

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
 Data File : VN058360.D
 Acq On : 25 Sep 2019 12:36
 Operator : JC/SP
 Sample : VN0925WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 26 01:09:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	455459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	785313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	702280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324906	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	314664	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
35) Dibromofluoromethane	7.58	113	224601	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	
50) Toluene-d8	10.08	98	861960	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
62) 4-Bromofluorobenzene	12.41	95	308489	44.65	ug/l	0.00
Spiked Amount			Recovery	=	89.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	61778	16.512	ug/l	99
3) Chloromethane	2.04	50	53163	17.767	ug/l	97
4) Vinyl Chloride	2.17	62	56971	17.475	ug/l	99
5) Bromomethane	2.55	94	30375	18.654	ug/l	99
6) Chloroethane	2.69	64	39057	18.221	ug/l	97
7) Trichlorofluoromethane	3.00	101	86119	16.863	ug/l	98
8) Diethyl Ether	3.39	74	43011	18.381	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	64709	17.574	ug/l	98
10) Methyl Iodide	3.94	142	48783	15.811	ug/l	97
11) Tert butyl alcohol	4.76	59	85545	113.366	ug/l	99
12) 1,1-Dichloroethene	3.72	96	51197	18.095	ug/l	96
13) Acrolein	3.59	56	5450	48.736	ug/l	94
14) Allyl chloride	4.30	41	105620	17.530	ug/l	99
15) Acrylonitrile	4.97	53	208634	103.775	ug/l	98
16) Acetone	3.80	43	192036	89.183	ug/l	98
17) Carbon Disulfide	4.03	76	62827	16.158	ug/l	97
18) Methyl Acetate	4.30	43	112342	19.827	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	269082	19.376	ug/l	97
20) Methylene Chloride	4.53	84	74550	19.640	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	55820	18.075	ug/l	97
22) Diisopropyl ether	5.93	45	290838	19.003	ug/l	95
23) Vinyl Acetate	5.87	43	1034772	98.809	ug/l	100
24) 1,1-Dichloroethane	5.83	63	150469	18.421	ug/l	99
25) 2-Butanone	6.82	43	295000	100.559	ug/l	97
26) 2,2-Dichloropropane	6.81	77	115155	16.617	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	85437	18.498	ug/l	99
28) Bromochloromethane	7.17	49	82822	21.433	ug/l	99
29) Tetrahydrofuran	7.19	42	181469	100.425	ug/l	100
30) Chloroform	7.36	83	162782	18.513	ug/l	100
31) Cyclohexane	7.64	56	100164	17.396	ug/l #	90
32) 1,1,1-Trichloroethane	7.55	97	125198	18.704	ug/l	99
36) 1,1-Dichloropropene	7.78	75	93299	16.474	ug/l	99
37) Ethyl Acetate	6.91	43	114532	19.487	ug/l	99
38) Carbon Tetrachloride	7.76	117	99170	17.420	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	90933	16.654	ug/l	98
40) Benzene	8.03	78	299051	17.289	ug/l	99
41) Methacrylonitrile	7.19	41	176262	59.358	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	132093	18.199	ug/l	99
43) Isopropyl Acetate	8.15	43	199619	18.186	ug/l #	91
44) Trichloroethene	8.82	130	74571	17.617	ug/l	96
45) 1,2-Dichloropropane	9.11	63	96970	18.772	ug/l	98
46) Dibromomethane	9.20	93	56480	17.983	ug/l	99
47) Bromodichloromethane	9.39	83	122217	18.575	ug/l	98
48) Methyl methacrylate	9.19	41	94035	18.868	ug/l	98
49) 1,4-Dioxane	9.19	88	34384	420.221	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	641514	110.034	ug/l	99
52) Toluene	10.15	92	187240	17.272	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	119182	17.683	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	131534	17.676	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	92304	19.187	ug/l	98
56) Ethyl methacrylate	10.43	69	131913	19.005	ug/l	99
57) 1,3-Dichloropropane	10.71	76	154733	18.709	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	335408	101.447	ug/l	100
59) 2-Hexanone	10.75	43	454261	104.910	ug/l	99
60) Dibromochloromethane	10.90	129	85070	18.381	ug/l	98
61) 1,2-Dibromoethane	11.00	107	83024	18.622	ug/l	99
64) Tetrachloroethene	10.63	164	56966	16.640	ug/l	96
65) Chlorobenzene	11.44	112	220381	17.841	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82154	18.342	ug/l	99
67) Ethyl Benzene	11.51	91	386282	18.250	ug/l	100
68) m/p-Xylenes	11.62	106	280637	35.204	ug/l	98
69) o-Xylene	11.95	106	143382	18.292	ug/l	97
70) Styrene	11.97	104	246924	18.283	ug/l	99
71) Bromoform	12.13	173	52346	18.225	ug/l	98
73) Isopropylbenzene	12.25	105	403394	19.835	ug/l	99
74) N-amyl acetate	12.07	43	172269	20.248	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	141311	20.749	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	166089	28.563	ug/l #	100
77) Bromobenzene	12.53	156	95502	18.669	ug/l	99
78) n-propylbenzene	12.60	91	466436	20.183	ug/l	99
79) 2-Chlorotoluene	12.68	91	279717	19.367	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	338197	19.666	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	31694	20.127	ug/l	95
82) 4-Chlorotoluene	12.78	91	286178	18.850	ug/l	99
83) tert-Butylbenzene	13.00	119	306922	20.013	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	338282	19.766	ug/l	100
85) sec-Butylbenzene	13.18	105	406931	20.291	ug/l	100
86) p-Isopropyltoluene	13.30	119	361027	20.249	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	175226	18.754	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	173517	18.190	ug/l	97
89) n-Butylbenzene	13.62	91	329746	19.508	ug/l	100
90) Hexachloroethane	13.88	117	55222	19.488	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	179114	19.110	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25574	20.858	ug/l	91

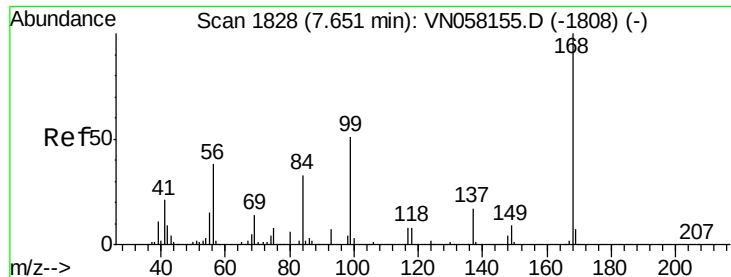
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
Data File : VN058360.D
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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	110876	18.515	ug/l	98
94) Hexachlorobutadiene	15.02	225	53459	18.470	ug/l	99
95) Naphthalene	15.13	128	321262	20.701	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	106246	18.771	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

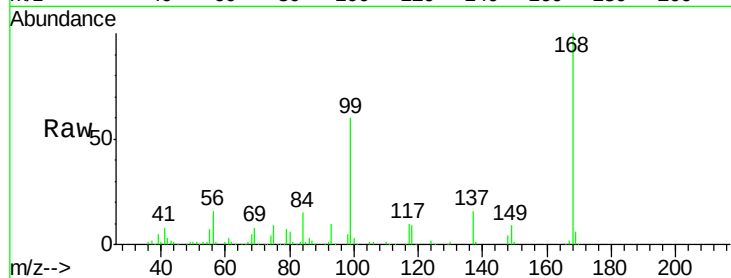
ClientSampleId :

Tot Ion:168 Resp: 455459

Ion Ratio Lower Upper

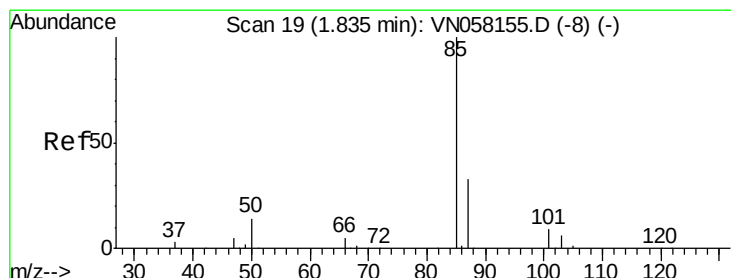
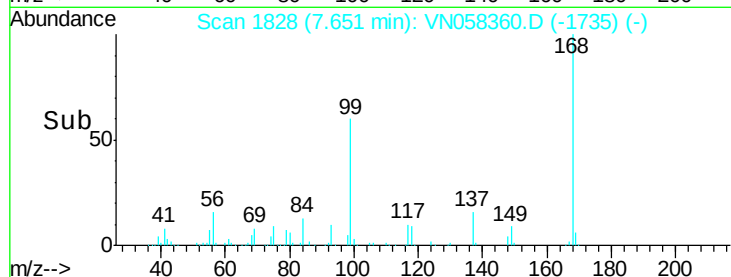
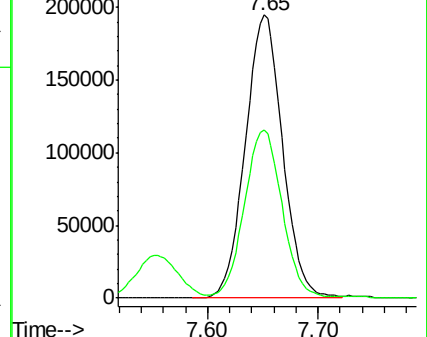
168 100

99 58.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 16.512 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058360.D

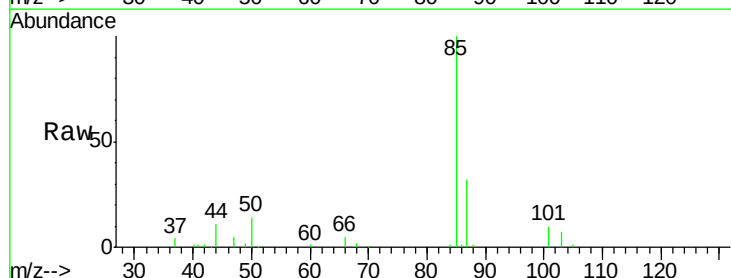
Acq: 25 Sep 2019 12:36

Tgt Ion: 85 Resp: 61778

Ion Ratio Lower Upper

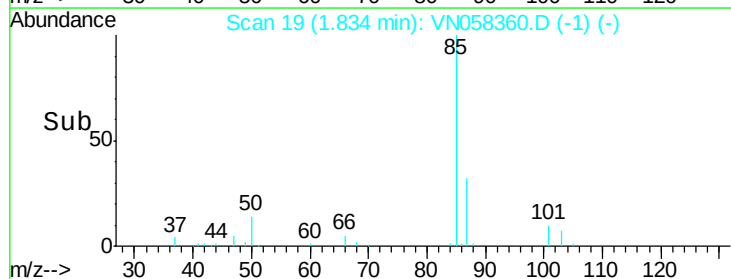
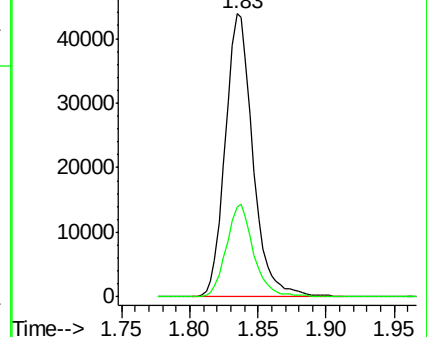
85 100

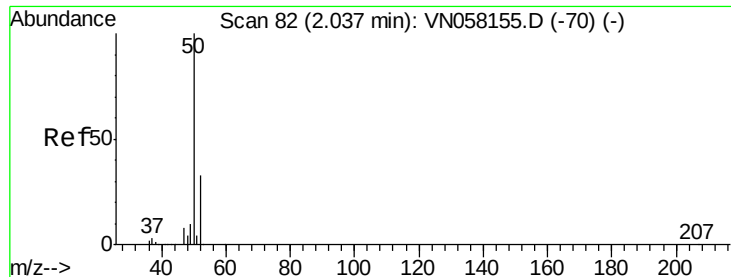
87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.767 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

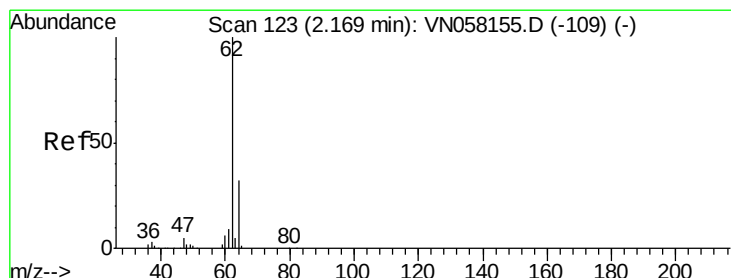
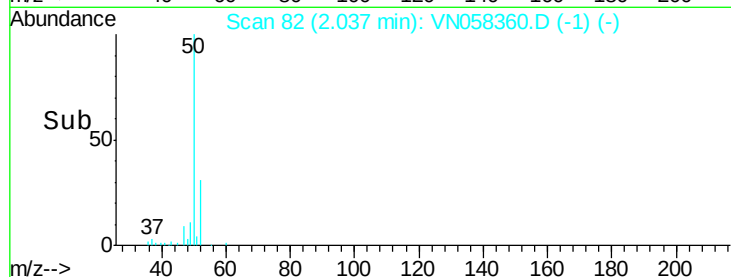
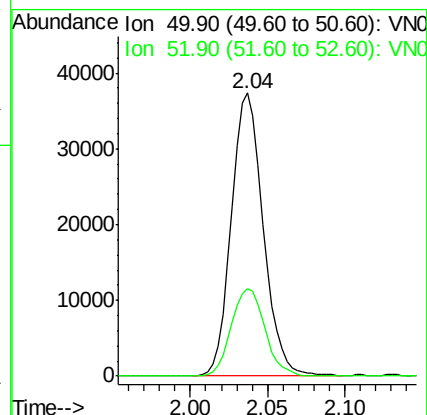
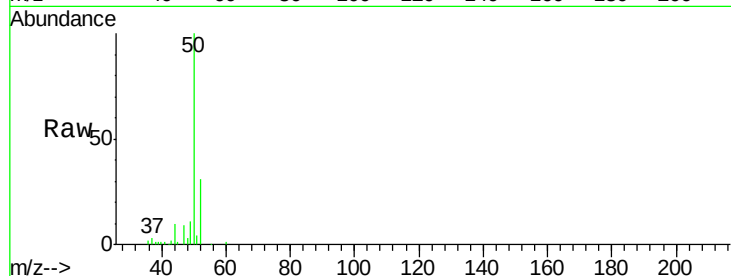
ClientSampleId :

