43 27.6 22.4 33.6
58 66.1 53.4 80.2

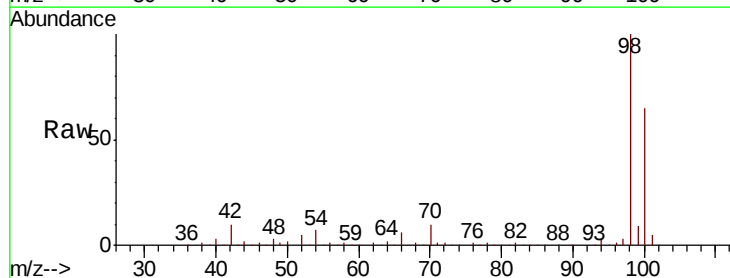


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

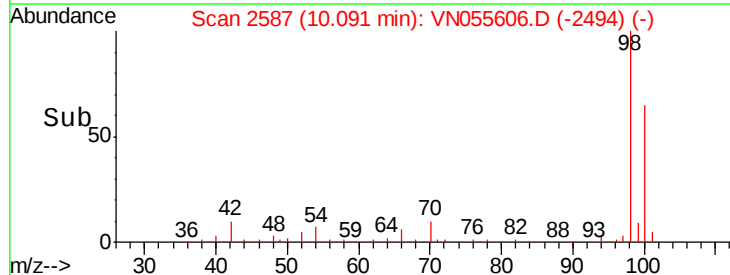
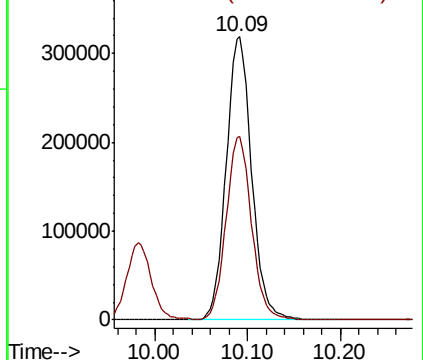


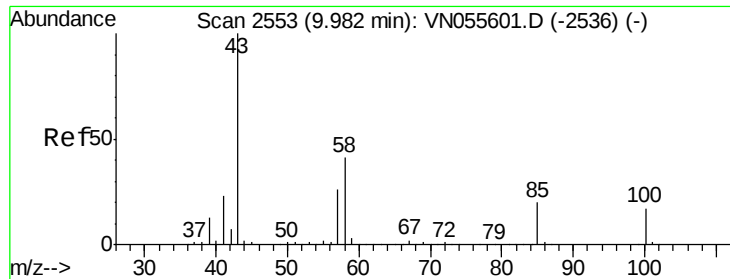
#50
Toluene-d8
Concen: 50.231 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion: 98 Resp: 606492
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: 239.237 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

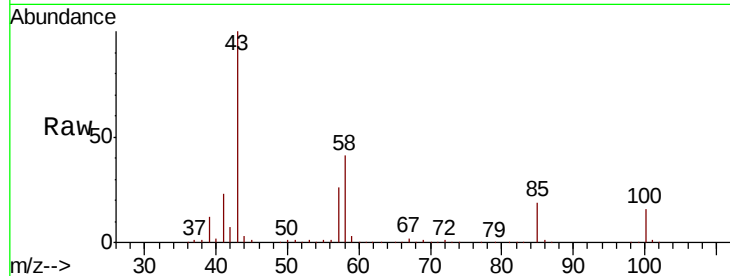
ClientSampleId :

Tot Ion: 43 Resp: 987205

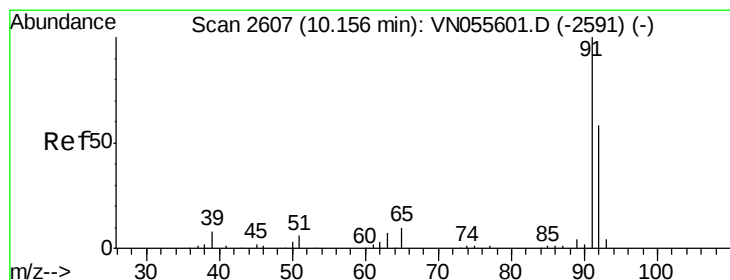
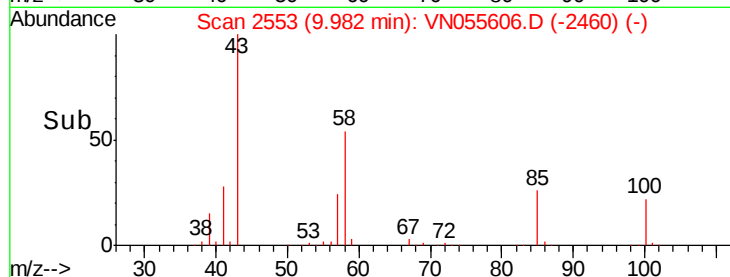
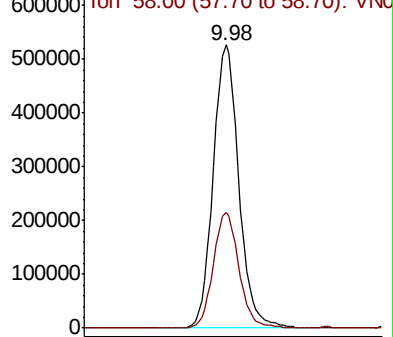
Ion Ratio Lower Upper

43 100

58 41.0 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN055606.D (-2460) (-)



#52

Toluene

Concen: 48.409 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055606.D

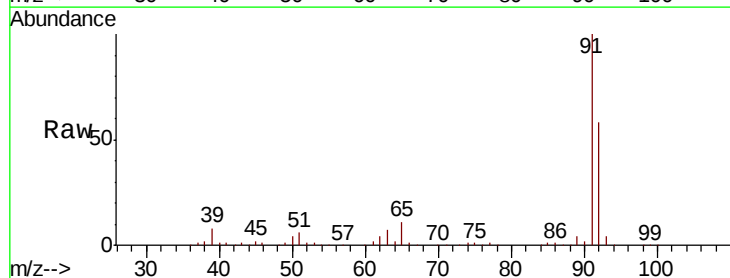
Acq: 17 May 2019 13:06

Tgt Ion: 92 Resp: 400240

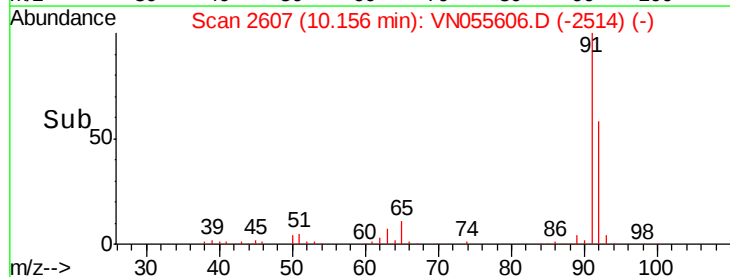
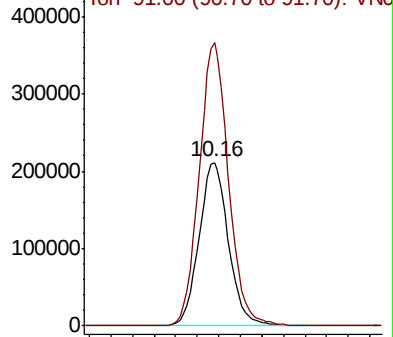
Ion Ratio Lower Upper

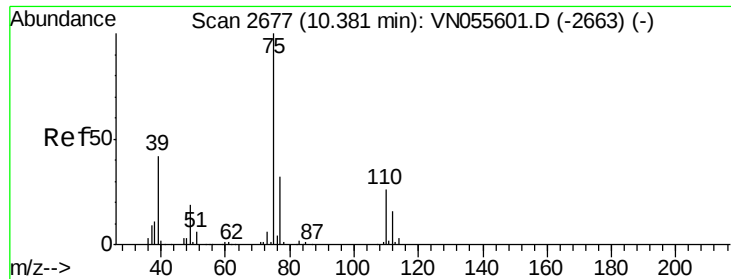
92 100

91 173.0 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN055606.D (-2514) (-)





#53

t-1,3-Dichloropropene

Concen: 49.859 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

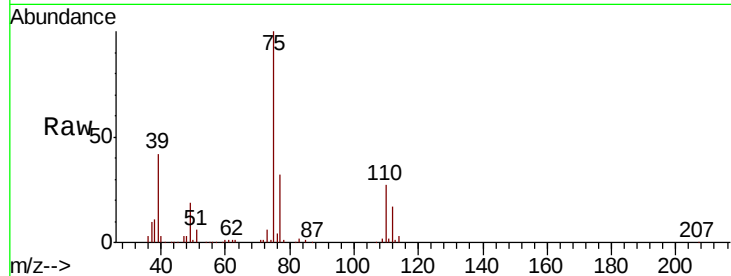
ClientSampled :

Tot Ion: 75 Resp: 255624

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

10.38

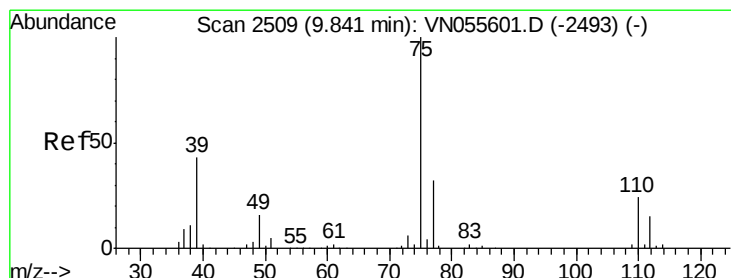
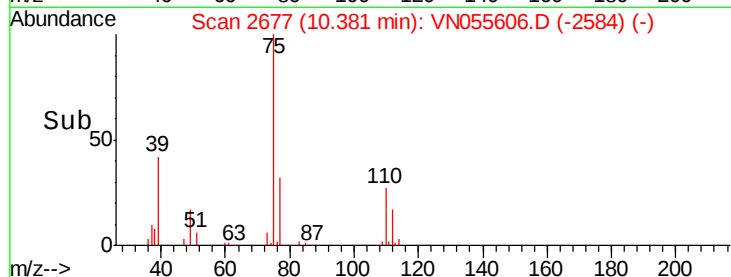
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.194 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

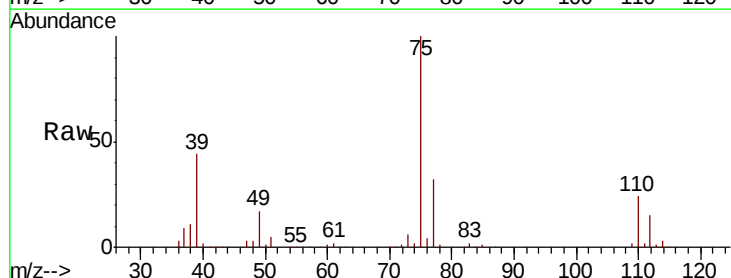
Tgt Ion: 75 Resp: 276303

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

39 43.9 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

200000

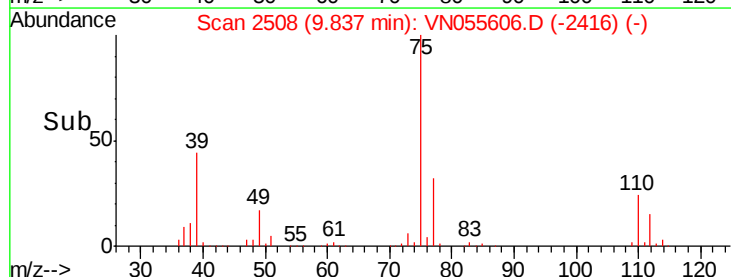
150000

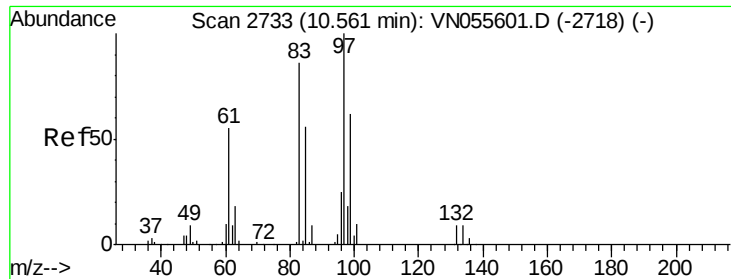
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 46.774 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 159208

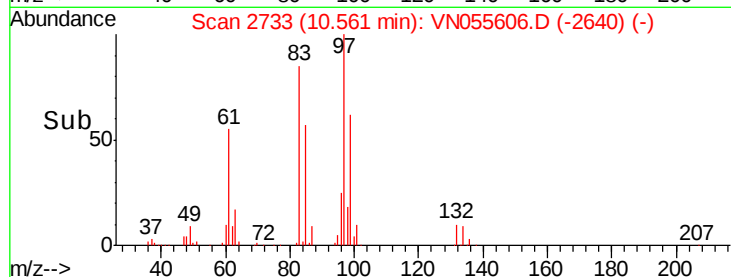
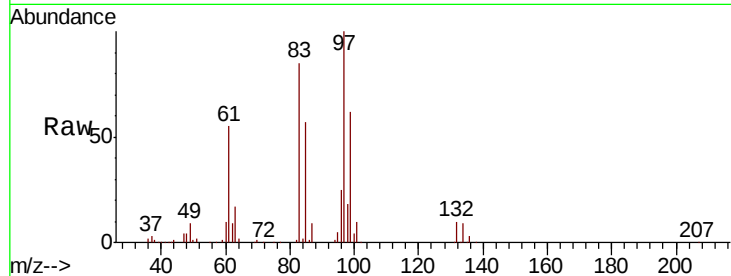
Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.4	102.6
85	56.7	44.8	67.2
99	62.1	49.9	74.9

97 100

83 85.2 68.4 102.6

85 56.7 44.8 67.2

99 62.1 49.9 74.9



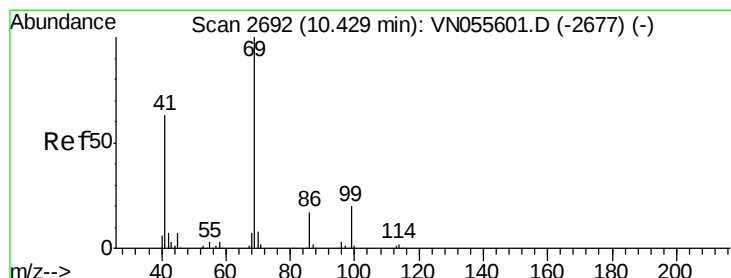
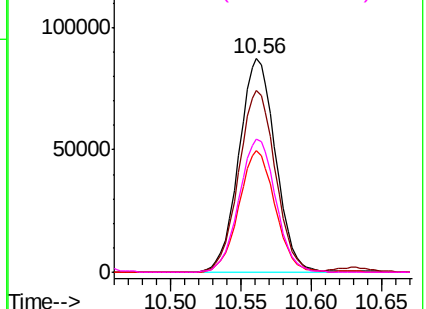
Abundance

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: 47.249 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