Tot Ion: 50 Resp: 53163

Ion Ratio Lower Upper

50 100

52 31.1 26.3 39.5



#4

Vinyl Chloride

Concen: 17.475 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058360.D

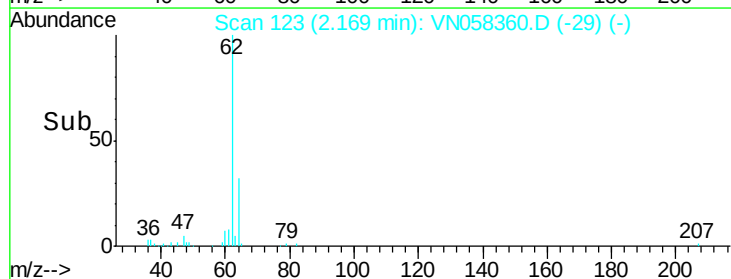
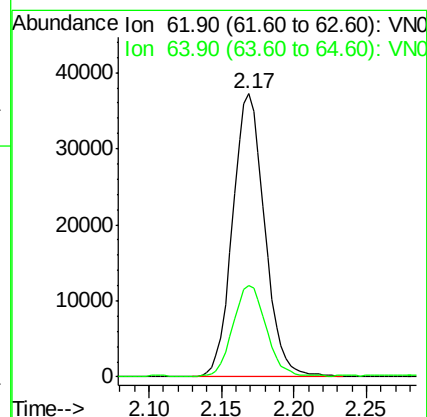
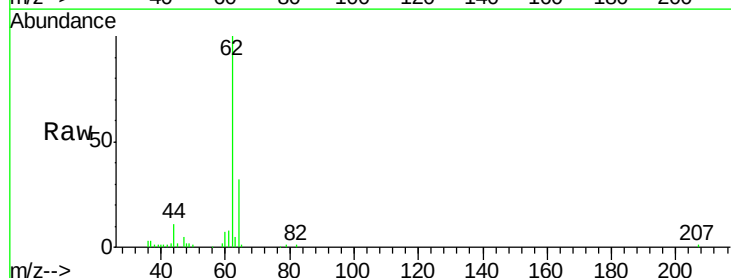
Acq: 25 Sep 2019 12:36

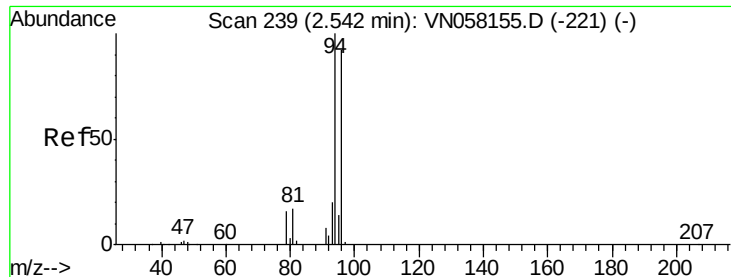
Tgt Ion: 62 Resp: 56971

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2





#5

Bromomethane

Concen: 18.654 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

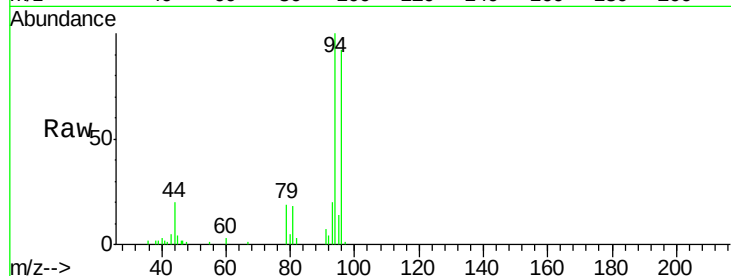
ClientSampled :

Tot Ion: 94 Resp: 30375

Ion Ratio Lower Upper

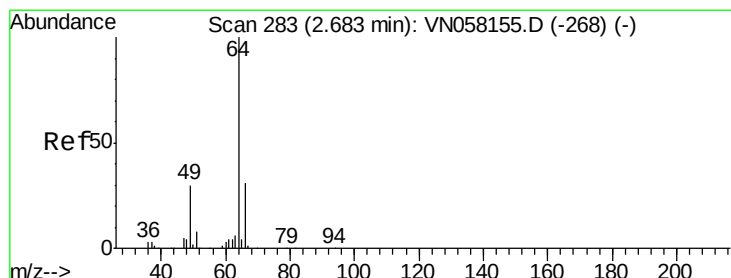
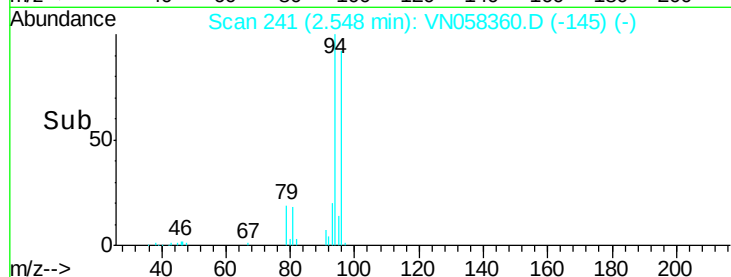
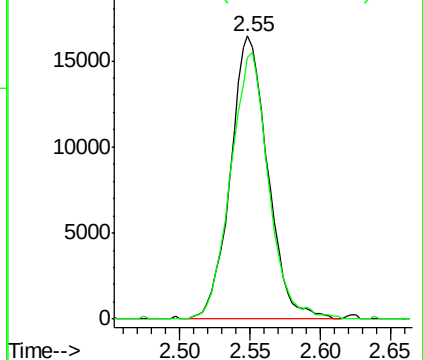
94 100

96 92.4 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.221 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058360.D

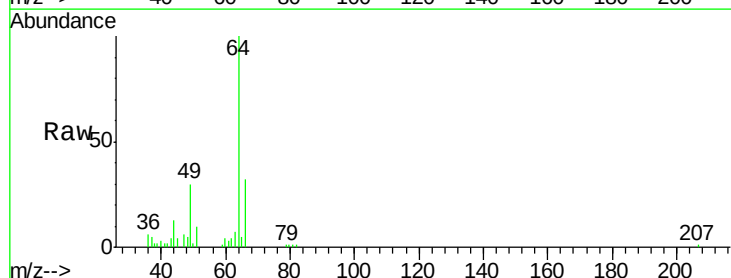
Acq: 25 Sep 2019 12:36

Tgt Ion: 64 Resp: 39057

Ion Ratio Lower Upper

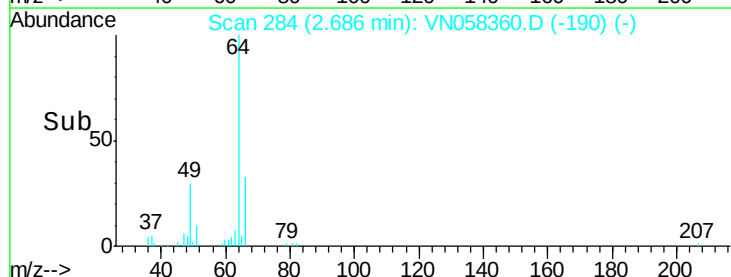
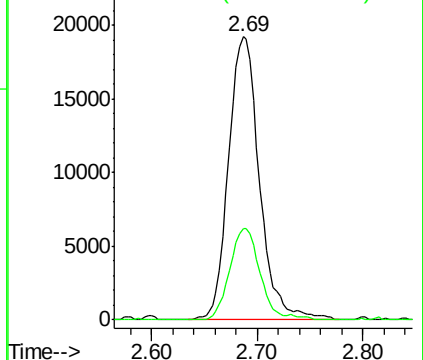
64 100

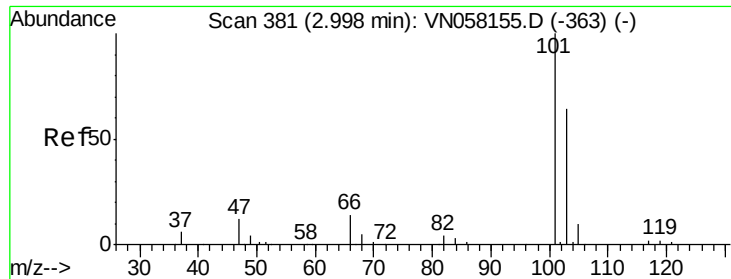
66 32.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



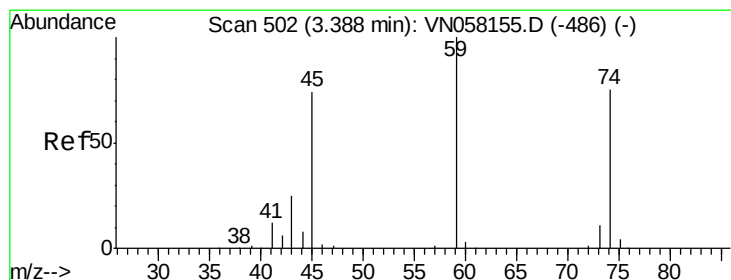
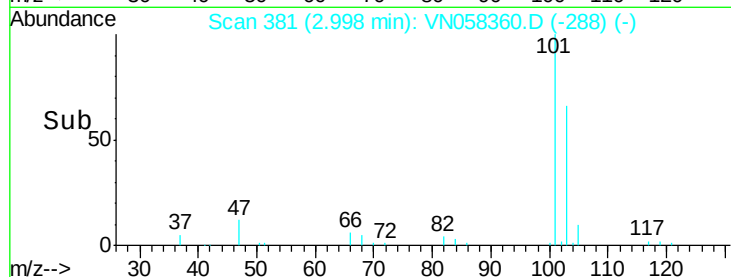
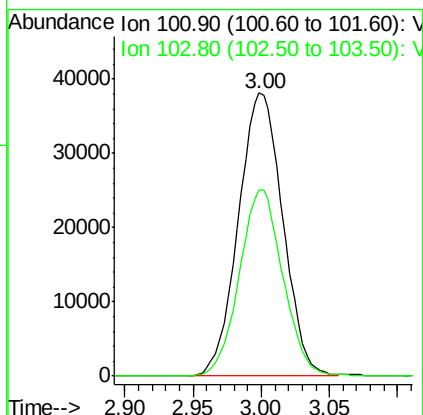
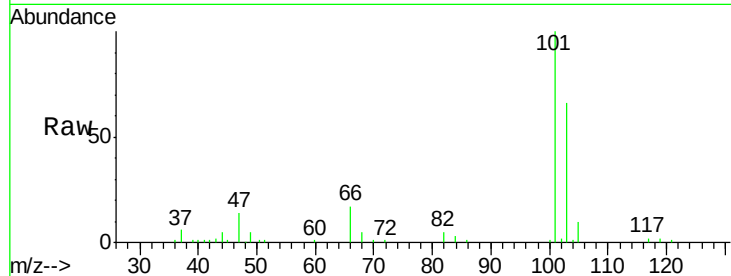


#7

Trichlorofluoromethane
 Concen: 16.863 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Instrument :
 MSVOA_N
 ClientSampled :

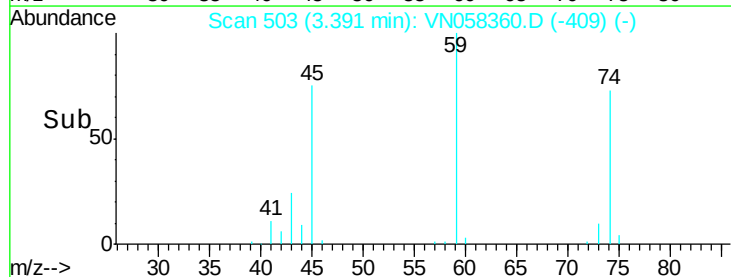
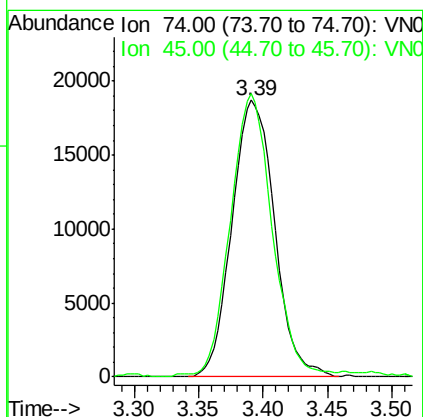
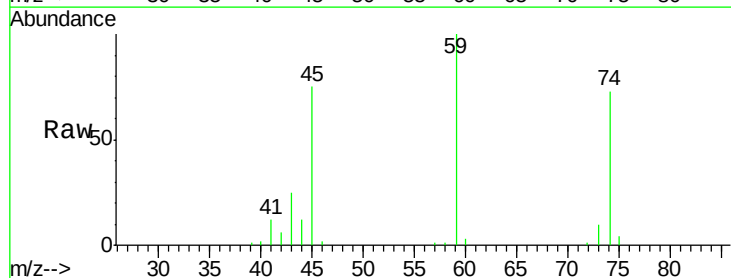
Tot Ion:101 Resp: 86119
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.0 76.6