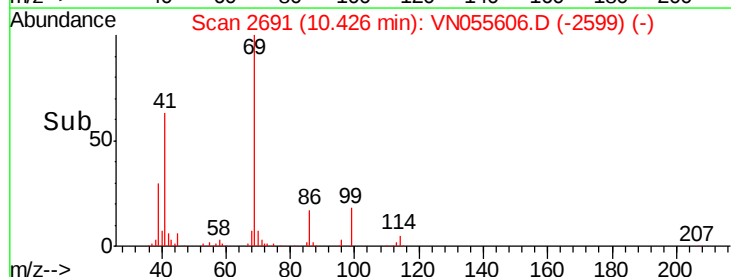
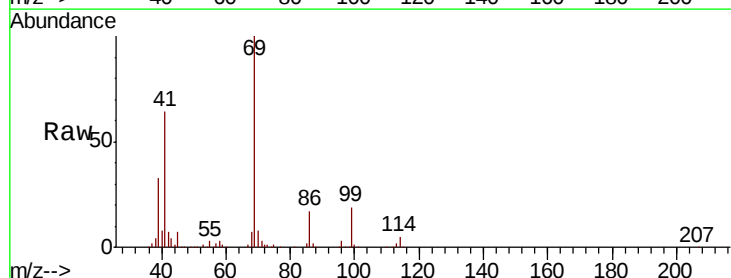
Tgt Ion: 69 Resp: 251052

Ion	Ratio	Lower	Upper
69	100		
41	62.7	50.3	75.5
39	31.4	25.4	38.2

69 100

41 62.7 50.3 75.5

39 31.4 25.4 38.2

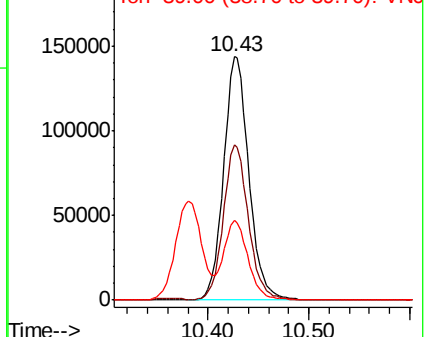


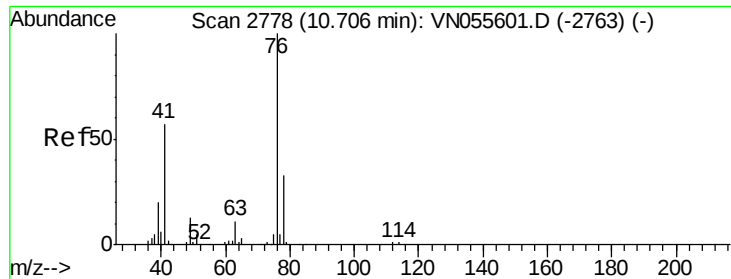
Abundance

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: 48.357 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

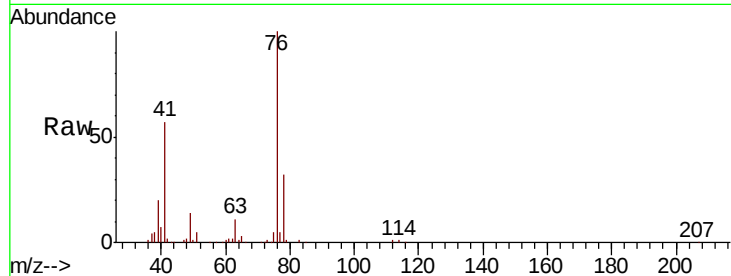
ClientSampleId :

Tot Ion: 76 Resp: 260689

Ion Ratio Lower Upper

76 100

78 32.2 26.5 39.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

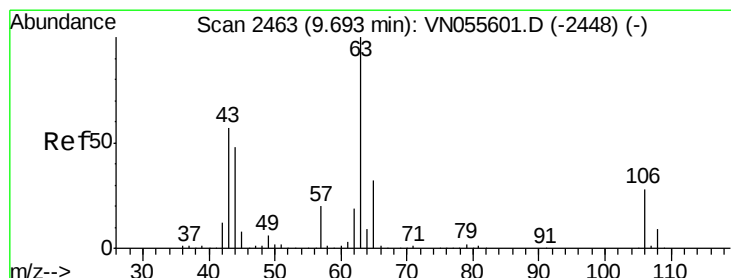
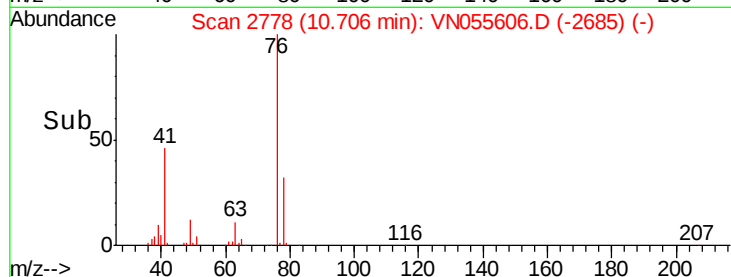
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 244.179 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055606.D

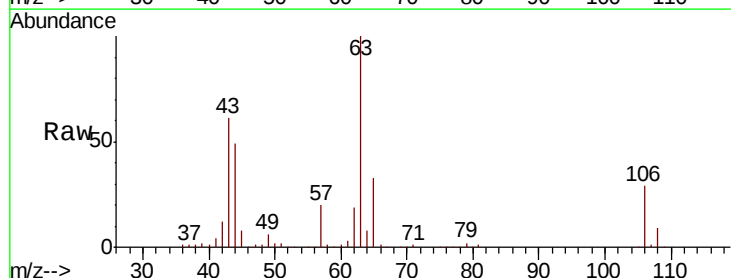
Acq: 17 May 2019 13:06

Tgt Ion: 63 Resp: 551273

Ion Ratio Lower Upper

63 100

106 28.6 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

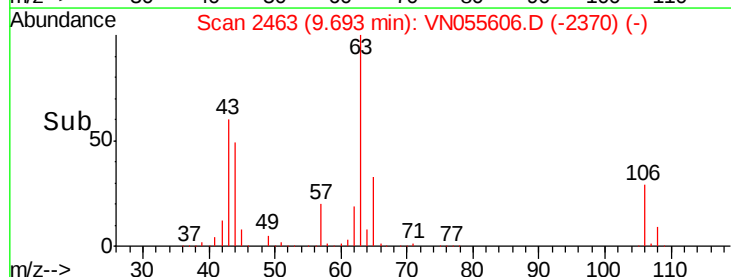
300000

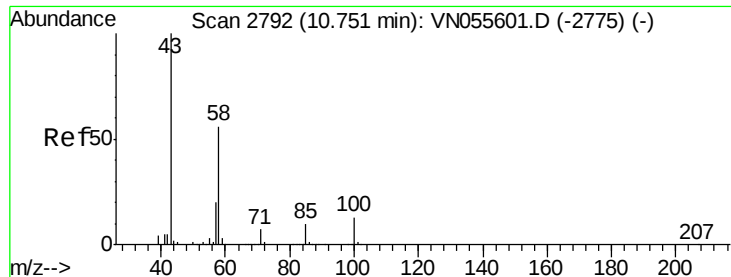
200000

100000

0

Time--> 9.60 9.70 9.80

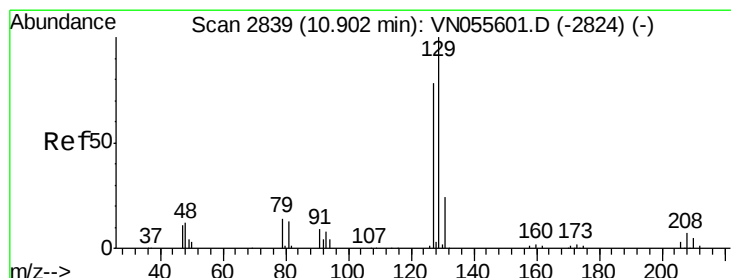
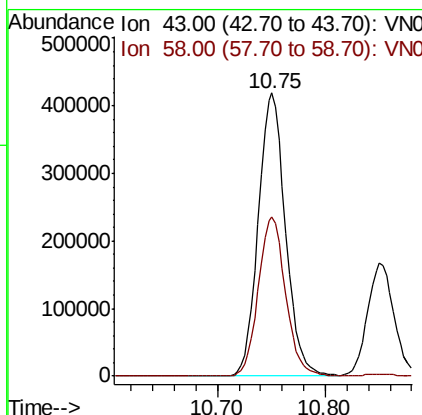
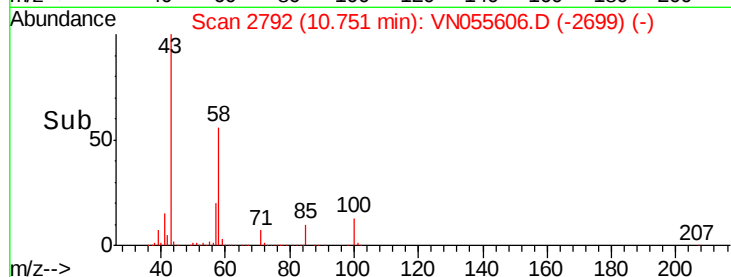
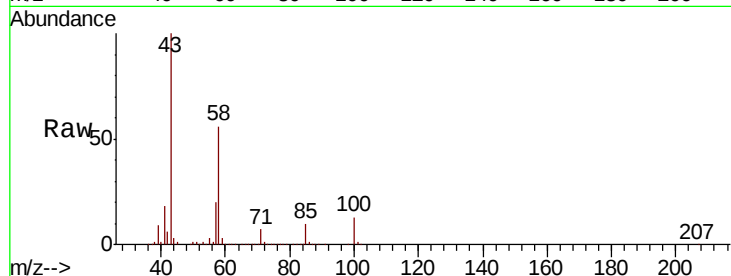




#59
2-Hexanone
Concen: 250.950 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

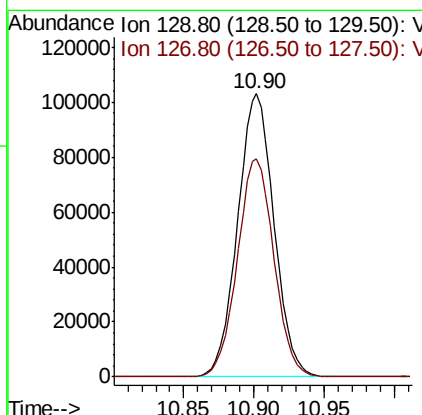
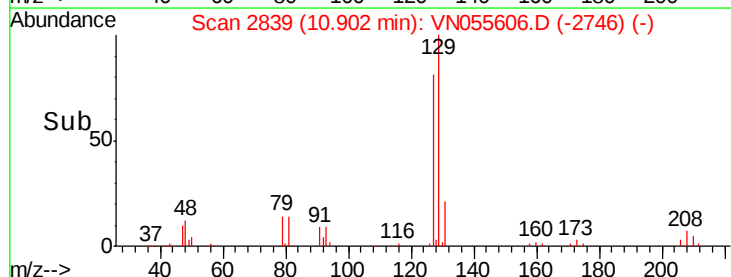
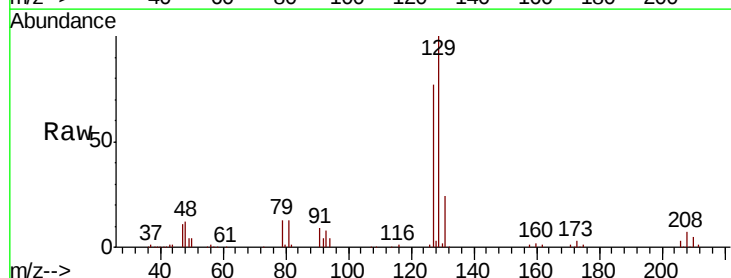
Instrument :
MSVOA_N
ClientSampleId :

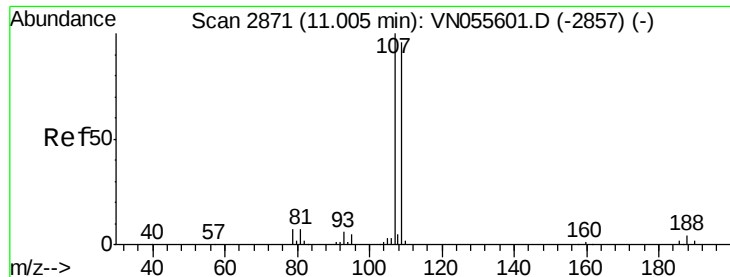
Tot Ion: 43 Resp: 729072
Ion Ratio Lower Upper
43 100
58 56.5 28.1 84.4



#60
Dibromochloromethane
Concen: 48.323 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion: 129 Resp: 186417
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8

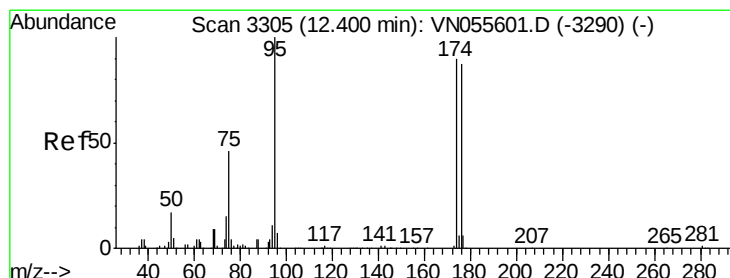
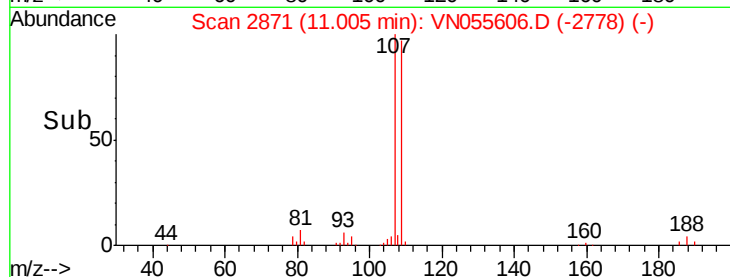
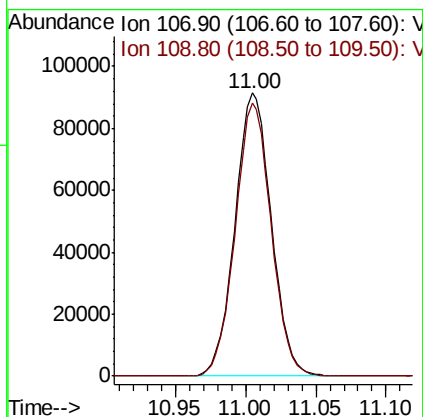
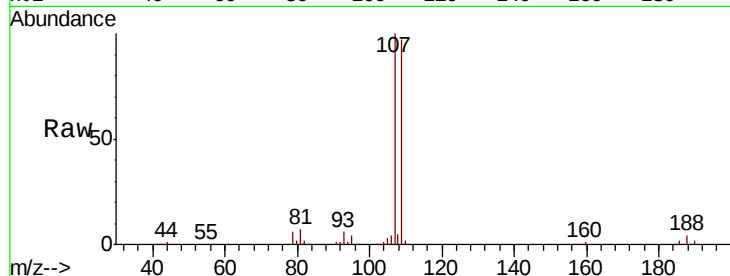




#61
1,2-Dibromoethane
Concen: 48.360 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