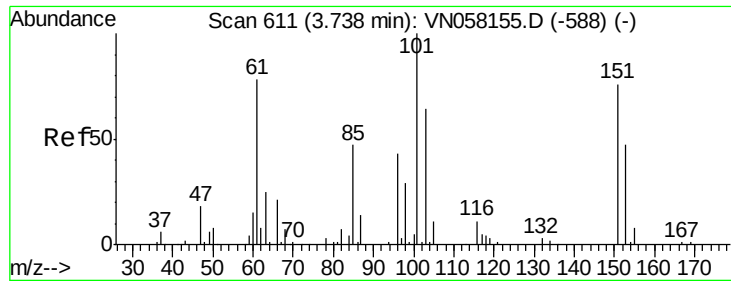


#8

Diethyl Ether
 Concen: 18.381 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion: 74 Resp: 43011
 Ion Ratio Lower Upper
 74 100
 45 97.9 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.574 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

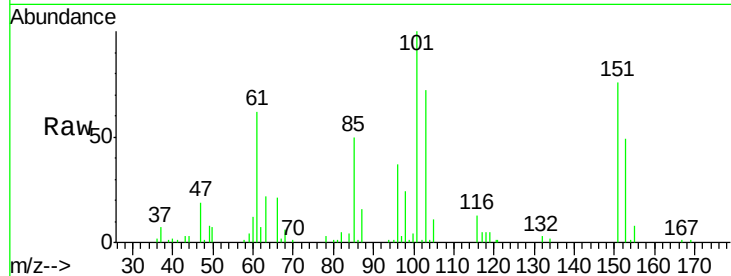
Tot Ion:101 Resp: 64709

Ion Ratio Lower Upper

101 100

85 48.9 37.3 55.9

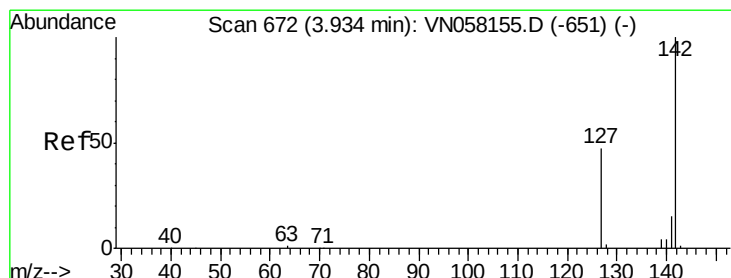
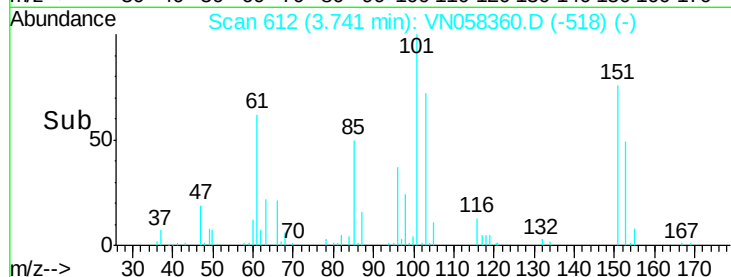
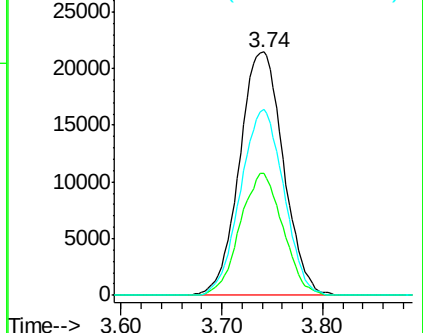
151 75.4 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.811 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

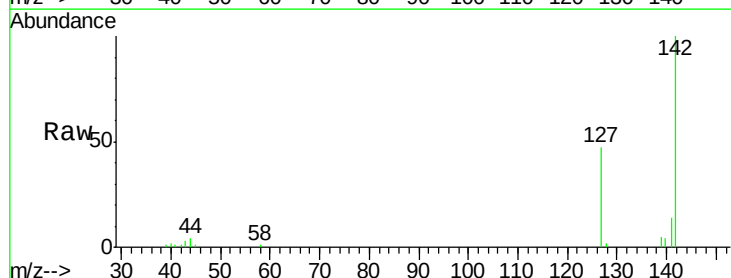
Tgt Ion:142 Resp: 48783

Ion Ratio Lower Upper

142 100

127 48.9 37.5 56.3

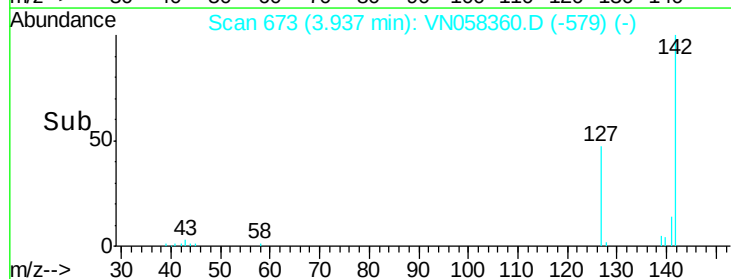
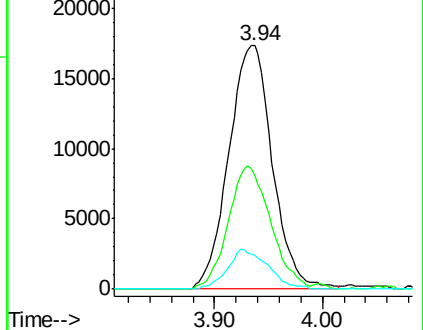
141 15.2 11.4 17.2

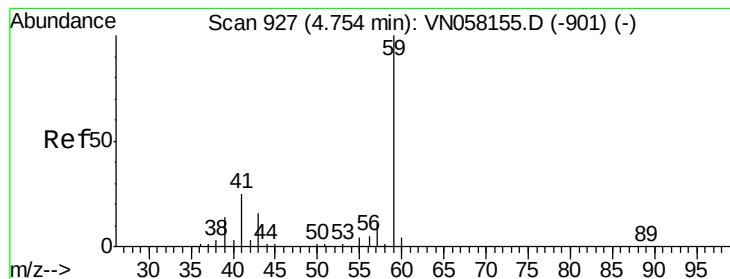


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



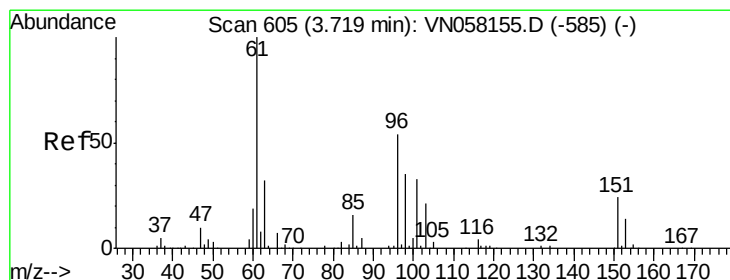
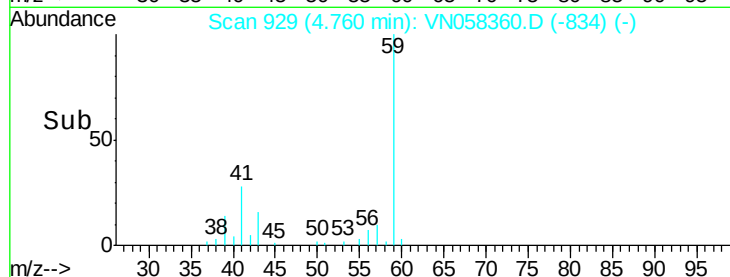
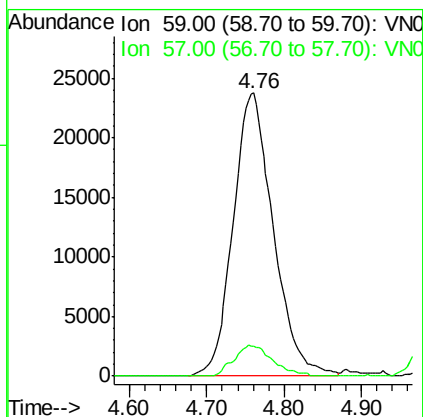
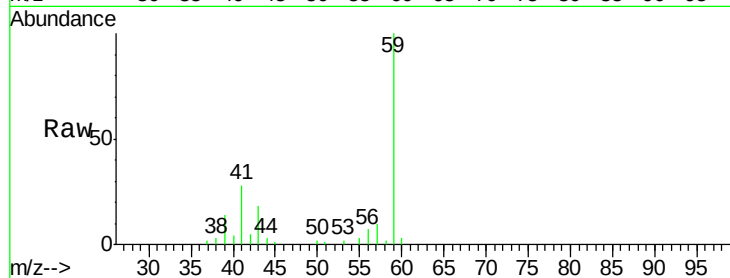


#11

Tert butyl alcohol
 Concen: 113.366 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Instrument :
 MSVOA_N
 ClientSampled :

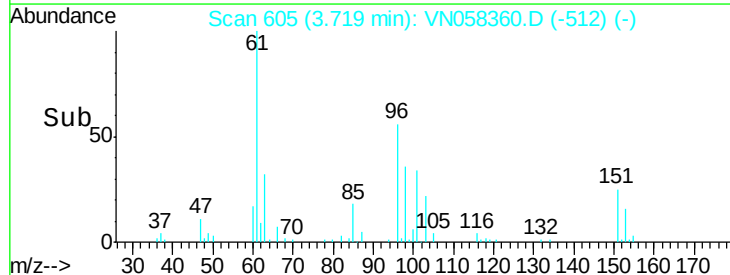
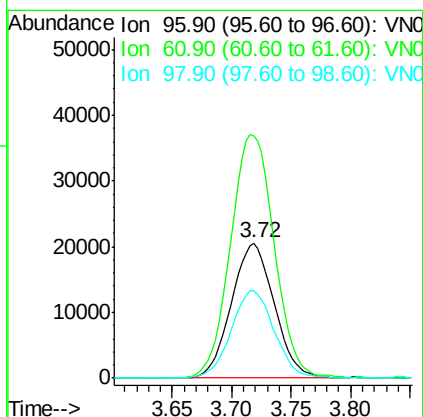
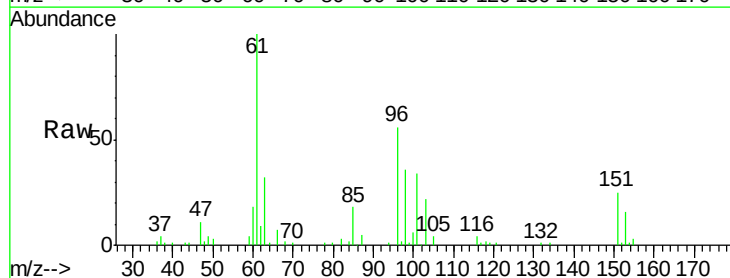
Tot Ion: 59 Resp: 85545
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.6 13.0

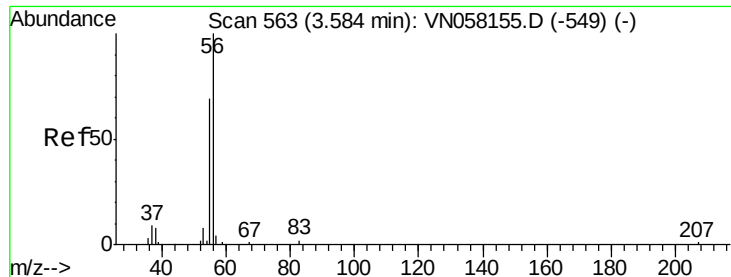


#12

1,1-Dichloroethene
 Concen: 18.095 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion: 96 Resp: 51197
 Ion Ratio Lower Upper
 96 100
 61 178.9 149.5 224.3
 98 64.8 52.4 78.6





#13

Acrolein

Concen: 48.736 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

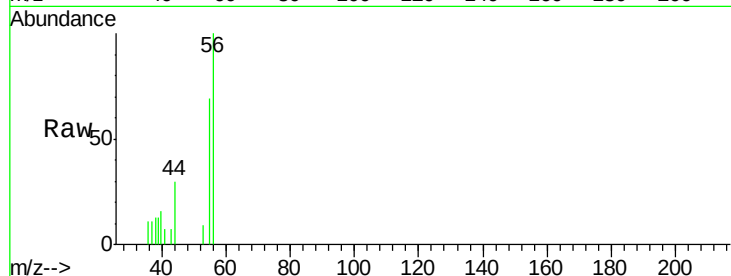
ClientSampled :

Tot Ion: 56 Resp: 5450

Ion Ratio Lower Upper

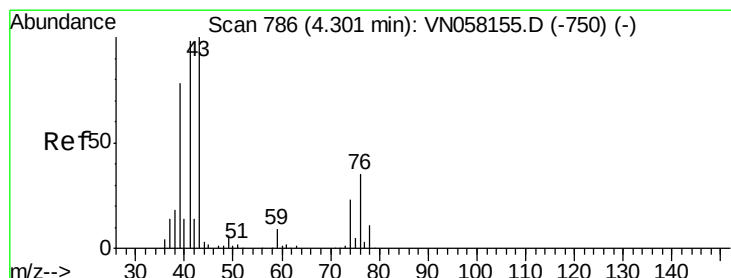
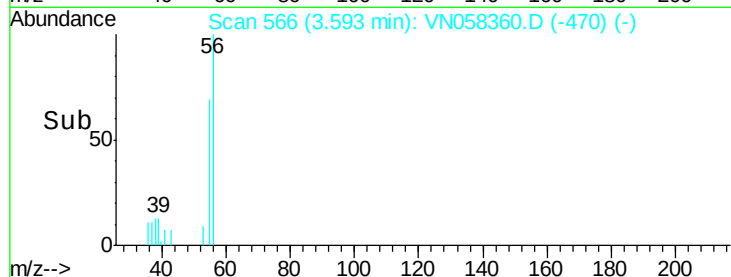
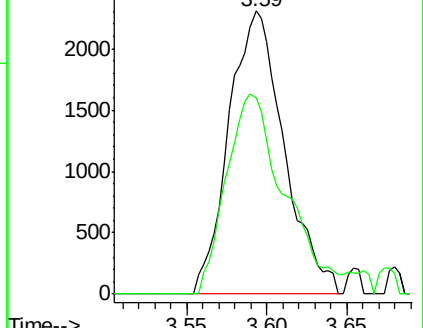
56 100

55 75.4 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VN058360.D (-566) (-)

Ion 55.00 (54.70 to 55.70): VN058360.D (-566) (-)



#14

Allyl chloride

Concen: 17.530 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

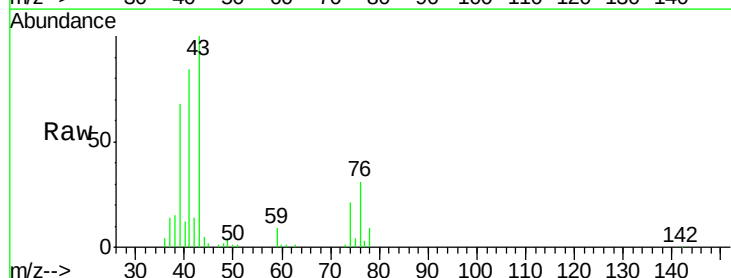
Tgt Ion: 41 Resp: 105620

Ion Ratio Lower Upper

41 100

39 74.7 59.1 88.7

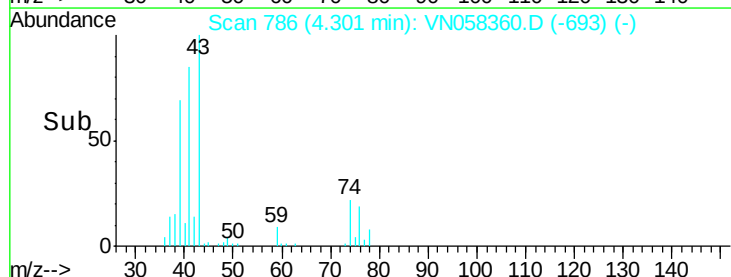
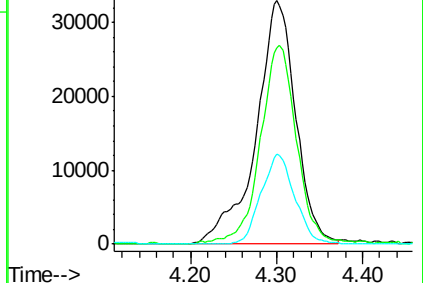
76 31.3 25.1 37.7

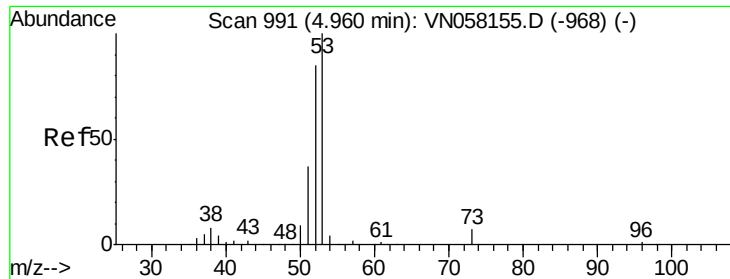


Abundance Ion 41.00 (40.70 to 41.70): VN058360.D (-786) (-)

Ion 39.00 (38.70 to 39.70): VN058360.D (-786) (-)

Ion 75.90 (75.60 to 76.60): VN058360.D (-786) (-)





#15

Acrylonitrile

Concen: 103.775 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

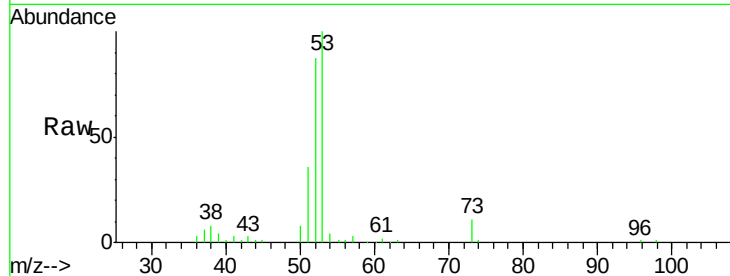
Tot Ion: 53 Resp: 208634

Ion Ratio Lower Upper

53 100

52 85.6 66.6 100.0

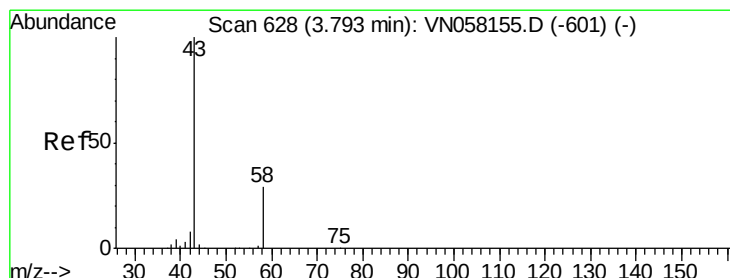
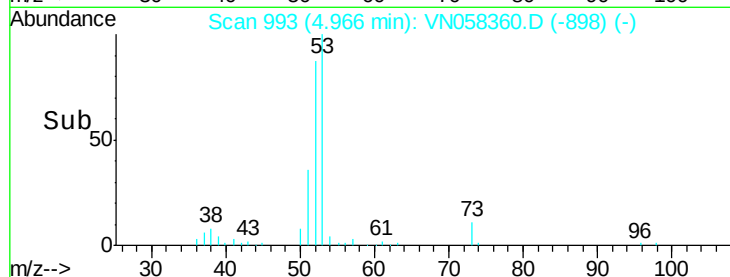
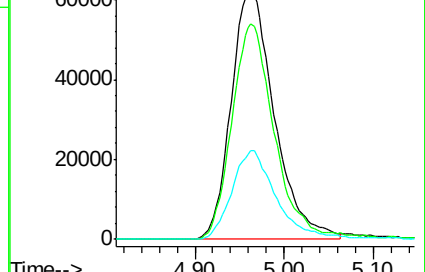
51 36.6 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN058155.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN058155.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN058155.D (-968) (-)



#16

Acetone

Concen: 89.183 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058360.D

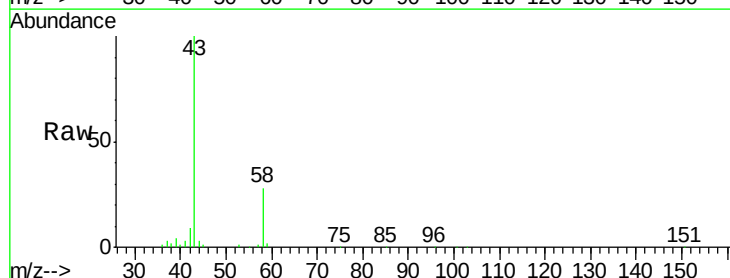
Acq: 25 Sep 2019 12:36

Tgt Ion: 43 Resp: 192036

Ion Ratio Lower Upper

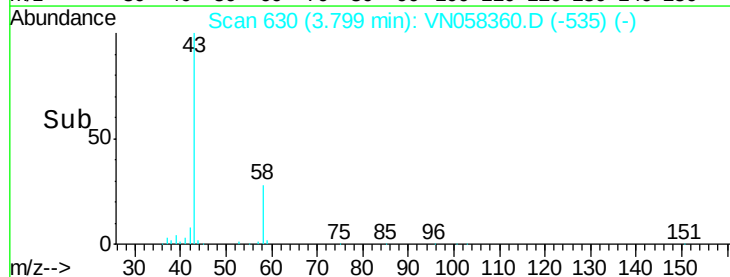
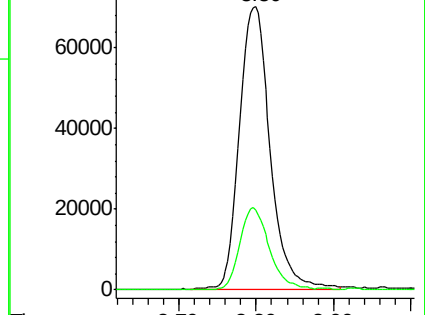
43 100

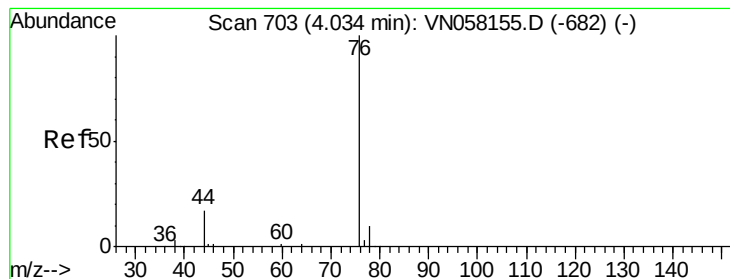
58 28.1 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN058155.D (-601) (-)





#17

Carbon Disulfide

Concen: 16.158 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

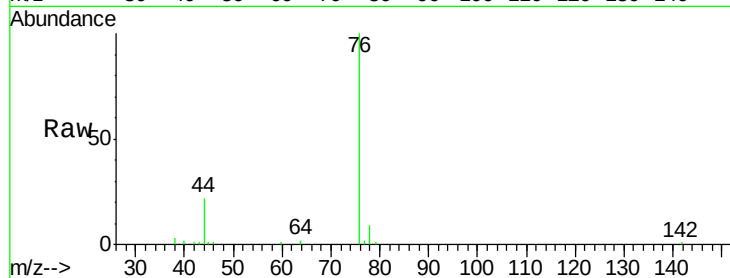
ClientSampled :

Tot Ion: 76 Resp: 62827

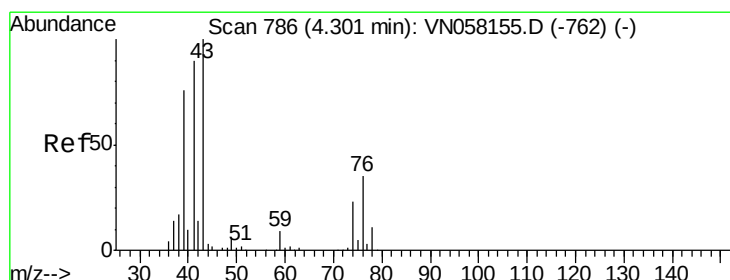
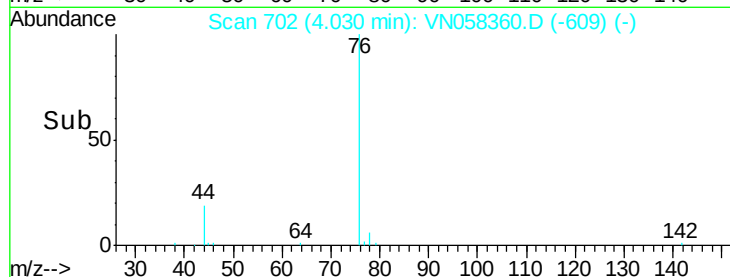
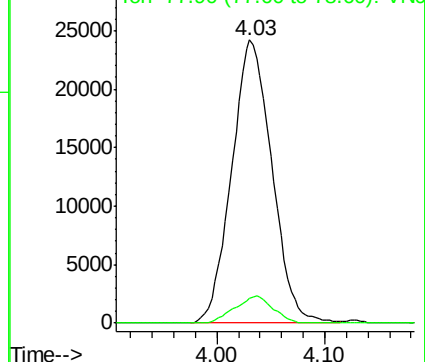
Ion Ratio Lower Upper

76 100

78 8.6 7.7 11.5



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



#18

Methyl Acetate

Concen: 19.827 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058360.D

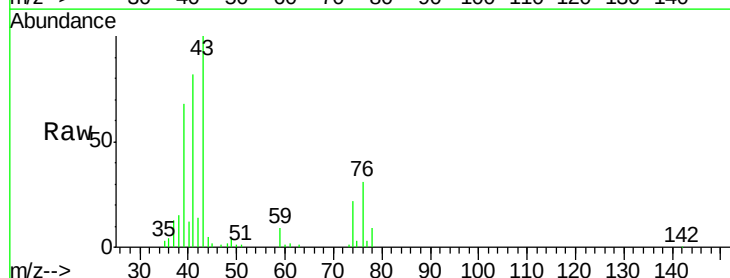
Acq: 25 Sep 2019 12:36

Tgt Ion: 43 Resp: 112342

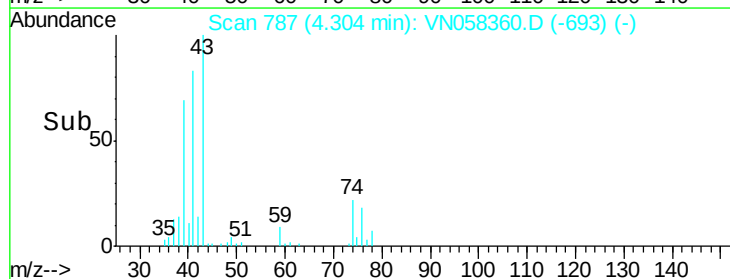
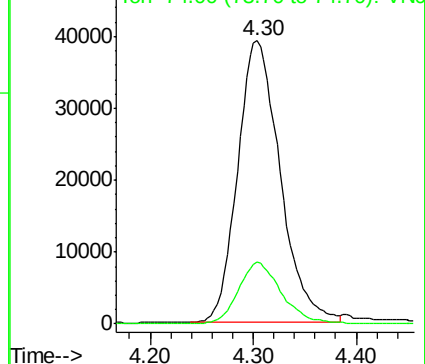
Ion Ratio Lower Upper