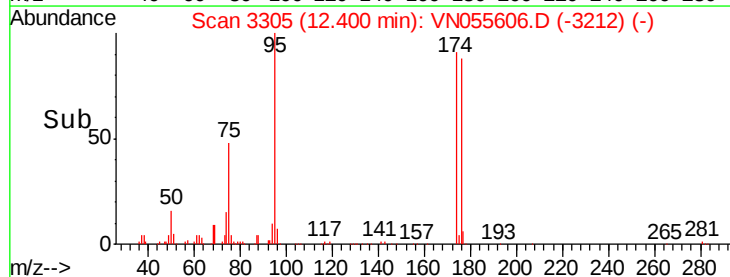
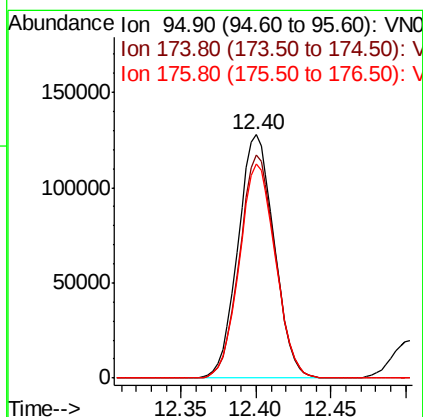
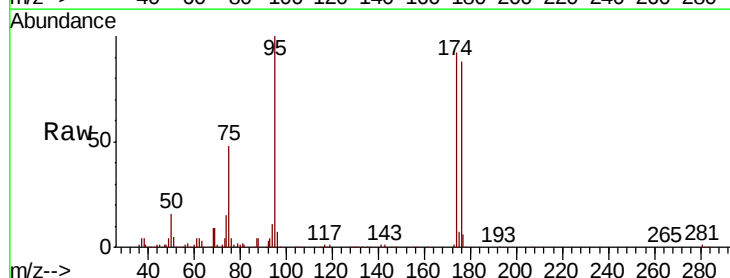
Instrument :
MSVOA_N
ClientSampled :

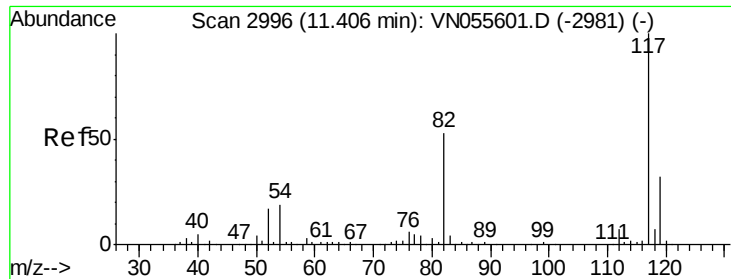
Tot Ion:107 Resp: 164698
Ion Ratio Lower Upper
107 100
109 95.5 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 51.532 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion: 95 Resp: 214852
Ion Ratio Lower Upper
95 100
174 90.7 0.0 180.6
176 87.8 0.0 177.4

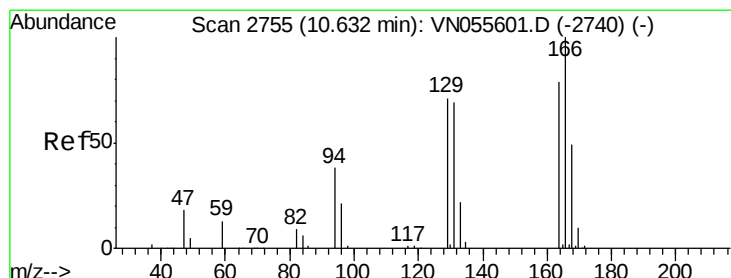
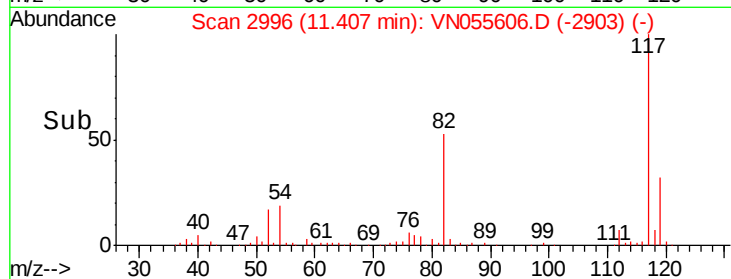
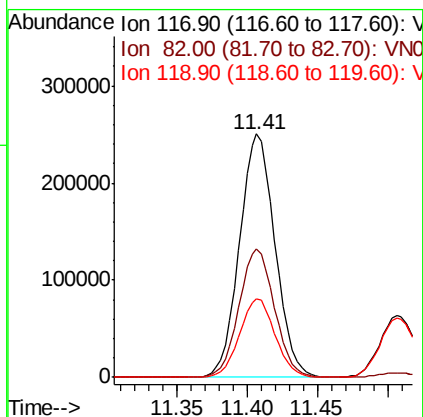
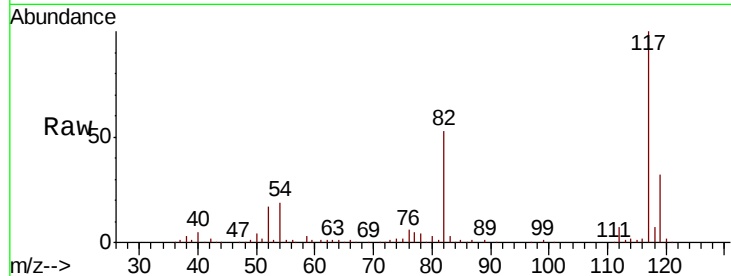




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

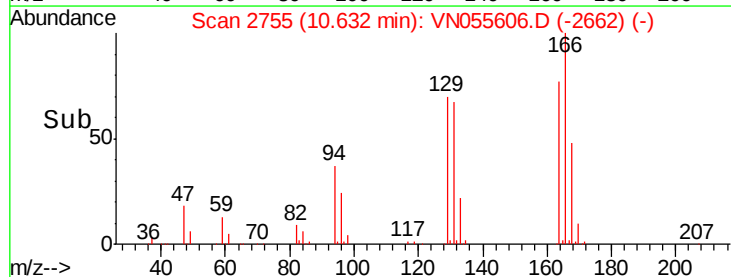
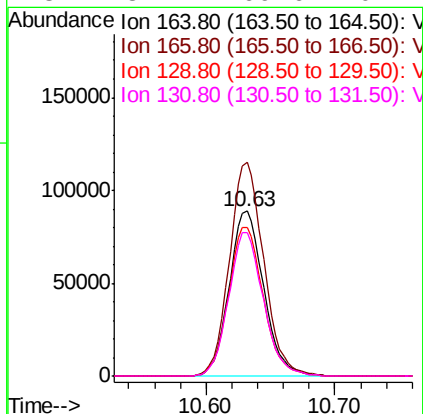
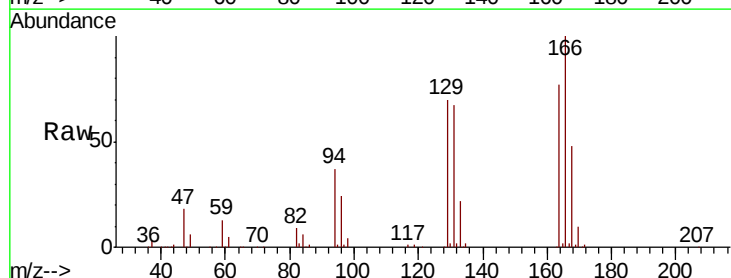
Instrument :
MSVOA_N
ClientSampleId :

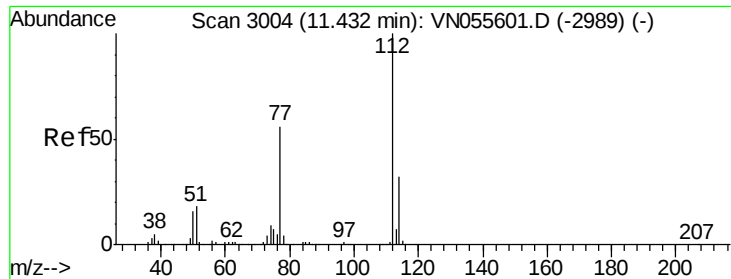
Tot Ion:117 Resp: 442986
Ion Ratio Lower Upper
117 100
82 52.5 42.3 63.5
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 47.310 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion:164 Resp: 165302
Ion Ratio Lower Upper
164 100
166 129.7 101.0 151.6
129 90.4 71.7 107.5
131 87.1 69.6 104.4

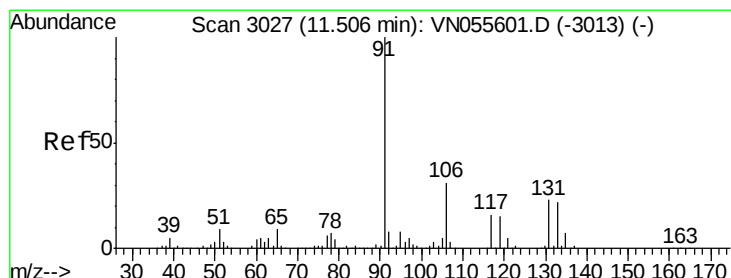
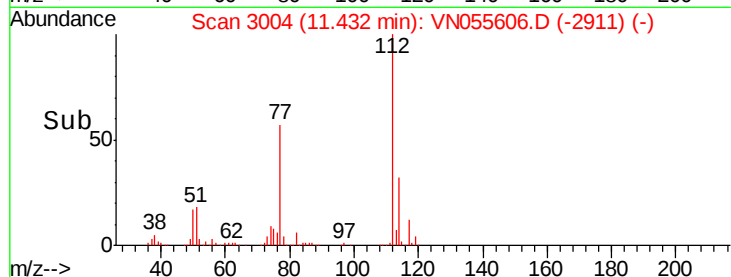
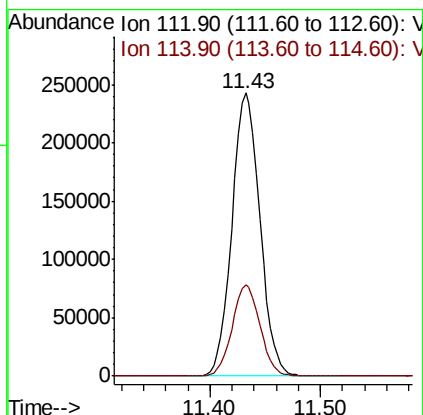
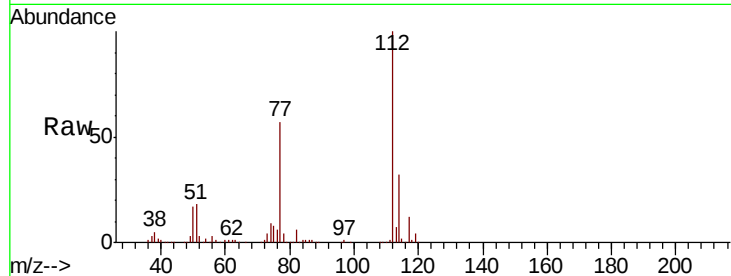




#65
Chlorobenzene
Concen: 47.635 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

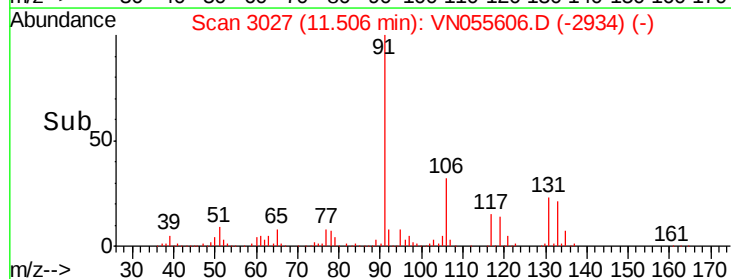
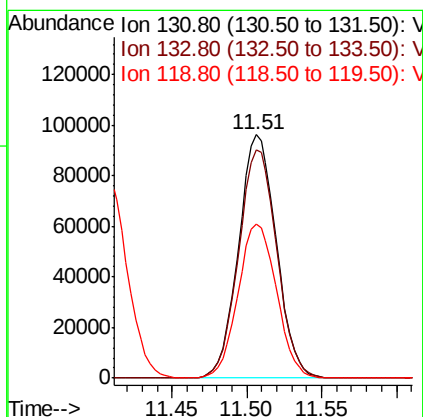
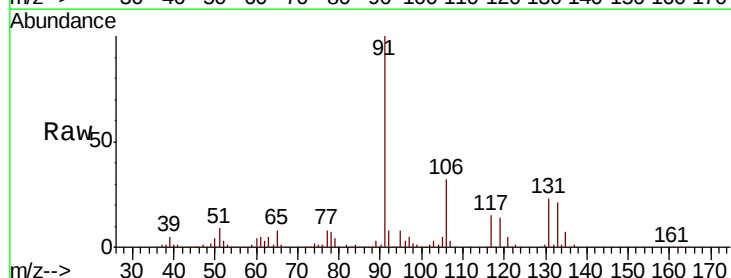
Instrument :
MSVOA_N
ClientSampled :

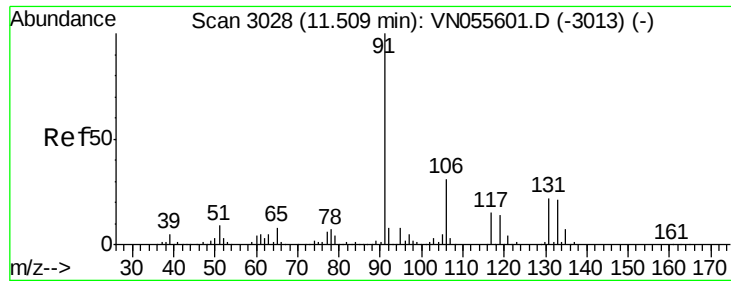
Tot Ion:112 Resp: 426805
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 46.758 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion:131 Resp: 168540
Ion Ratio Lower Upper
131 100
133 95.4 47.8 143.4
119 64.8 33.3 99.8





#67

Ethyl Benzene

Concen: 47.730 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

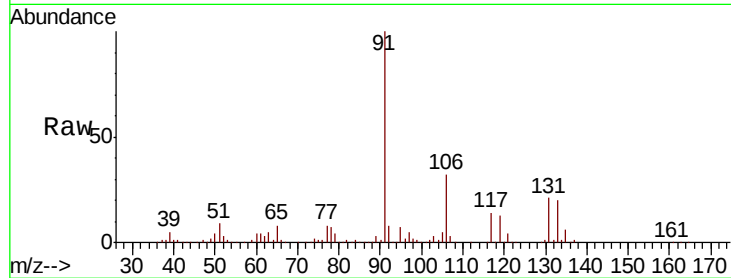
ClientSampleId :

Tot Ion: 91 Resp: 761832

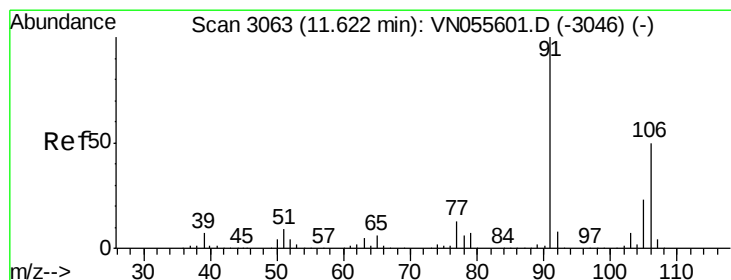
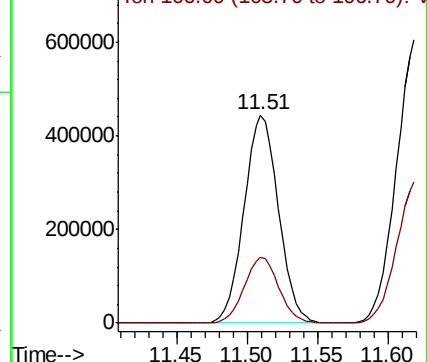
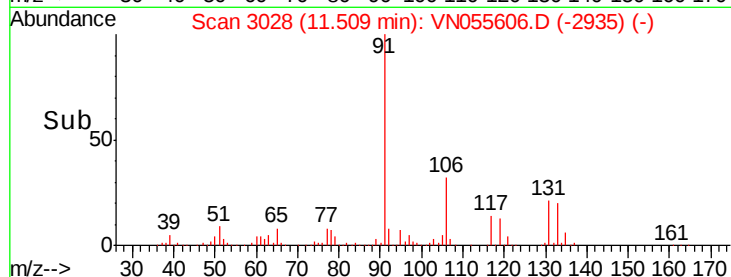
Ion Ratio Lower Upper

91 100

106 31.6 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VN055606.D (-2935) (-)



#68

m/p-Xylenes

Concen: 96.886 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055606.D

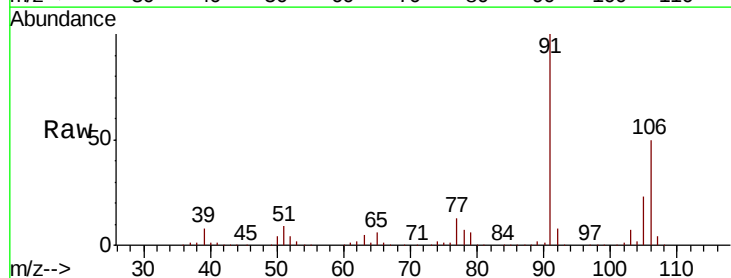
Acq: 17 May 2019 13:06

Tgt Ion:106 Resp: 583988

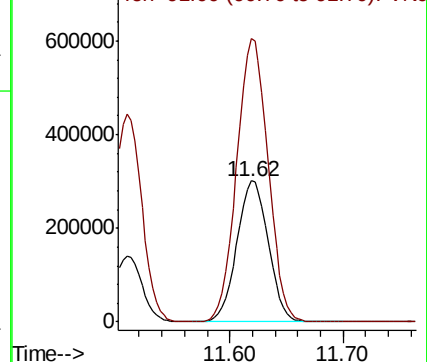
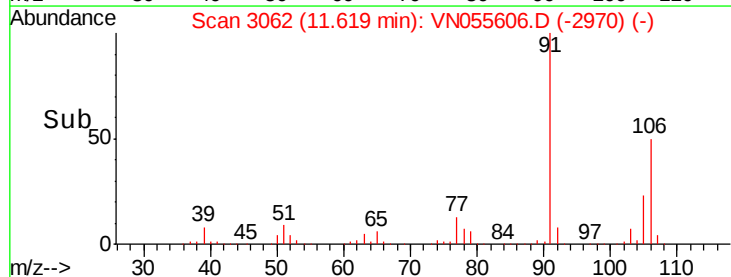
Ion Ratio Lower Upper

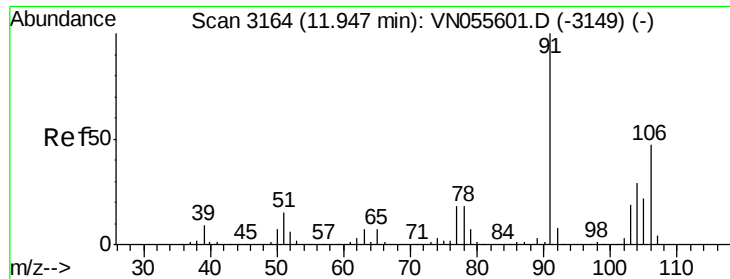
106 100

91 200.0 160.5 240.7



Abundance Ion 106.00 (105.70 to 106.70): VN055606.D (-2970) (-)

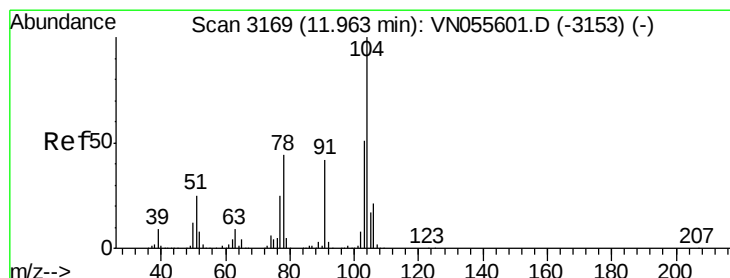
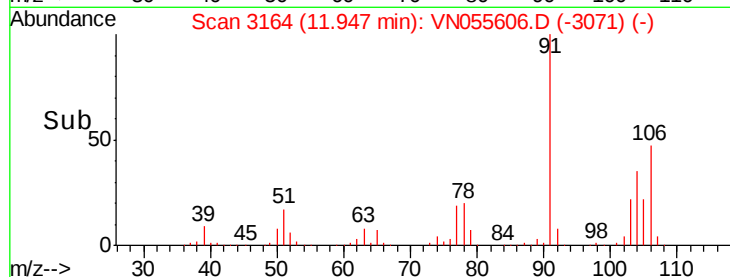
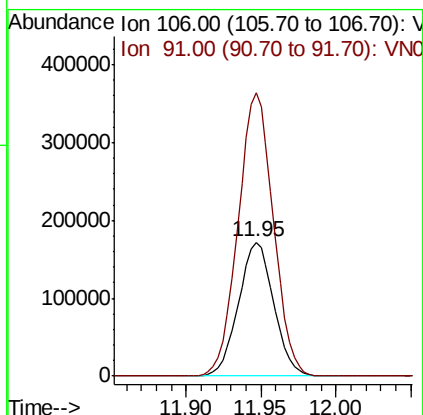
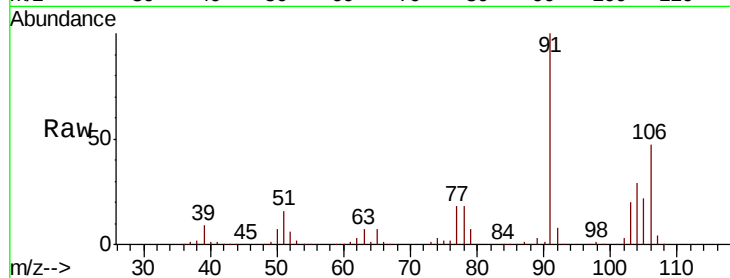




#69
o-Xylene
Concen: 47.824 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

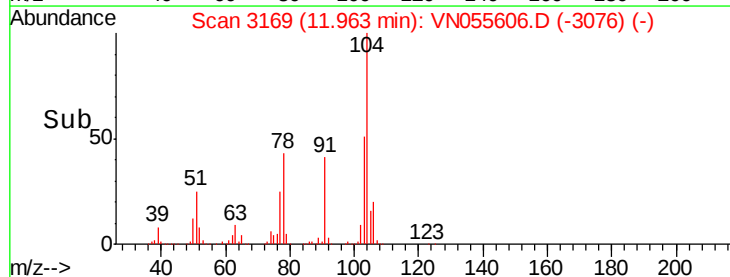
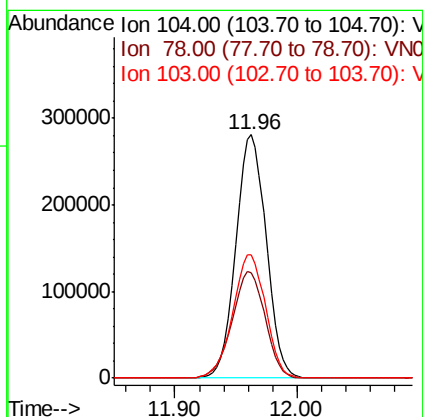
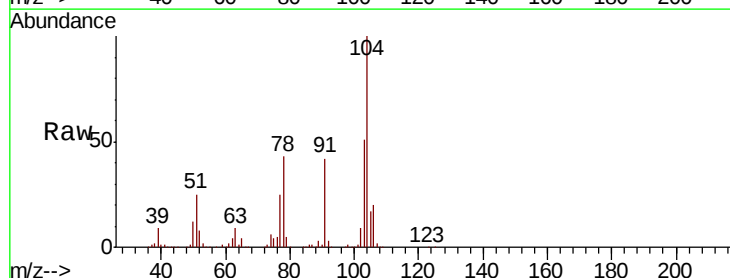
Instrument :
MSVOA_N
ClientSampled :

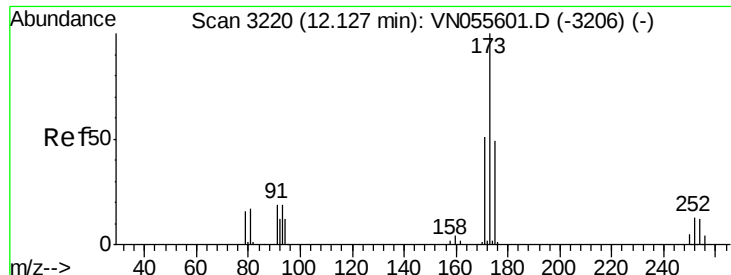
Tot Ion:106 Resp: 281945
Ion Ratio Lower Upper
106 100
91 211.1 106.7 320.2



#70
Styrene
Concen: 49.239 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion:104 Resp: 482663
Ion Ratio Lower Upper
104 100
78 47.7 38.6 58.0
103 54.7 44.4 66.6





#71

Bromoform

Concen: 48.539 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

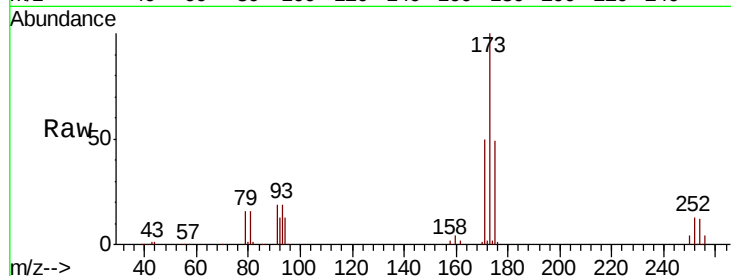
Tot Ion:173 Resp: 148268

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.9

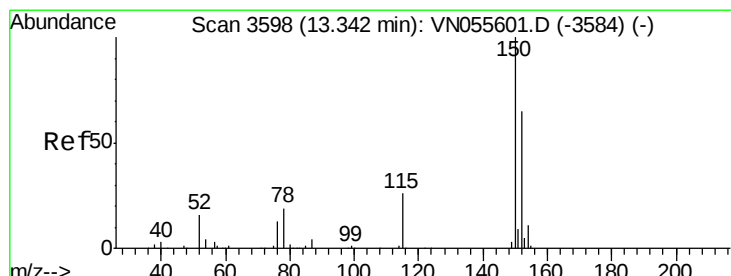
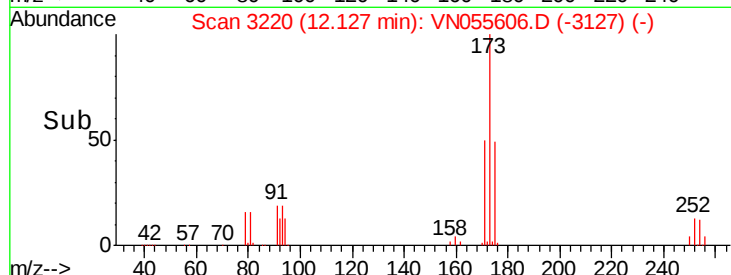
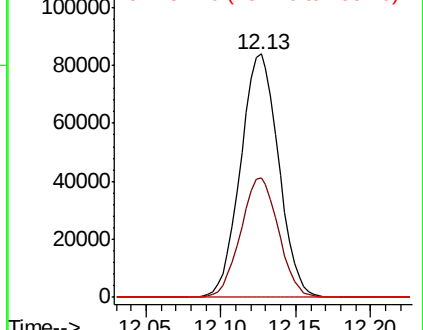
254 0.1 0.1 0.1#



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: VN055606.D

Acq: 17 May 2019 13:06

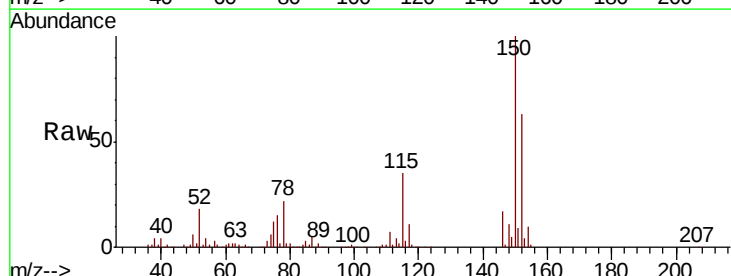
Tgt Ion:152 Resp: 210845

Ion Ratio Lower Upper

152 100

115 55.3 28.1 84.2

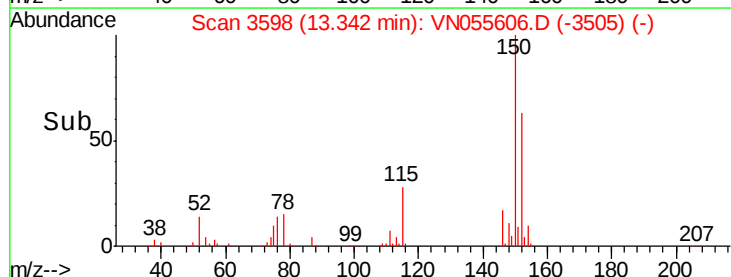
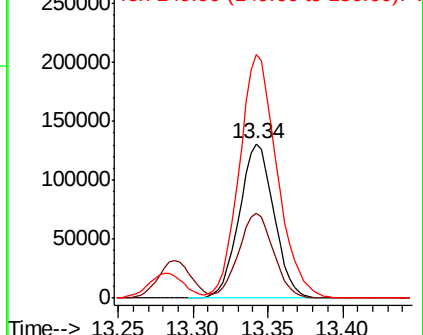
150 171.9 0.0 348.0

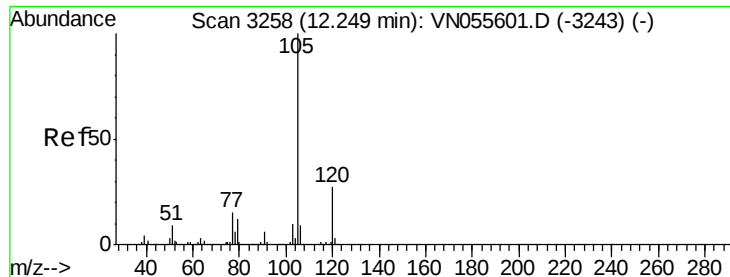


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.437 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

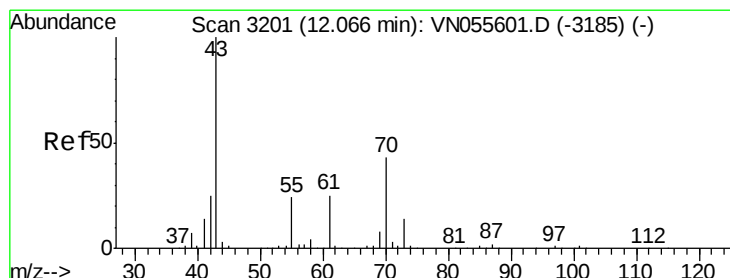
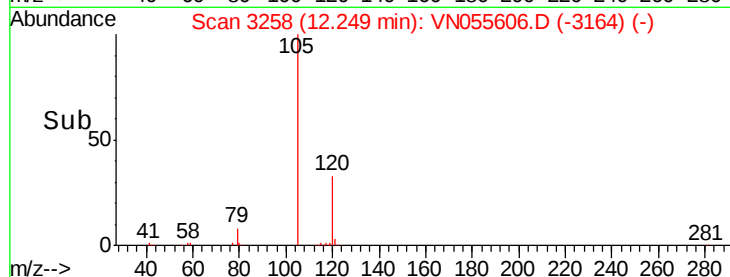
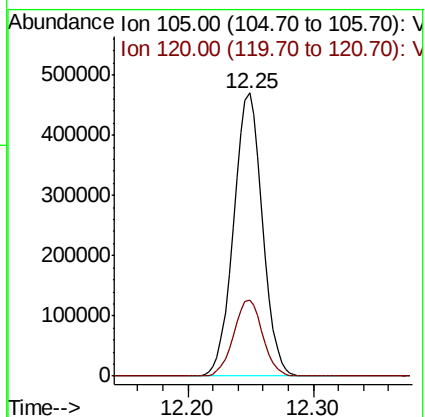
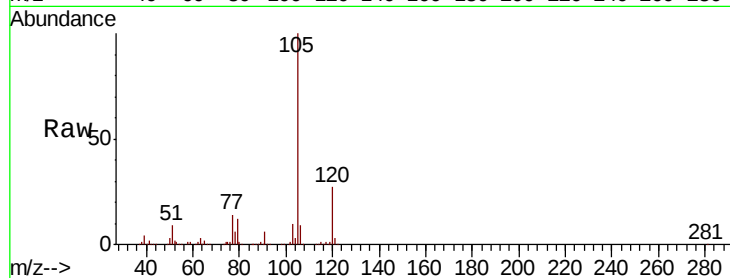
ClientSampleId :