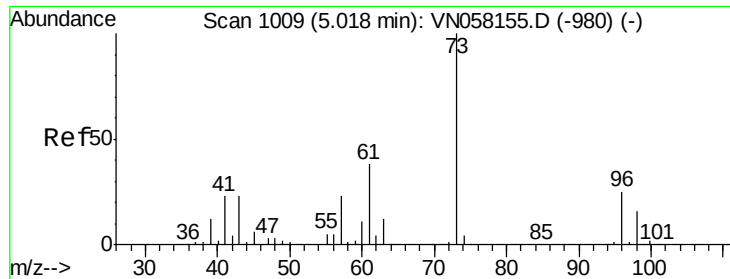
43 100

74 22.2 18.0 27.0



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

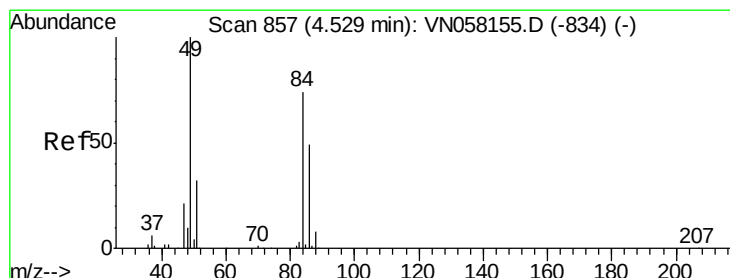
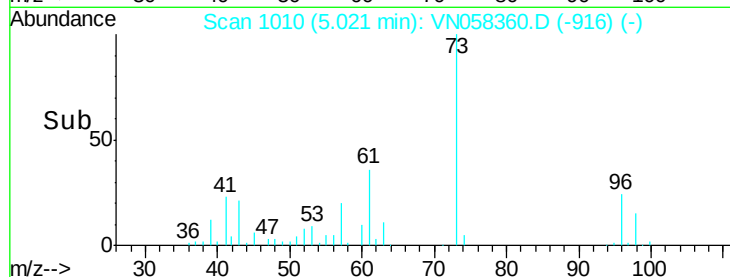
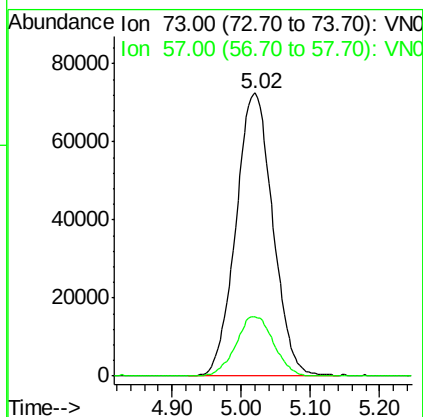
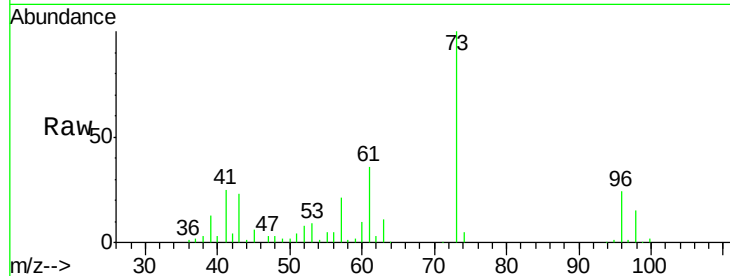




#19
Methvl tert-butvl Ether
Concen: 19.376 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

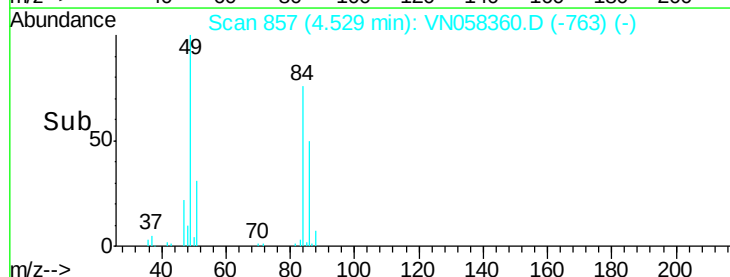
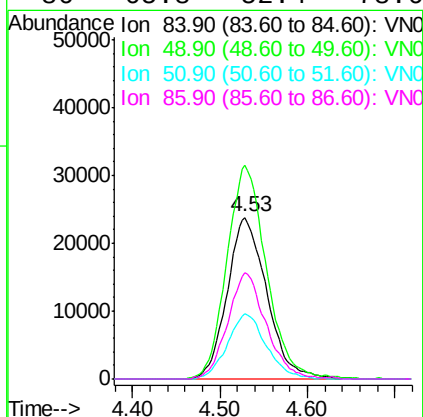
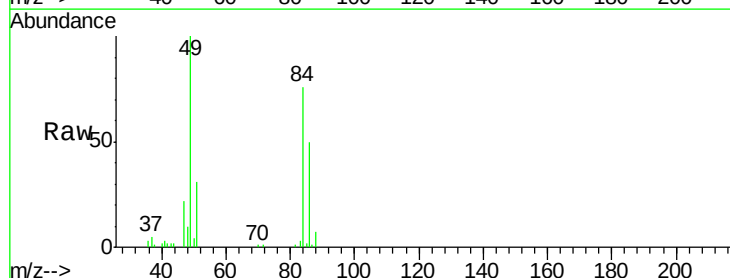
Instrument :
MSVOA_N
ClientSampled :

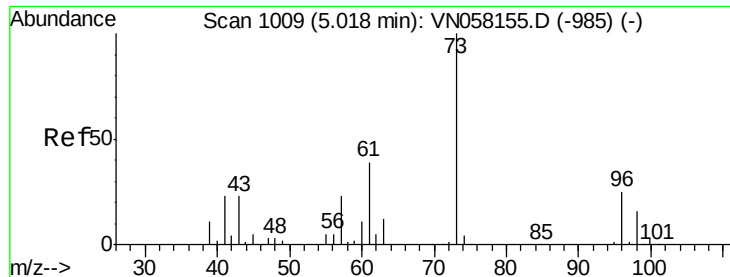
Tot Ion: 73 Resp: 269082
Ion Ratio Lower Upper
73 100
57 21.0 18.1 27.1



#20
Methylene Chloride
Concen: 19.640 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion: 84 Resp: 74550
Ion Ratio Lower Upper
84 100
49 131.8 107.5 161.3
51 40.4 33.9 50.9
86 65.8 52.4 78.6

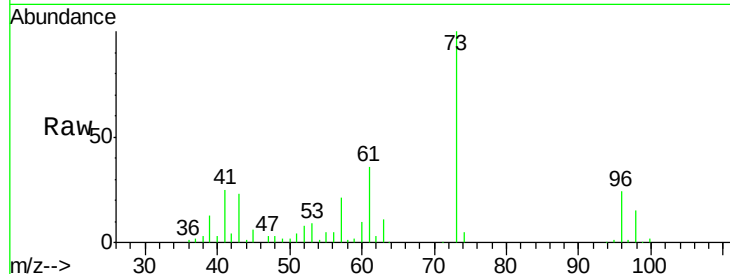




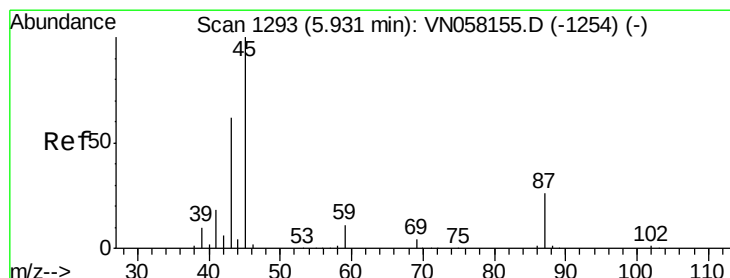
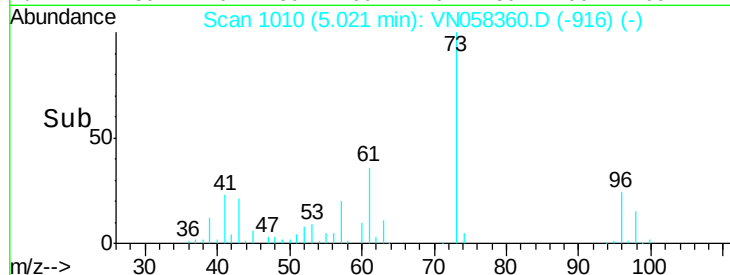
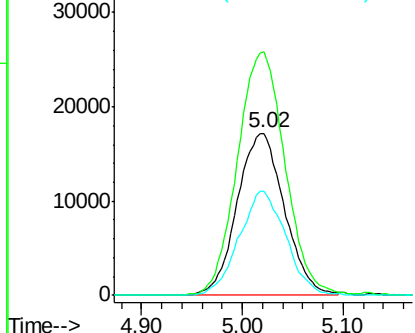
#21
trans-1,2-Dichloroethene
Concen: 18.075 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 55820
Ion Ratio Lower Upper
96 100
61 149.7 122.2 183.4
98 64.6 49.9 74.9

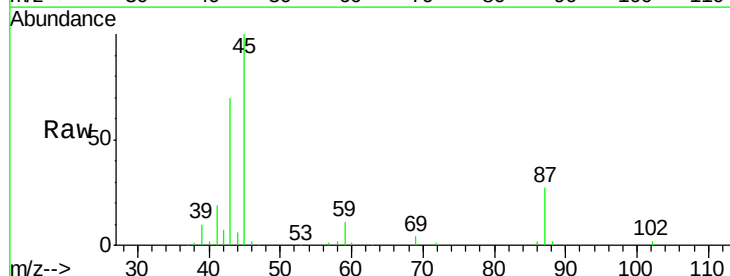


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

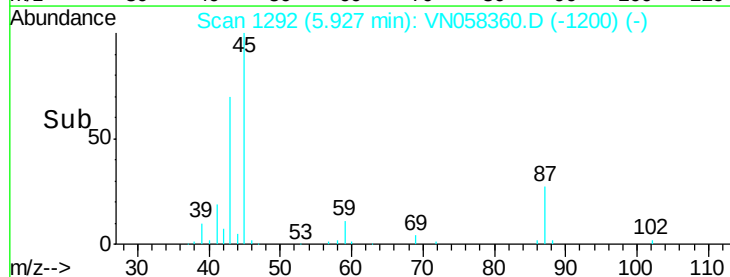
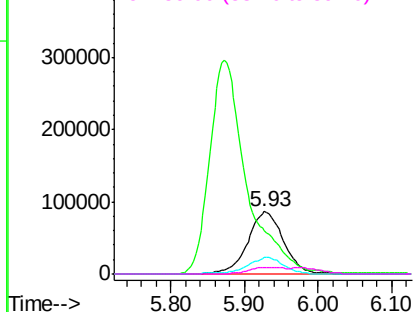


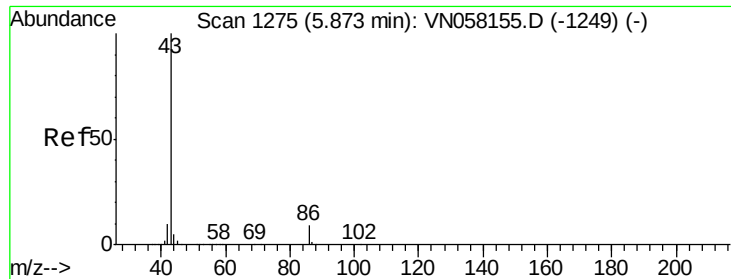
#22
Diisopropyl ether
Concen: 19.003 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion: 45 Resp: 290838
Ion Ratio Lower Upper
45 100
43 67.5 49.7 74.5
87 26.5 20.7 31.1
59 10.6 9.1 13.7



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

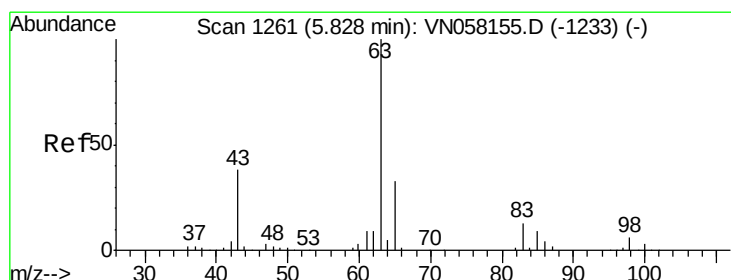
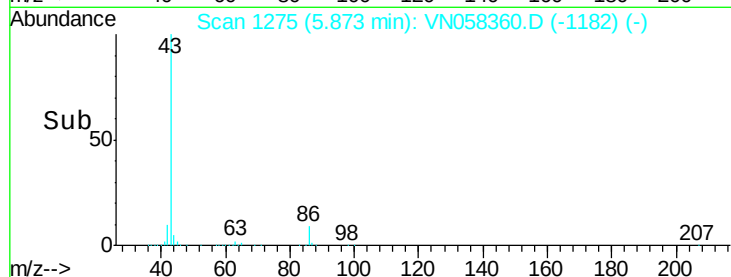
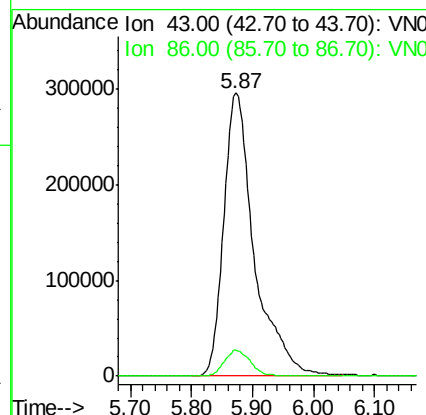
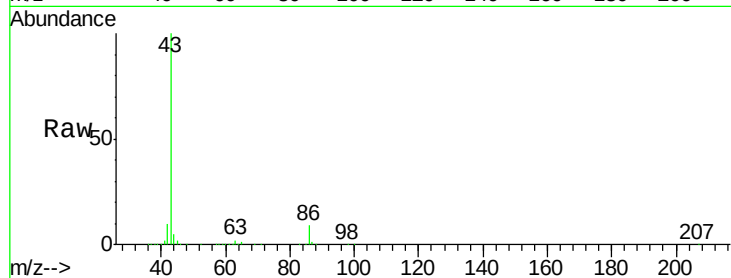




#23
 Vinyl Acetate
 Concen: 98.809 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

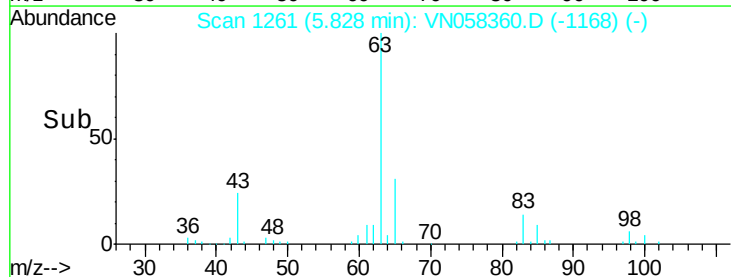
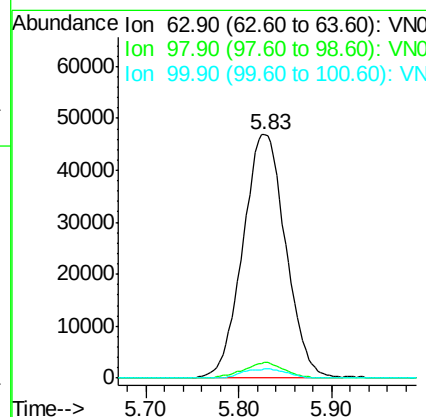
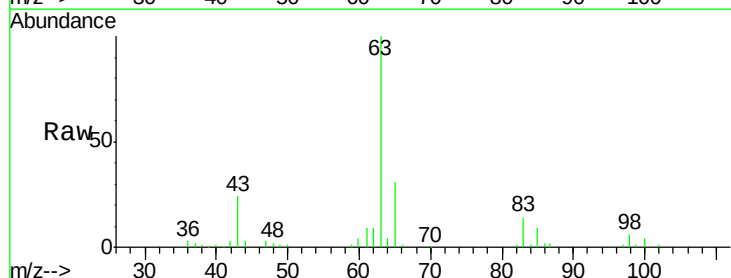
Instrument :
 MSVOA_N
 ClientSampleId :

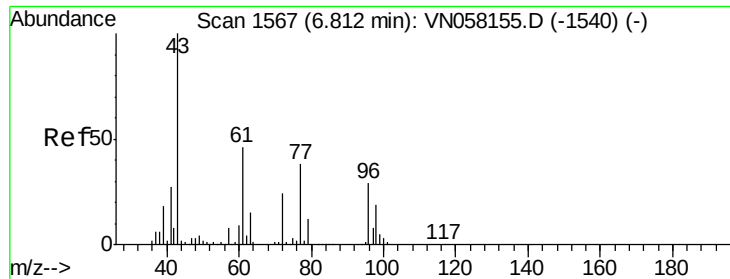
Tot Ion: 43 Resp: 1034772
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 18.421 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion: 63 Resp: 150469
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.6
 100 3.8 1.8 5.3

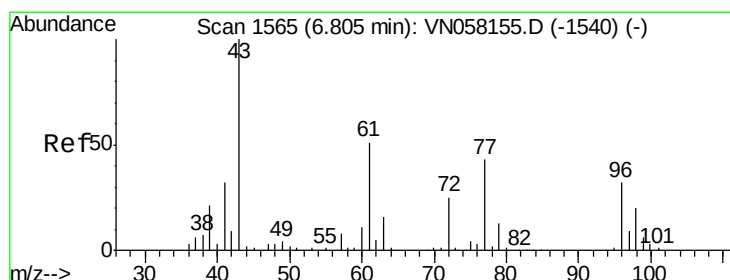
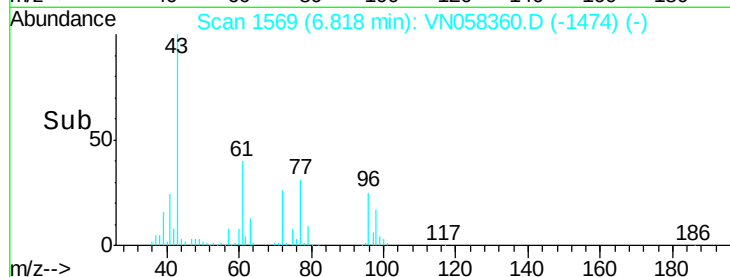
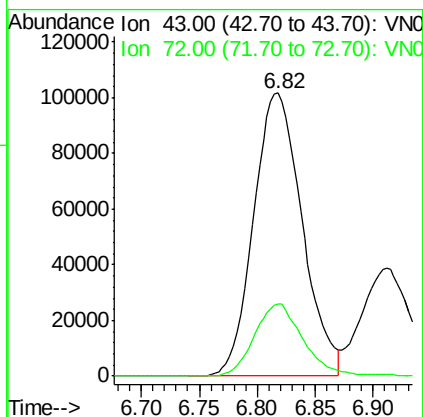
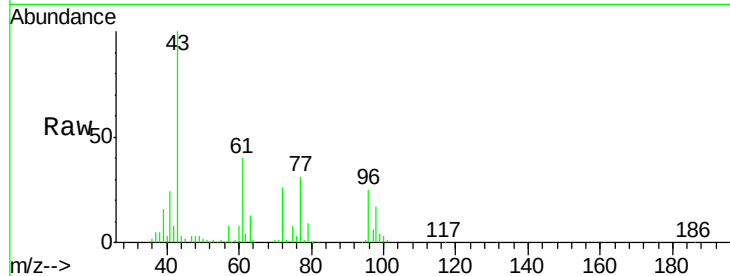




#25
2-Butanone
Concen: 100.559 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

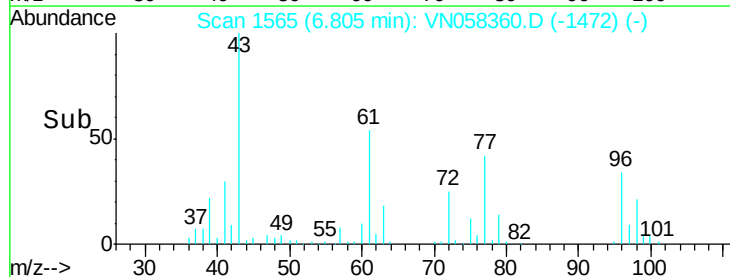
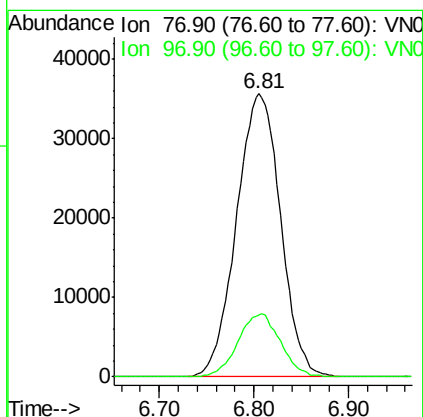
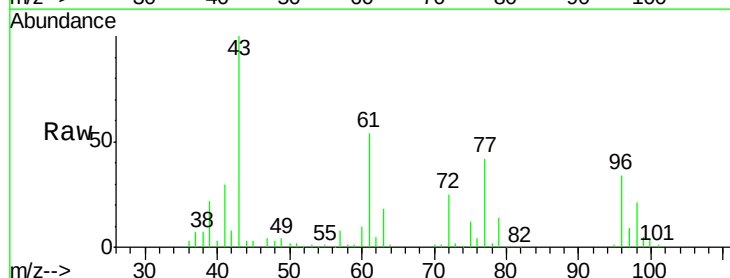
Instrument :
MSVOA_N
ClientSampled :

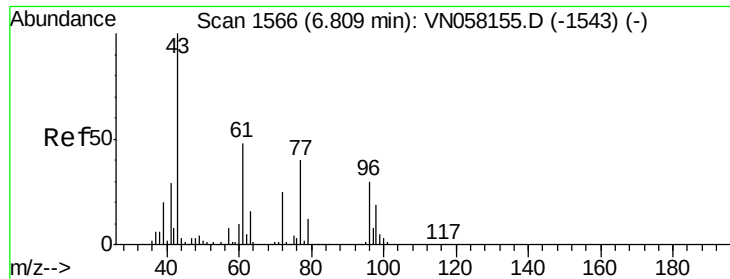
Tot Ion: 43 Resp: 295000
Ion Ratio Lower Upper
43 100
72 25.8 19.5 29.3



#26
2,2-Dichloropropane
Concen: 16.617 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion: 77 Resp: 115155
Ion Ratio Lower Upper
77 100
97 21.5 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 18.498 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampled :

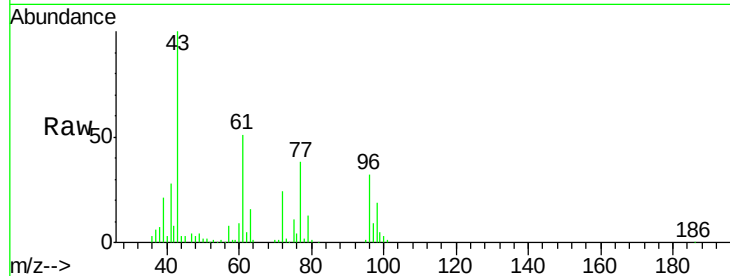
Tot Ion: 96 Resp: 85437

Ion Ratio Lower Upper

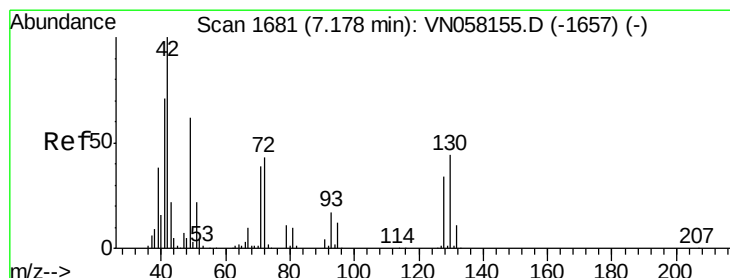
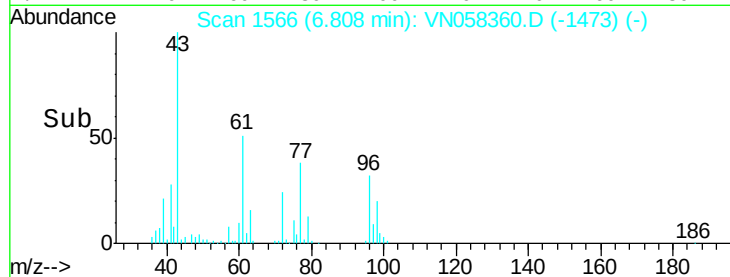
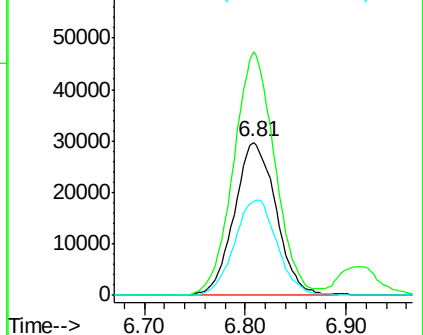
96 100

61 158.3 0.0 319.0

98 63.4 0.0 126.6



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: 21.433 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