Tot Ion:105 Resp: 745955

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



#74

N-ethyl acetate

Concen: 47.930 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Tgt Ion: 43 Resp: 283769

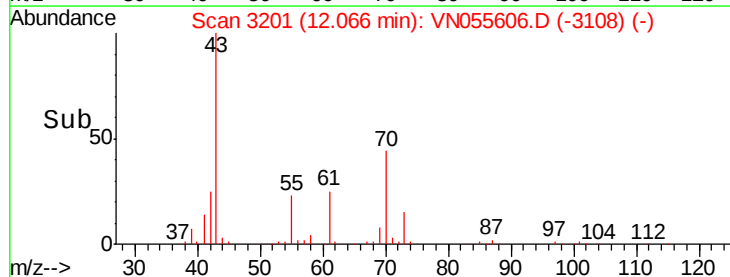
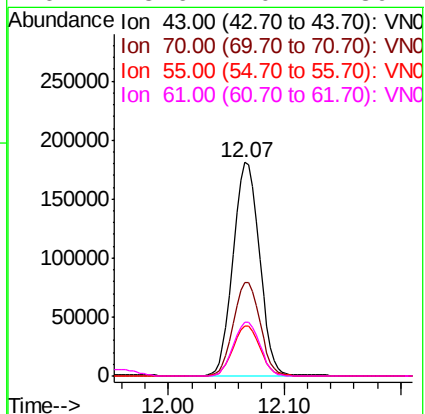
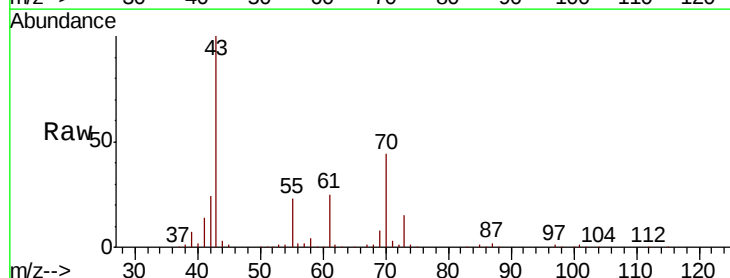
Ion Ratio Lower Upper

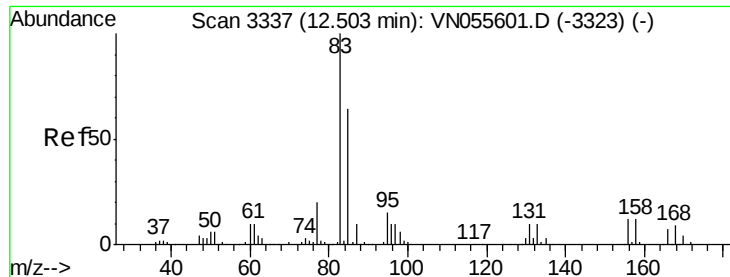
43 100

70 44.3 35.0 52.6

55 23.6 18.9 28.3

61 25.6 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.515 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

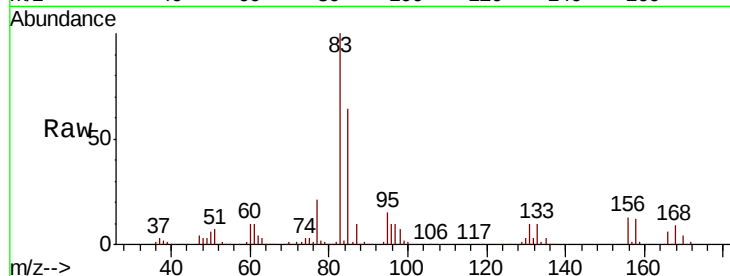
Tot Ion: 83 Resp: 224957

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	16.1
85	64.9	32.0	96.2

83 100

131 10.7 5.3 16.1

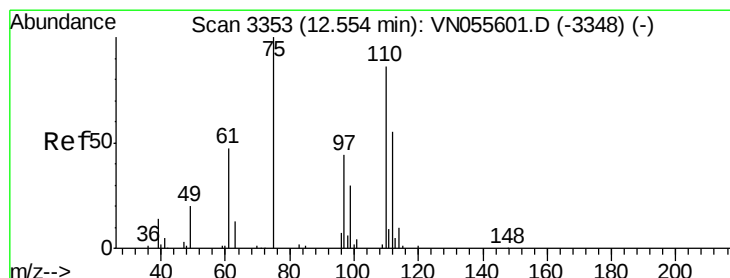
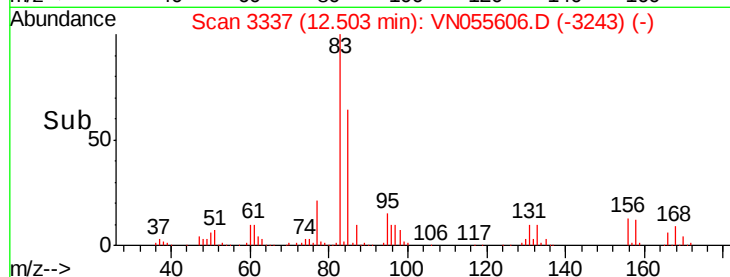
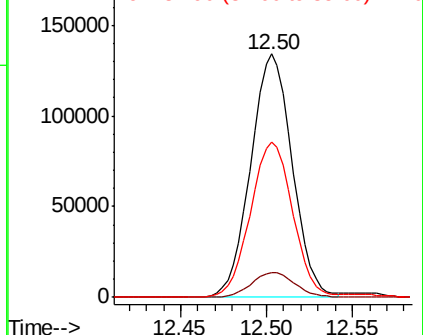
85 64.9 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 65.584 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN055606.D

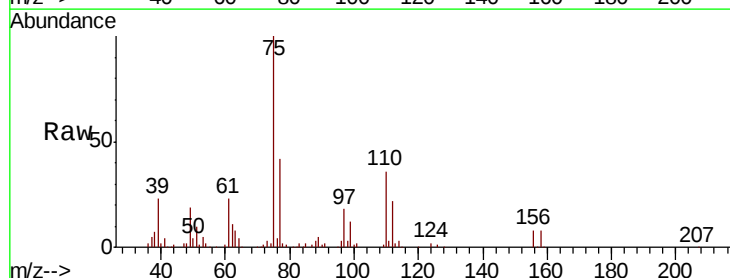
Acq: 17 May 2019 13:06

Tgt Ion: 75 Resp: 282165

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

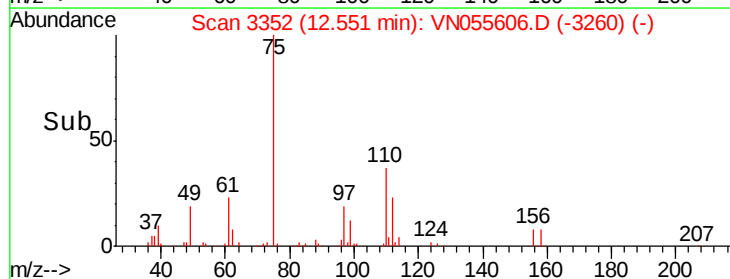
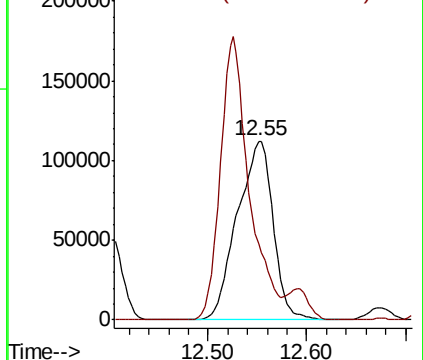
75 100

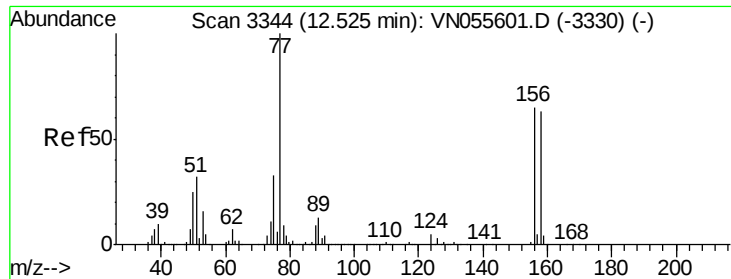
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 44.926 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

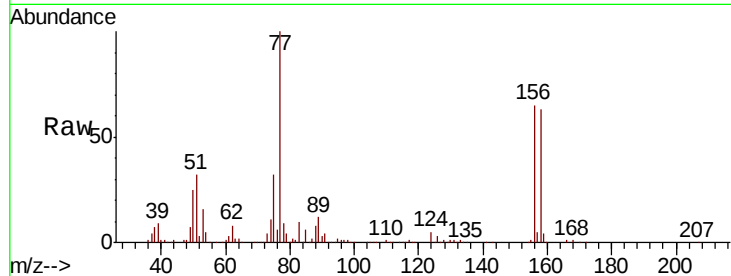
Tot Ion:156 Resp: 194535

Ion Ratio Lower Upper

156 100

77 186.4 94.5 283.5

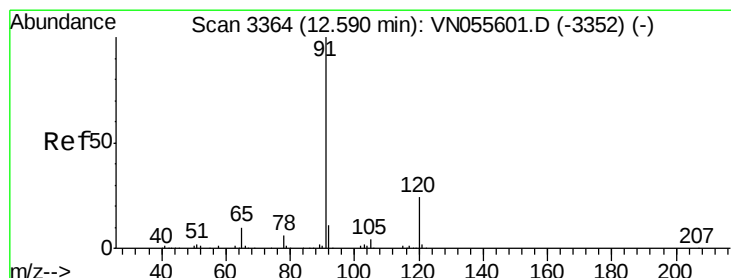
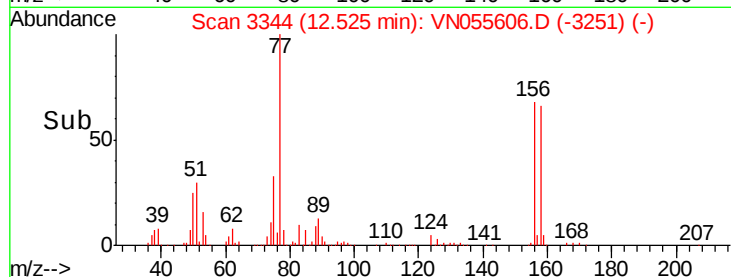
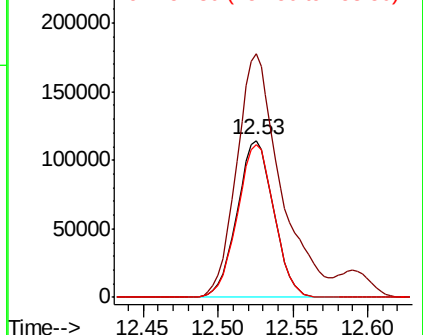
158 98.1 49.0 147.2



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: 45.511 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055606.D

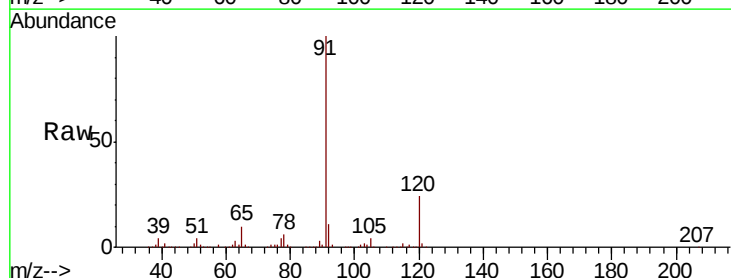
Acq: 17 May 2019 13:06

Tgt Ion: 91 Resp: 852131

Ion Ratio Lower Upper

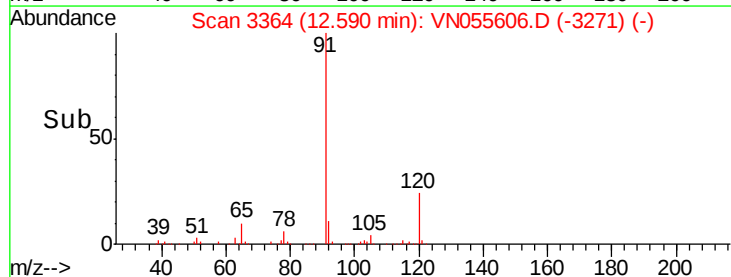
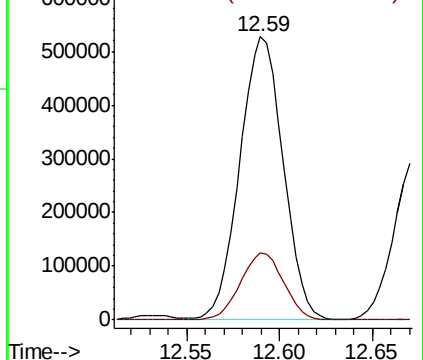
91 100

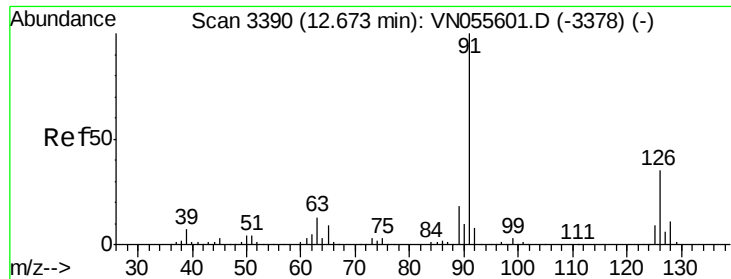
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