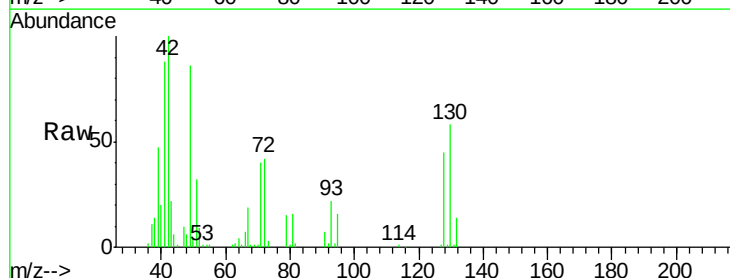
Tgt Ion: 49 Resp: 82822

Ion Ratio Lower Upper

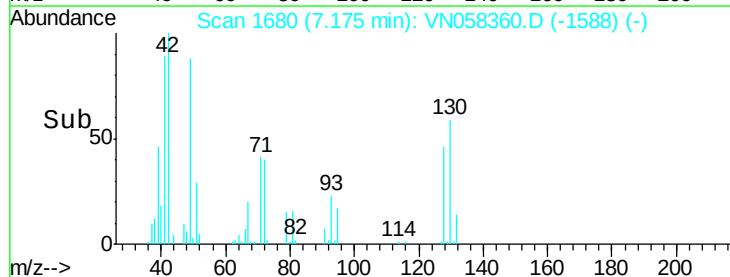
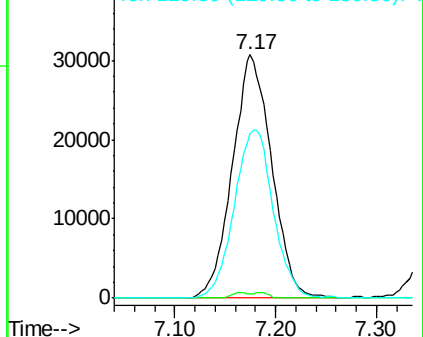
49 100

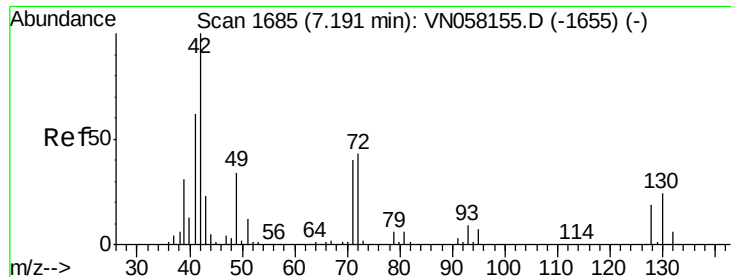
129 0.8 0.0 1.8

130 68.7 55.4 83.2



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

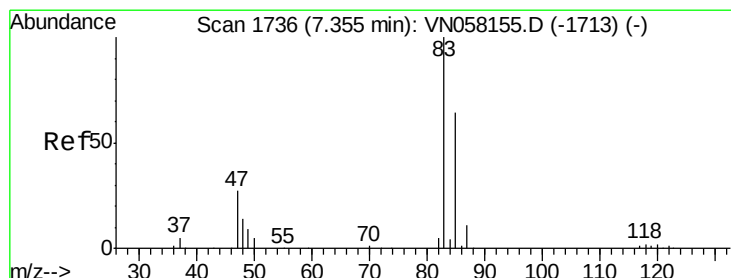
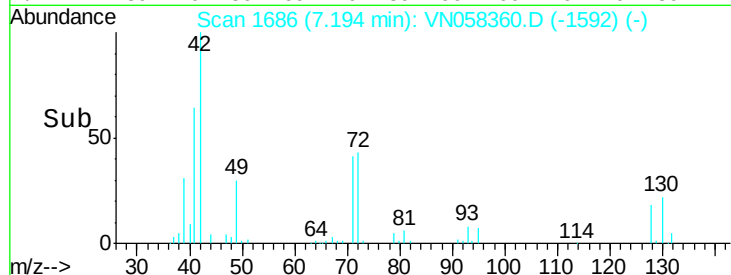
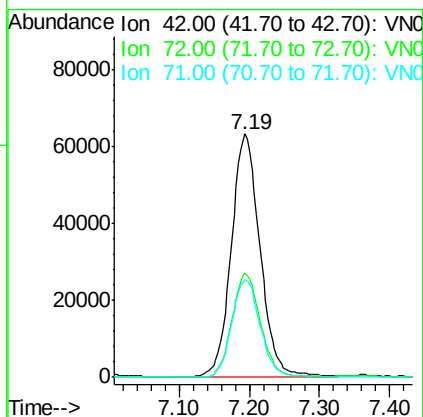
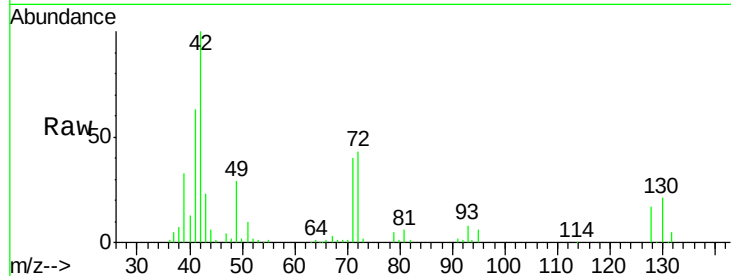




#29
Tetrahydrofuran
Concen: 100.425 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

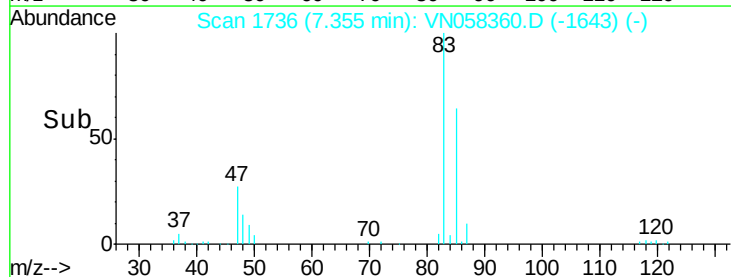
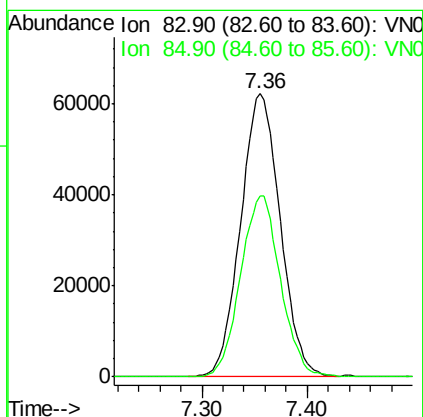
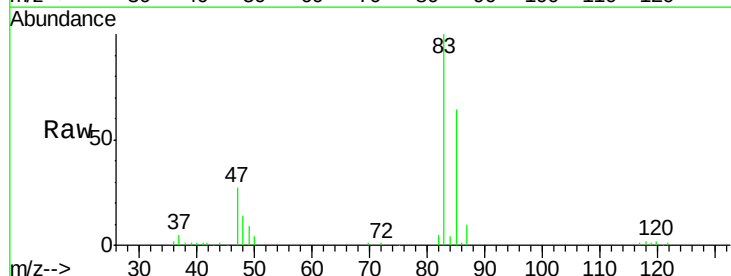
Instrument :
MSVOA_N
ClientSampled :

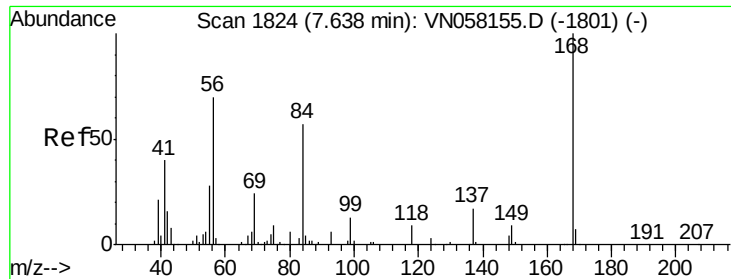
Tot Ion: 42 Resp: 181469
Ion Ratio Lower Upper
42 100
72 42.0 33.8 50.6
71 39.6 31.4 47.0



#30
Chloroform
Concen: 18.513 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion: 83 Resp: 162782
Ion Ratio Lower Upper
83 100
85 64.0 51.4 77.2

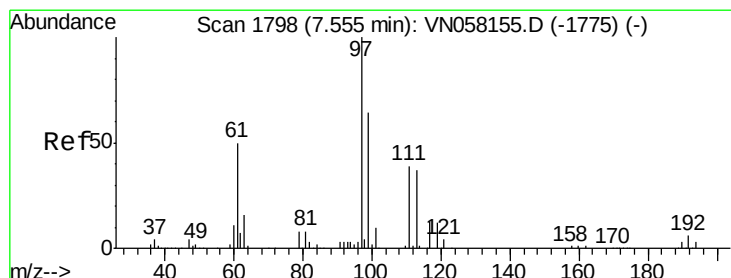
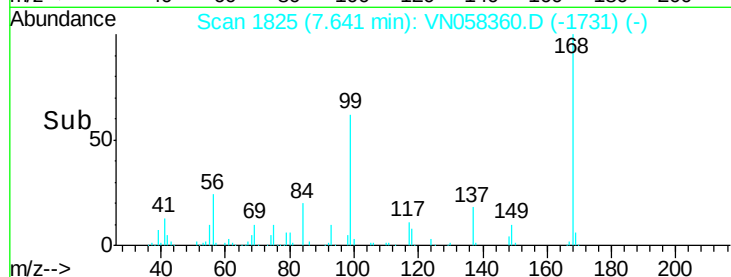
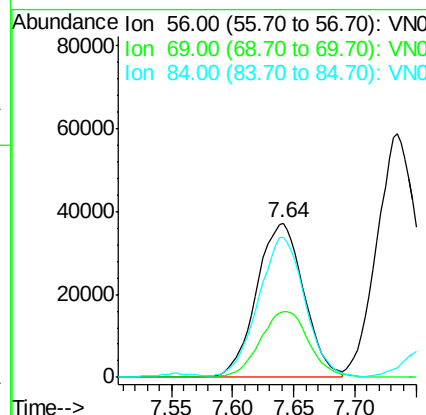
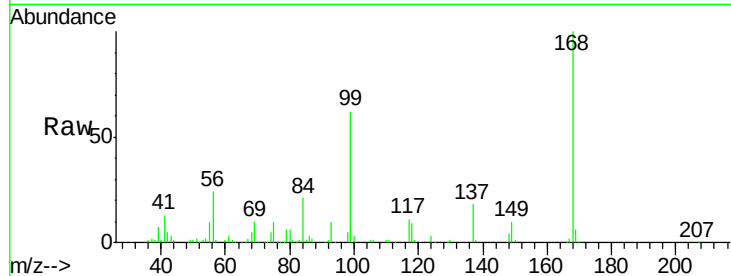




#31
Cyclohexane
Concen: 17.396 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

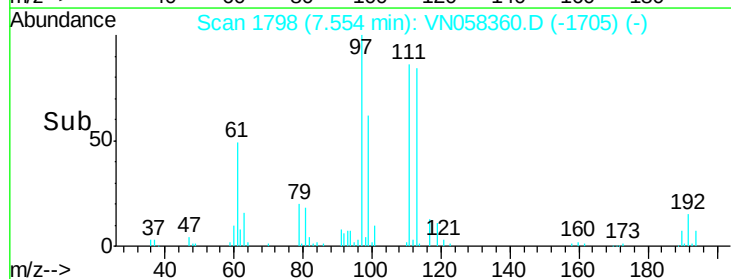
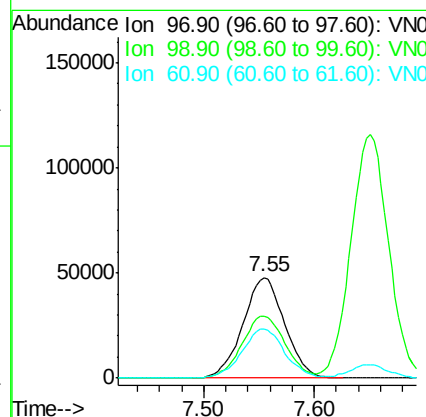
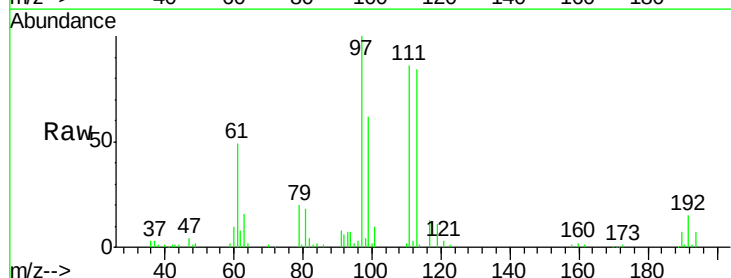
Instrument :
MSVOA_N
ClientSampled :

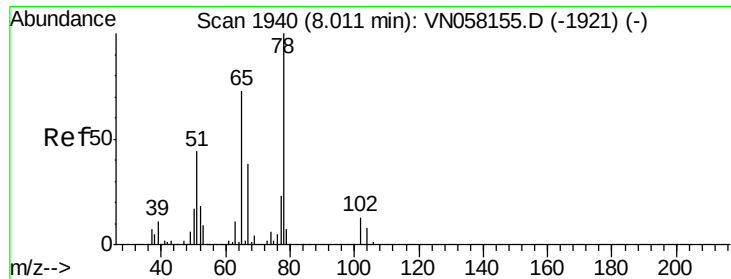
Tot Ion: 56 Resp: 100164
Ion Ratio Lower Upper
56 100
69 42.2 27.3 40.9#
84 88.6 65.0 97.4



#32
1,1,1-Trichloroethane
Concen: 18.704 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion: 97 Resp: 125198
Ion Ratio Lower Upper
97 100
99 64.0 50.9 76.3
61 50.2 39.2 58.8