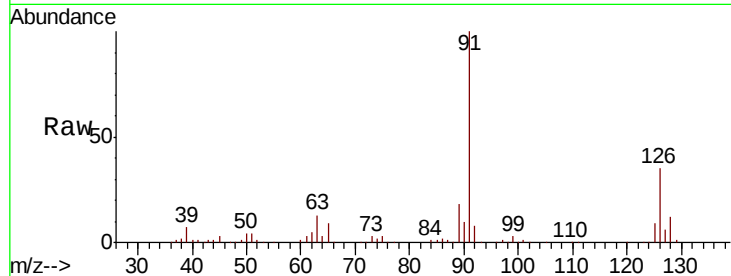




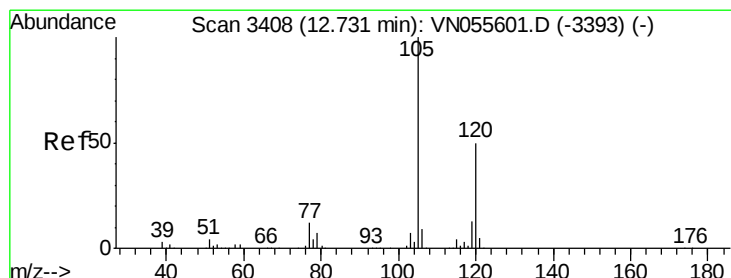
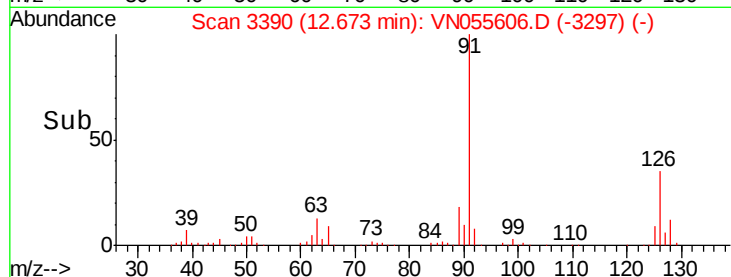
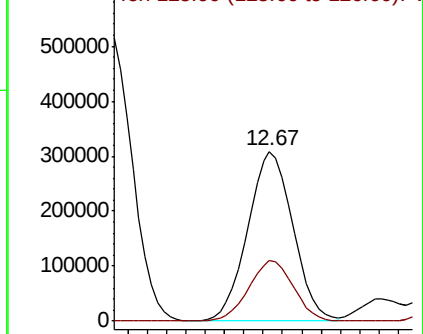
#79
 2-Chlorotoluene
 Concen: 50.048 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 501496
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.8 53.4

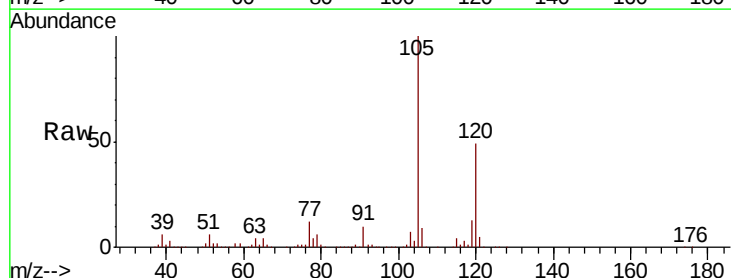


Abundance Ion 91.00 (90.70 to 91.70): VN055606.D (-3297) (-)
 Ion 125.90 (125.60 to 126.60): VN055606.D (-3297) (-)

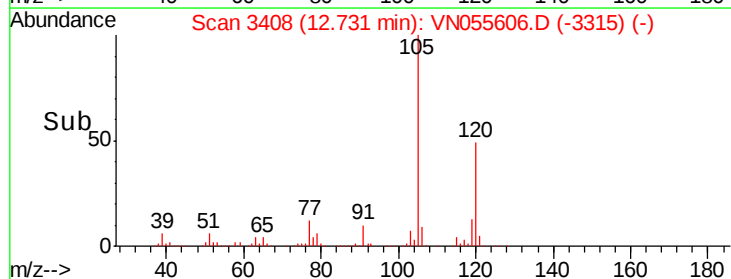
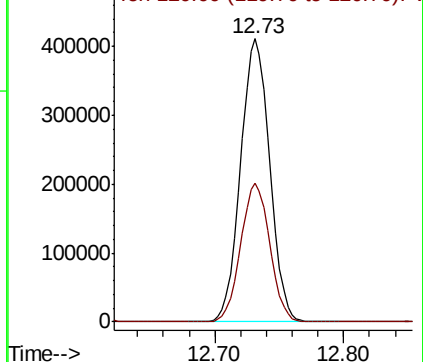


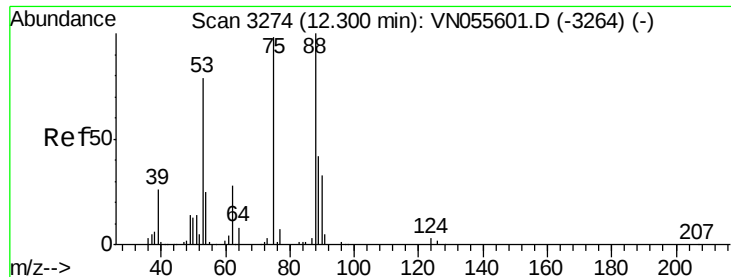
#80
 1,3,5-Trimethylbenzene
 Concen: 50.959 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion: 105 Resp: 643617
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN055606.D (-3315) (-)
 Ion 120.00 (119.70 to 120.70): VN055606.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.922 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

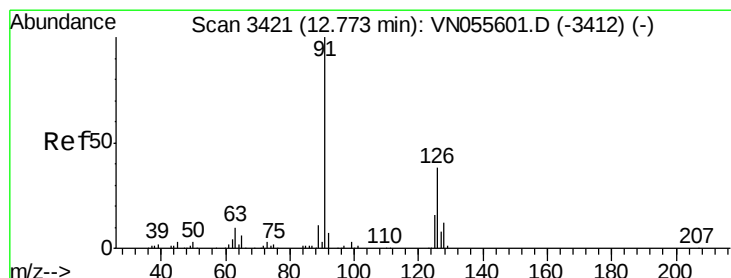
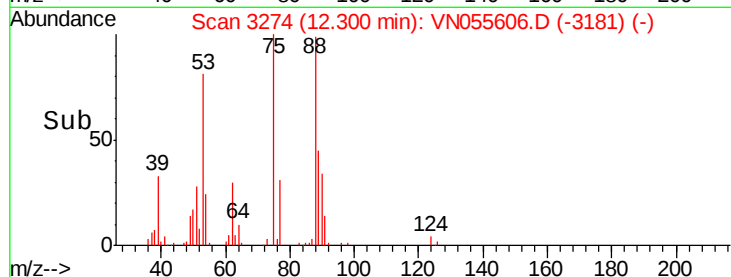
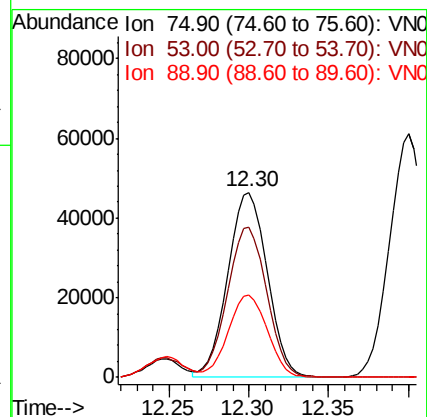
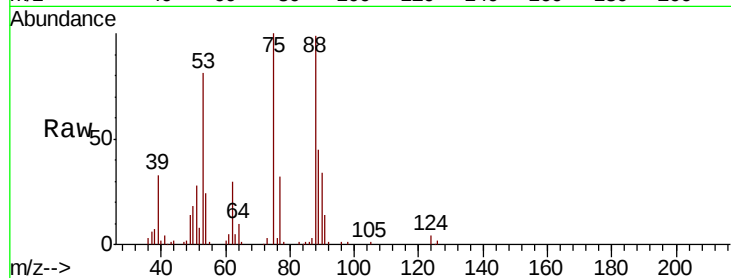
Tot Ion: 75 Resp: 78533

Ion Ratio Lower Upper

75 100

53 81.0 65.1 97.7

89 44.0 36.4 54.6



#82

4-Chlorotoluene

Concen: 45.957 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055606.D

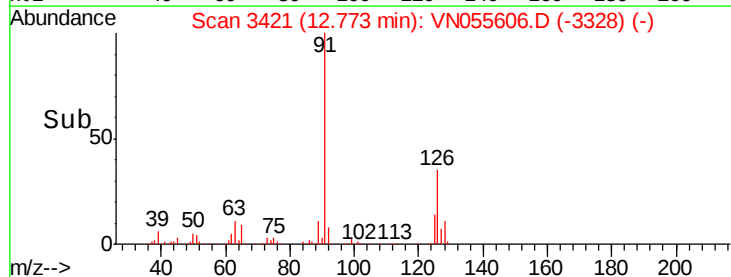
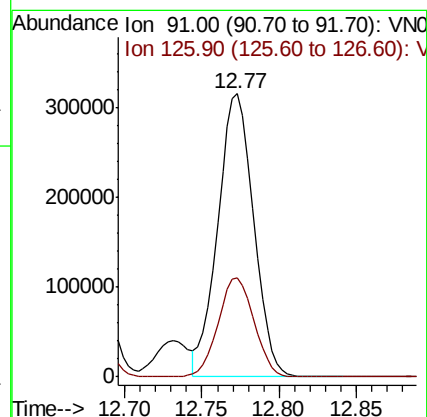
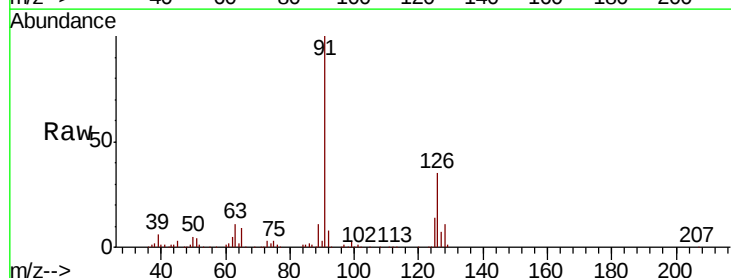
Acq: 17 May 2019 13:06

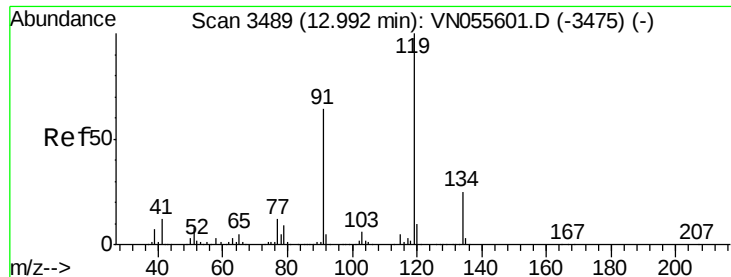
Tgt Ion: 91 Resp: 507000

Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.6

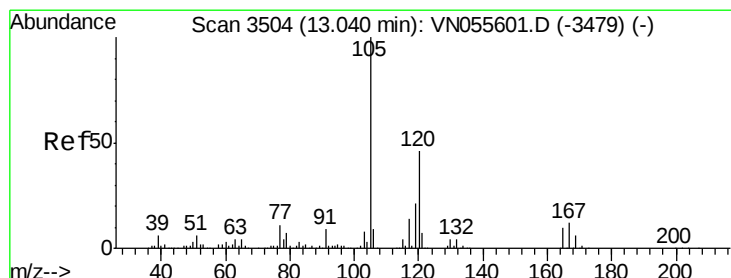
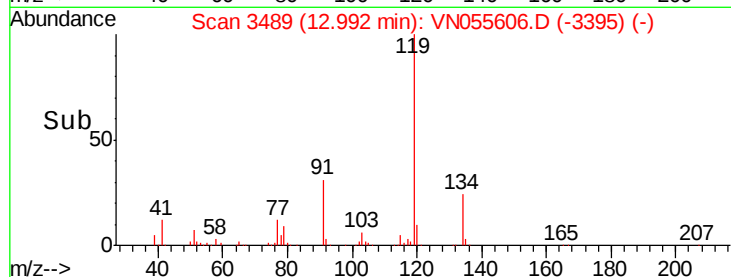
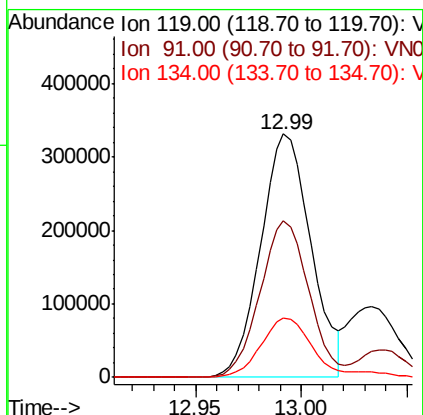
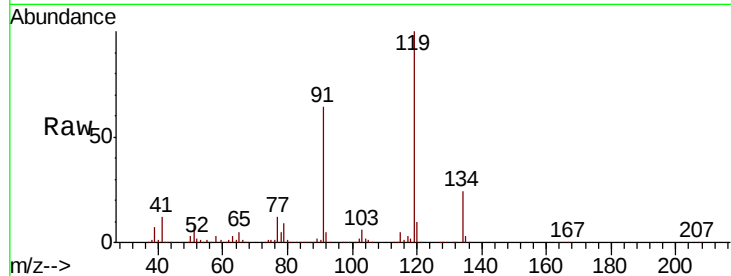




#83
tert-Butylbenzene
Concen: 51.304 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

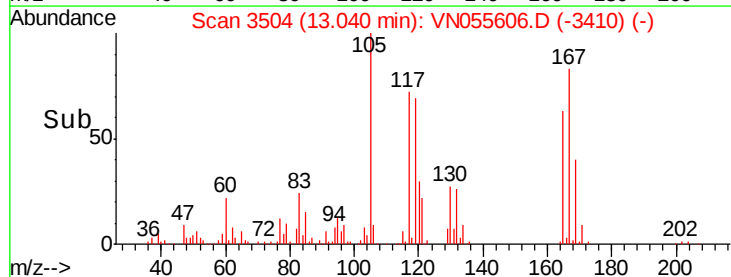
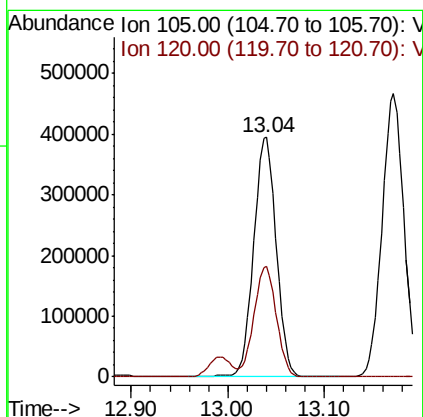
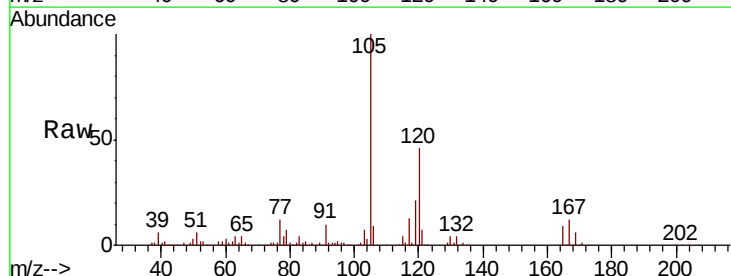
Instrument :
MSVOA_N
ClientSampled :

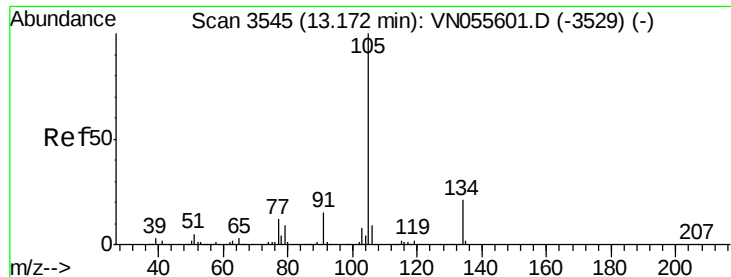
Tot Ion:119 Resp: 549749
Ion Ratio Lower Upper
119 100
91 62.2 31.3 93.8
134 26.0 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 50.673 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055606.D
Acq: 17 May 2019 13:06

Tgt Ion:105 Resp: 639223
Ion Ratio Lower Upper
105 100
120 45.7 23.1 69.2

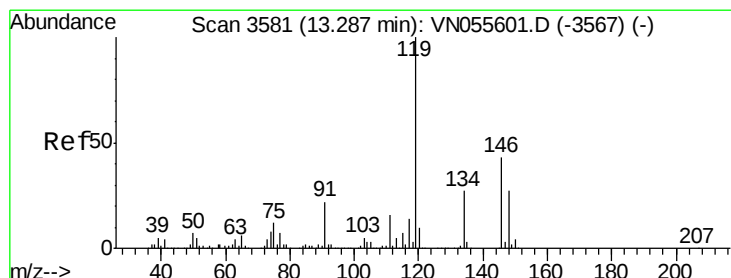
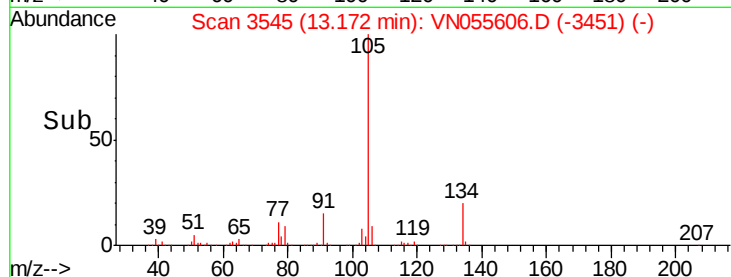
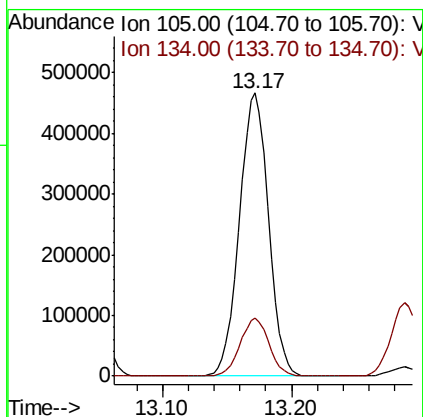
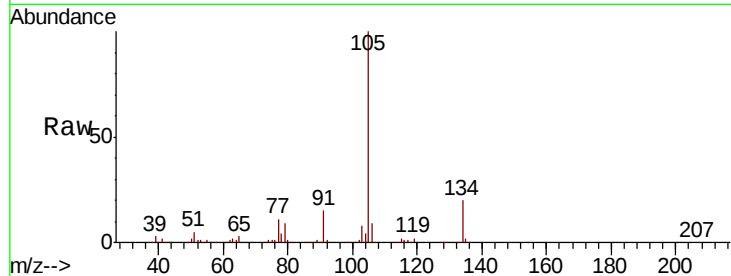




#85
 sec-Butylbenzene
 Concen: 51.882 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

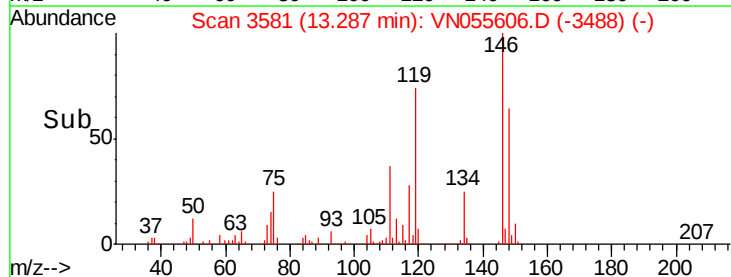
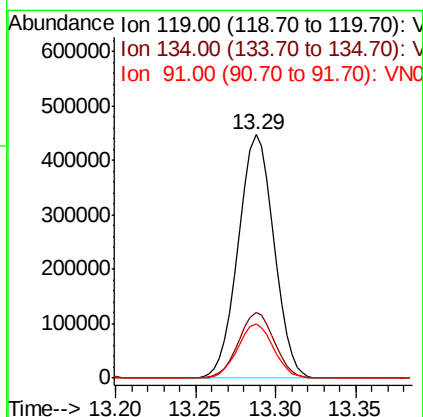
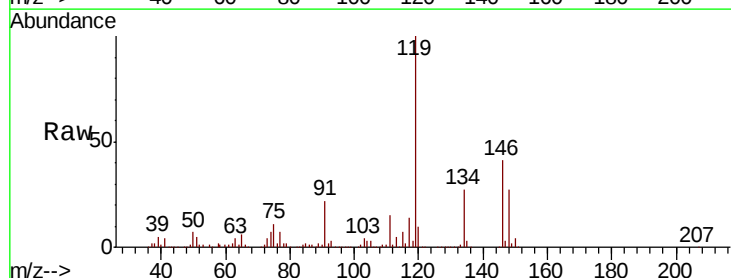
Instrument :
 MSVOA_N
 ClientSampled :

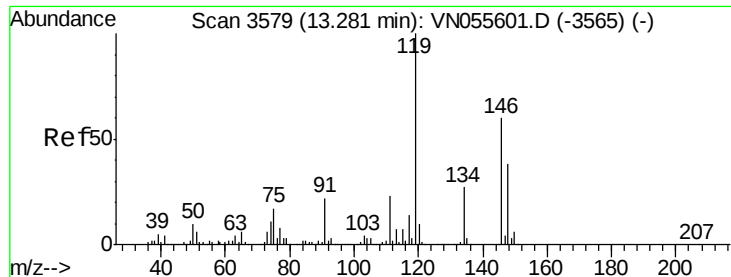
Tot Ion:105 Resp: 730200
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 51.593 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion:119 Resp: 676383
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.2
 91 22.2 11.0 33.0

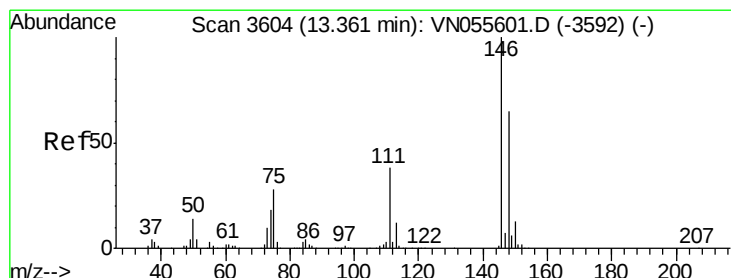
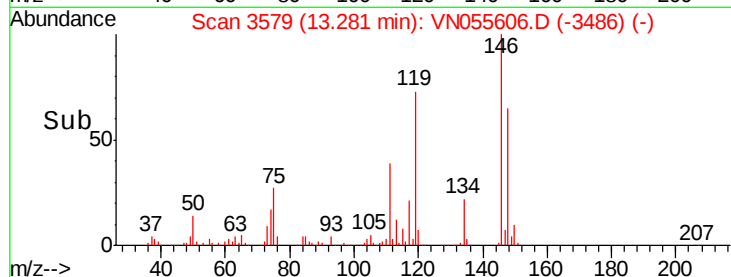
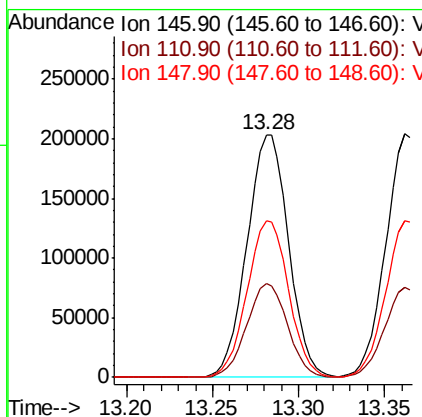
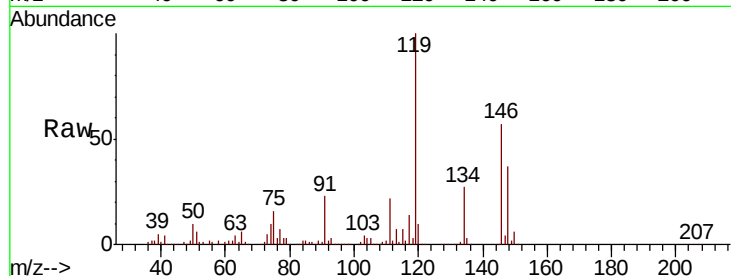




#87
 1,3-Dichlorobenzene
 Concen: 47.488 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

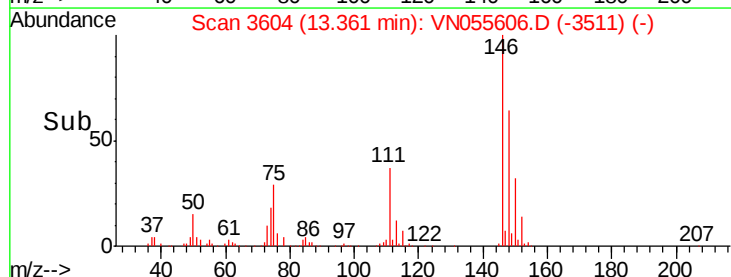
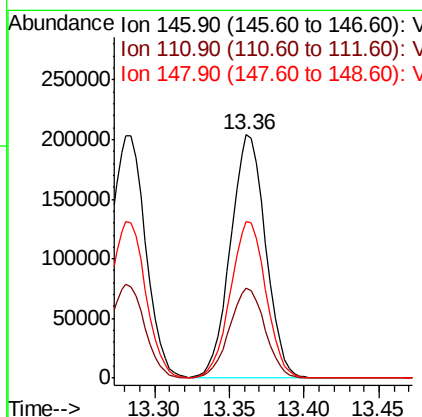
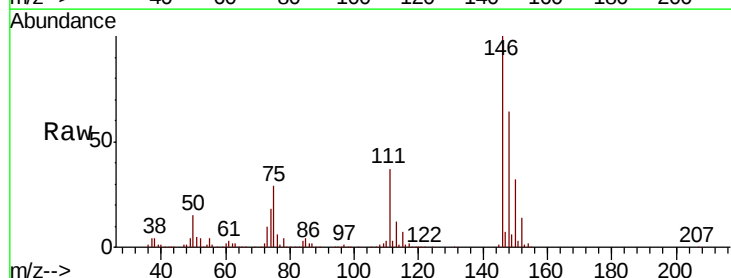
Instrument :
 MSVOA_N
 ClientSampled :

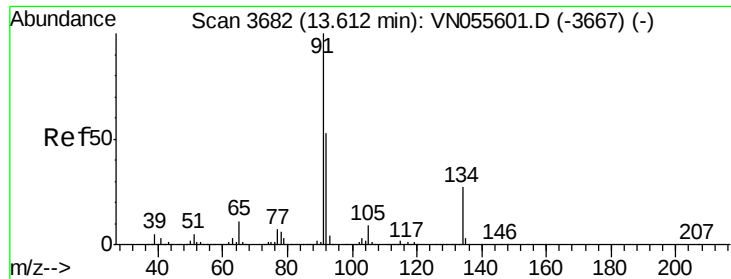
Tot Ion:146 Resp: 339990
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.9 56.9
 148 64.4 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 48.734 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion:146 Resp: 333149
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.8 56.4
 148 65.0 32.4 97.0





#89

n-Butylbenzene

Concen: 49.601 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

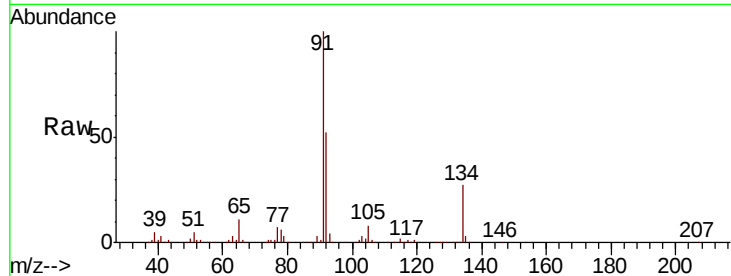
Tot Ion: 91 Resp: 573873

Ion Ratio Lower Upper

91 100

92 52.5 26.4 79.0

134 27.5 13.7 41.1

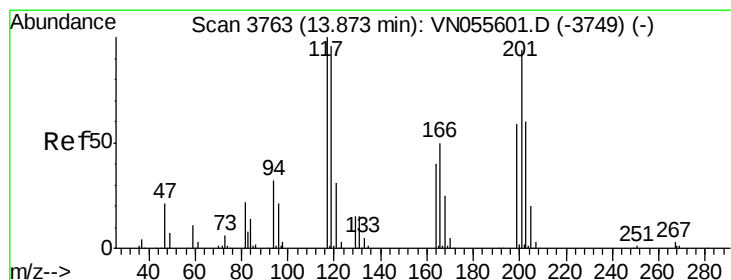
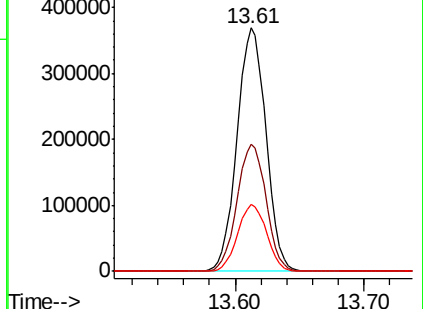
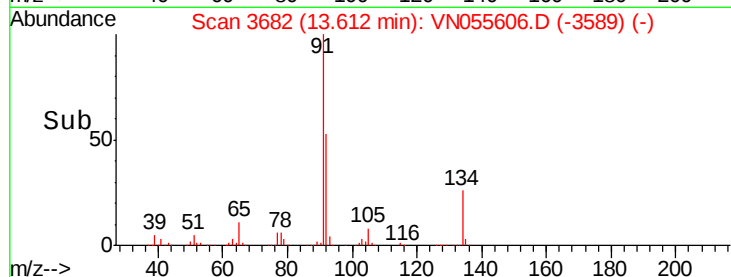


Abundance Ion 91.00 (90.70 to 91.70): VN055606.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN055606.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN055606.D (-3667) (-)

Time-->



#90

Hexachloroethane

Concen: 50.936 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055606.D

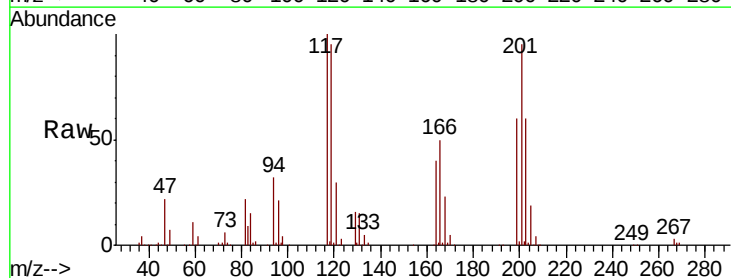
Acq: 17 May 2019 13:06

Tgt Ion: 117 Resp: 127620

Ion Ratio Lower Upper

117 100

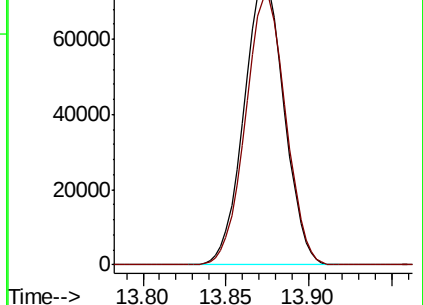
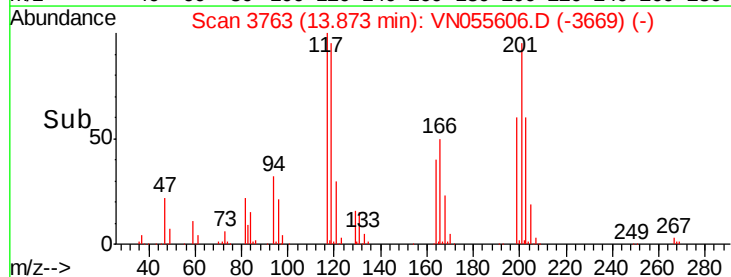
201 94.7 47.1 141.3

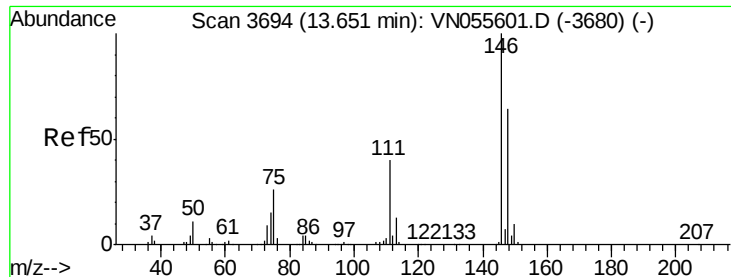


Abundance Ion 116.80 (116.50 to 117.50): VN055606.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN055606.D (-3669) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 46.490 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

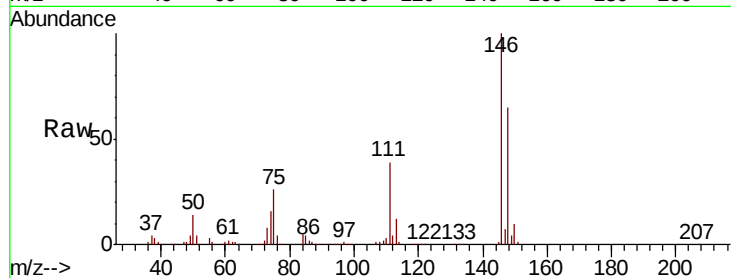
Tot Ion:146 Resp: 331802

Ion Ratio Lower Upper

146 100

111 39.3 19.7 59.0

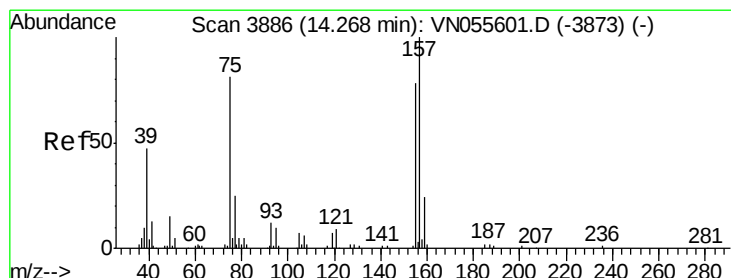
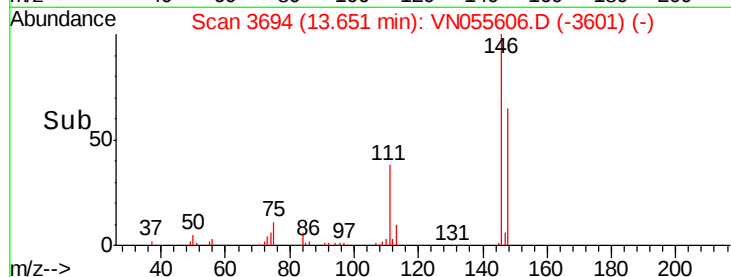
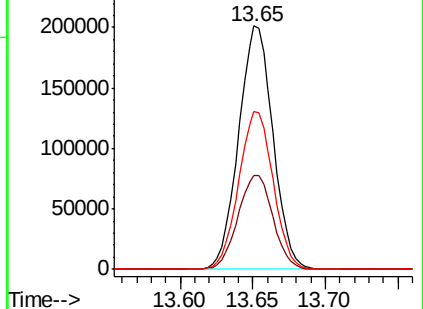
148 65.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.182 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

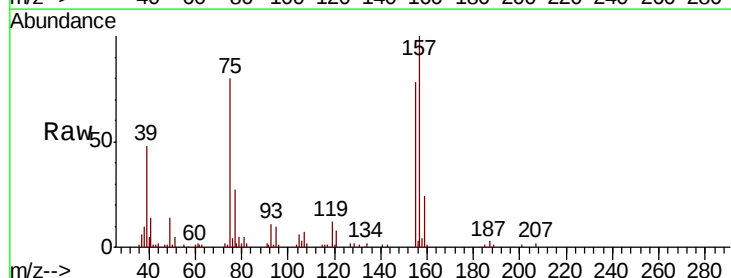
Tgt Ion: 75 Resp: 45147

Ion Ratio Lower Upper

75 100

155 97.5 48.4 145.0

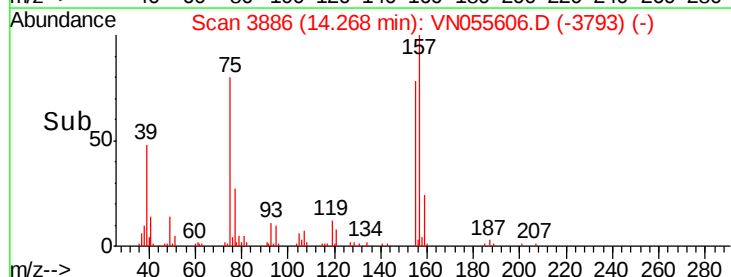
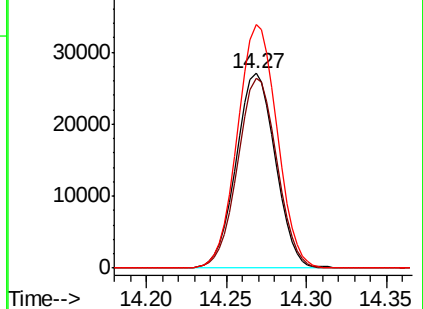
157 126.2 62.3 186.8

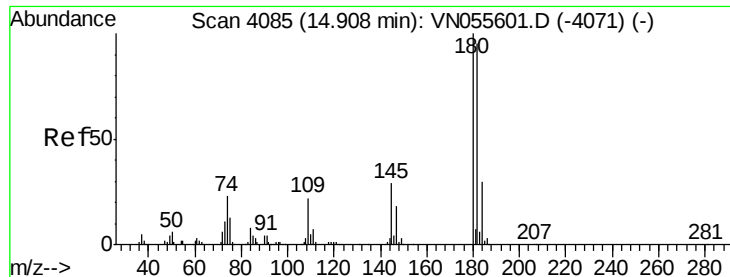


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

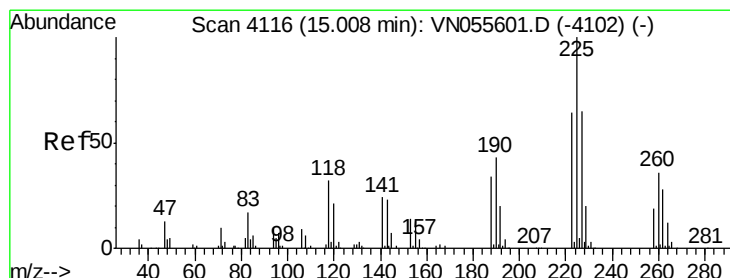
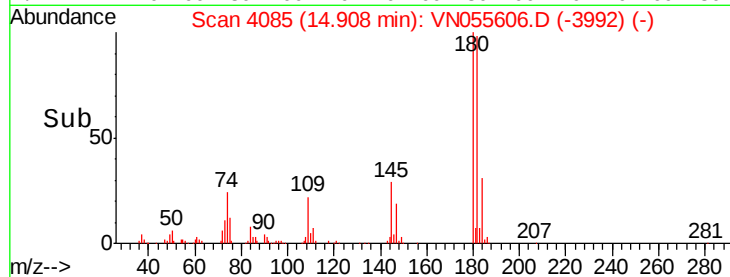
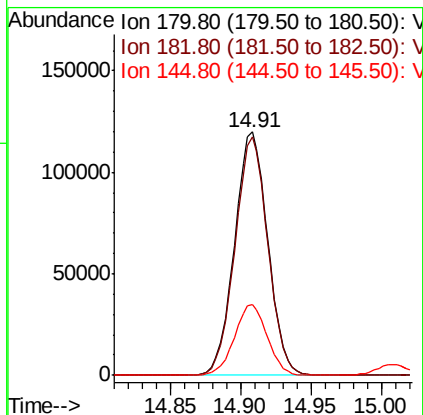
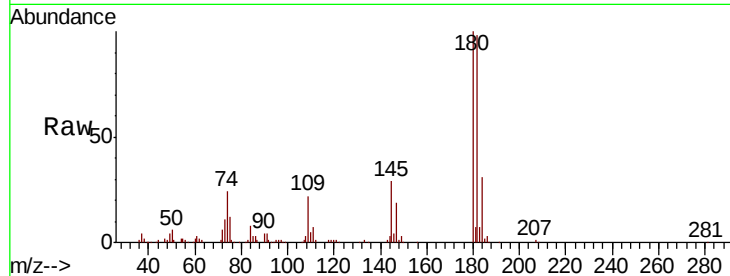




#93
 1,2,4-Trichlorobenzene
 Concen: 54.477 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

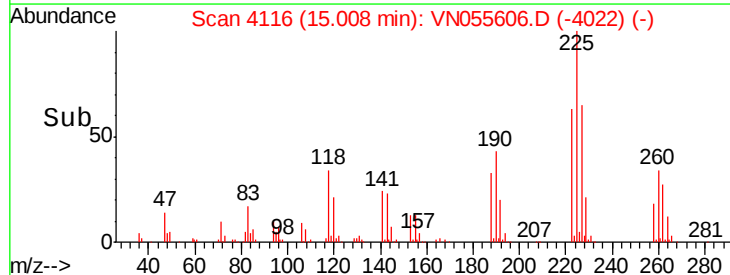
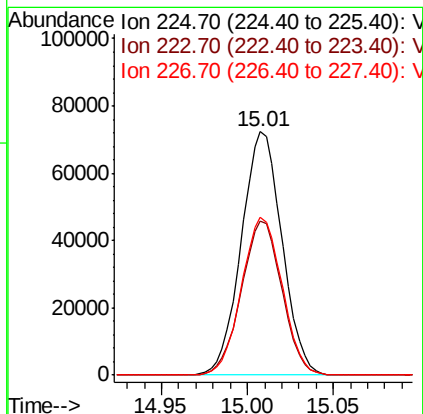
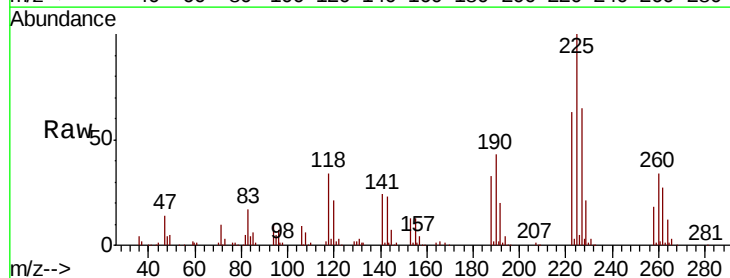
Instrument :
 MSVOA_N
 ClientSampleId :

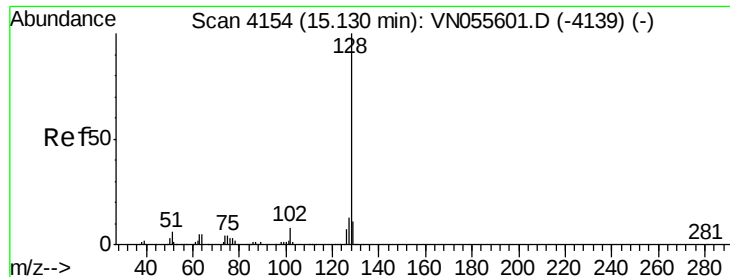
Tot Ion:180 Resp: 197910
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.9 143.6
 145 28.7 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 54.353 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055606.D
 Acq: 17 May 2019 13:06

Tgt Ion:225 Resp: 118620
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.6 94.7
 227 64.6 32.4 97.0





#95

Naphthalene

Concen: 46.727 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

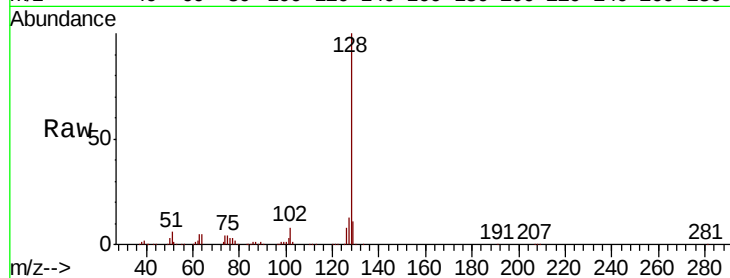
Tot Ion:128 Resp: 511007

Ion Ratio Lower Upper

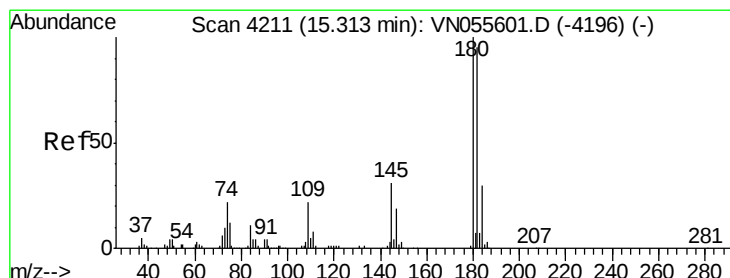
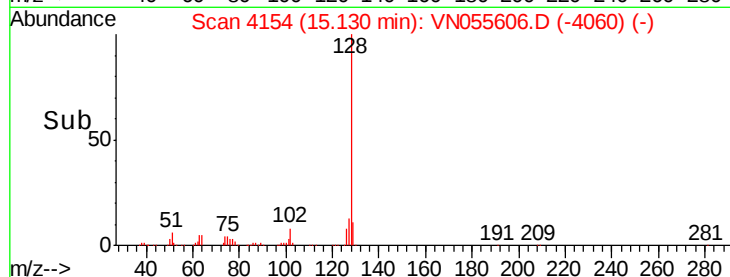
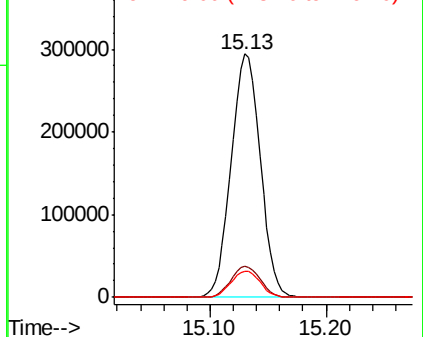
128 100

127 12.8 10.2 15.4

129 10.9 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: 51.306 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055606.D

Acq: 17 May 2019 13:06

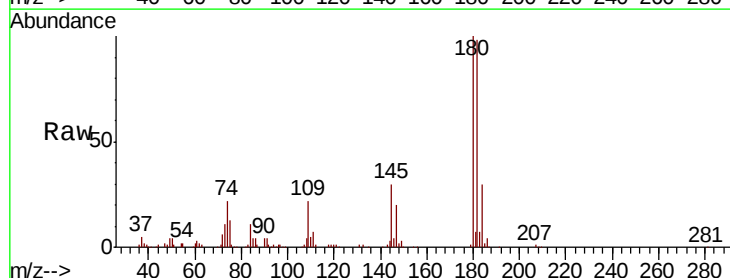
Tgt Ion:180 Resp: 194888

Ion Ratio Lower Upper

180 100

182 96.1 47.9 143.6

145 30.2 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