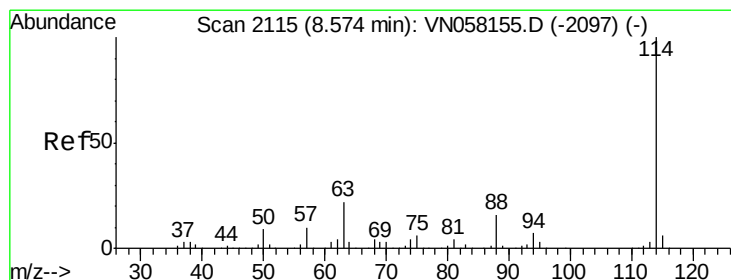
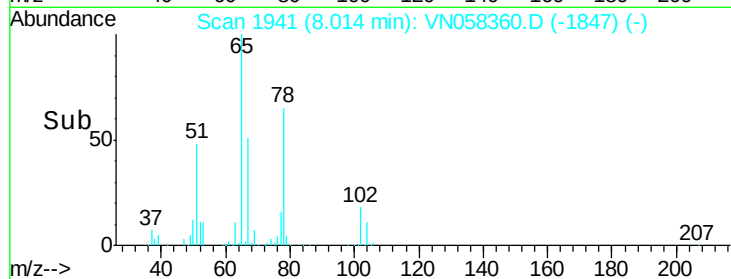
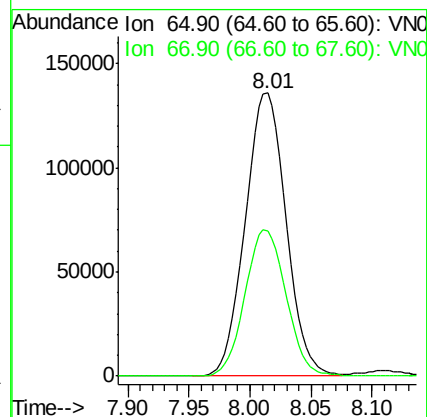
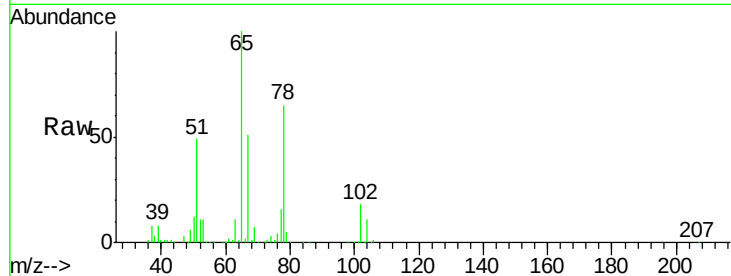




#33
 1,2-Dichloroethane-d4
 Concen: 49.603 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

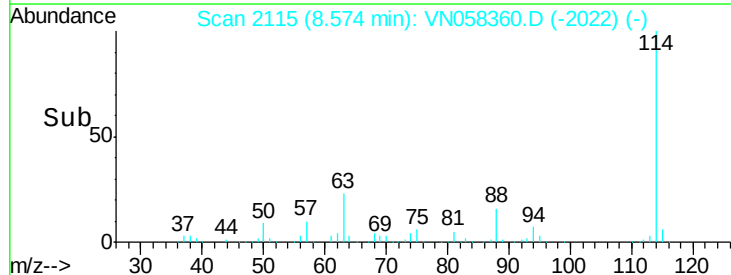
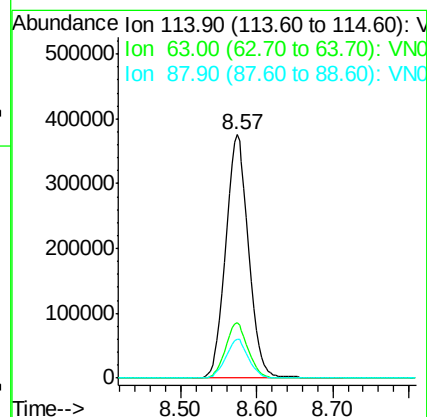
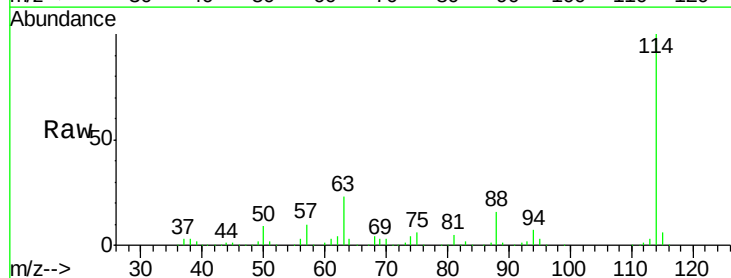
Instrument :
 MSVOA_N
 ClientSampleId :

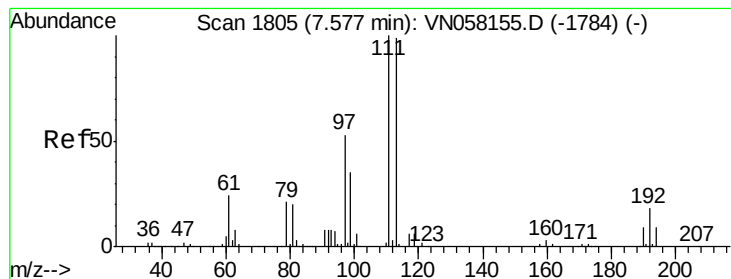
Tot Ion: 65 Resp: 314664
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion: 114 Resp: 785313
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.2
 88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.046 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

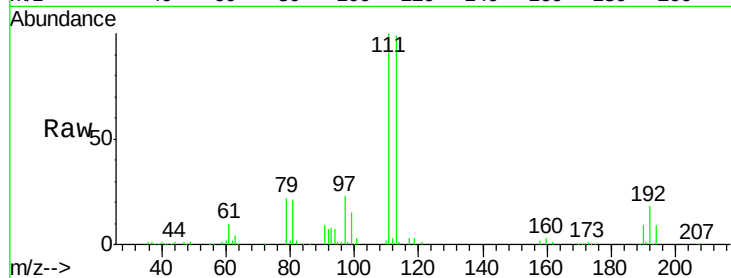
Tot Ion:113 Resp: 224601

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.6

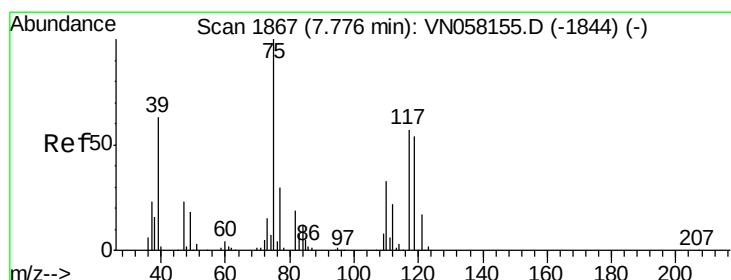
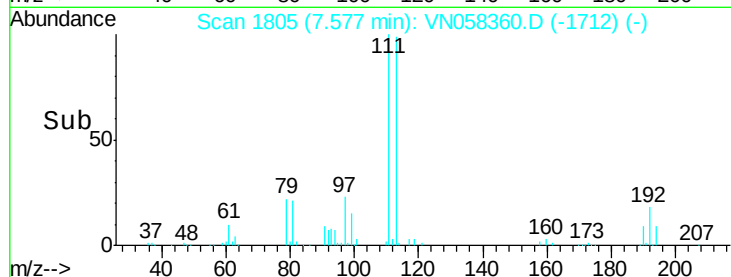
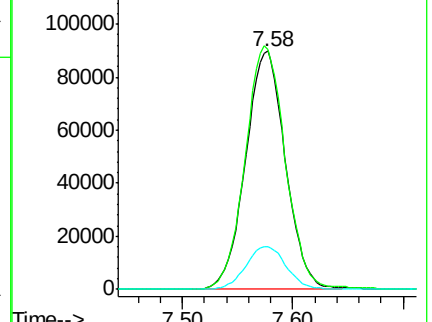
192 18.4 14.5 21.7



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: 16.474 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

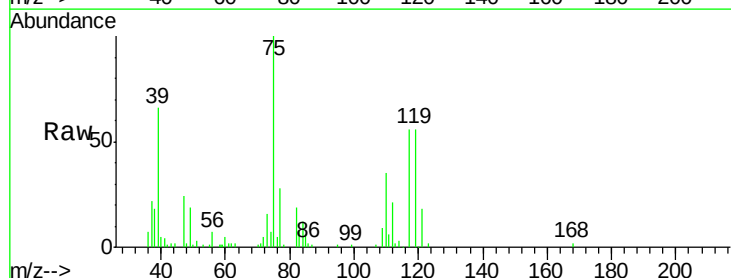
Tgt Ion: 75 Resp: 93299

Ion Ratio Lower Upper

75 100

110 32.2 16.6 49.7

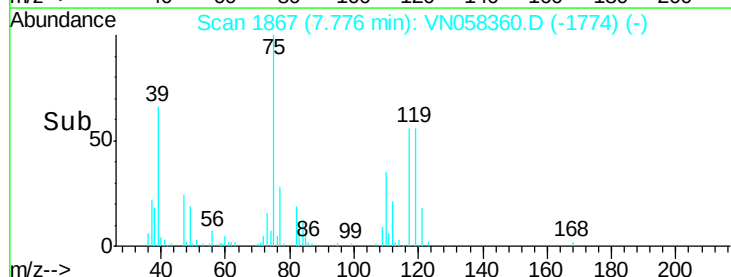
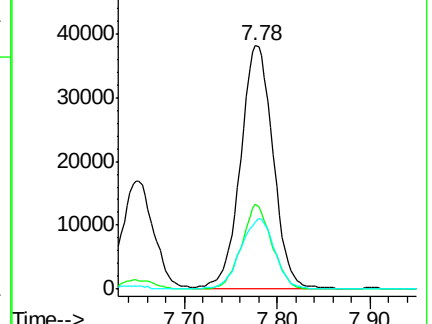
77 30.2 24.3 36.5

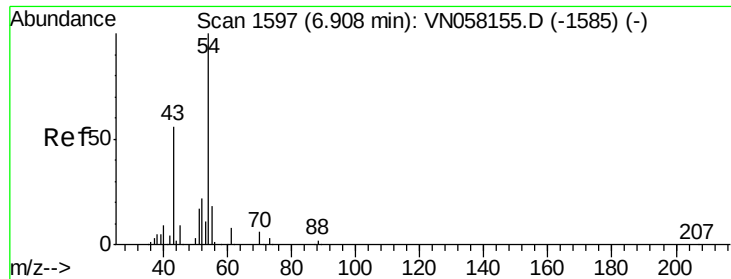


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

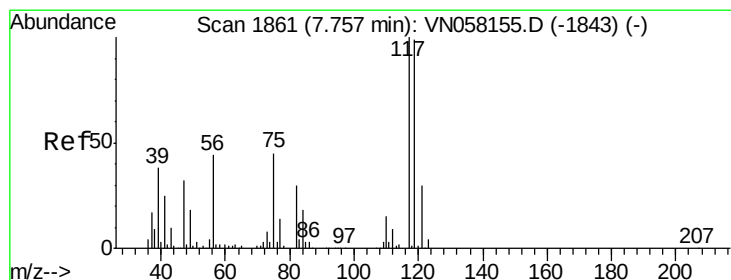
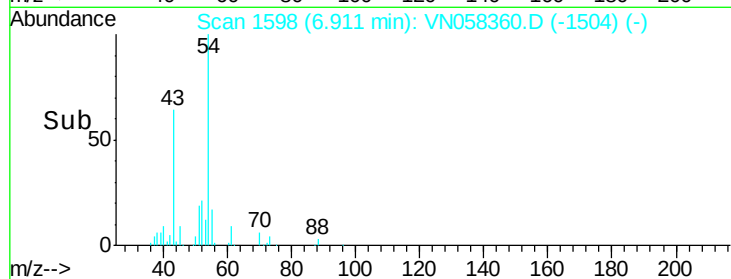
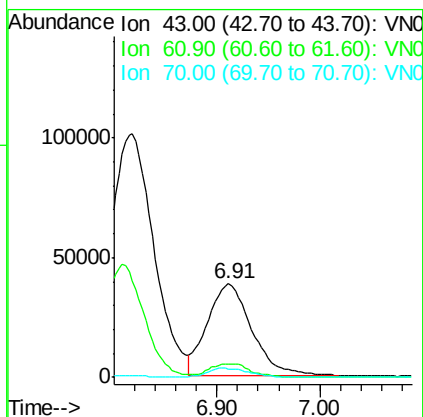
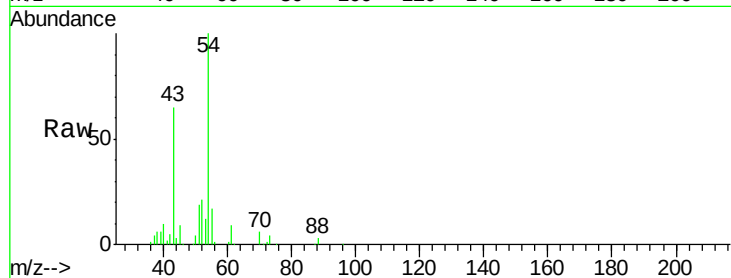




#37
Ethyl Acetate
Concen: 19.487 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

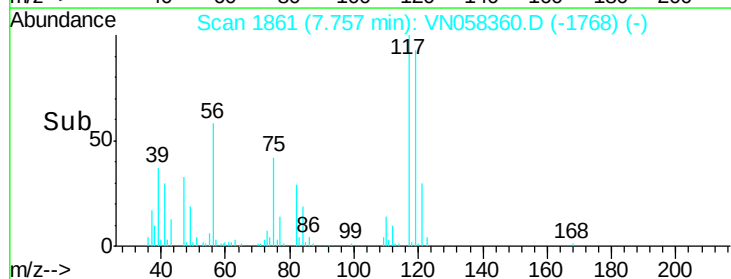
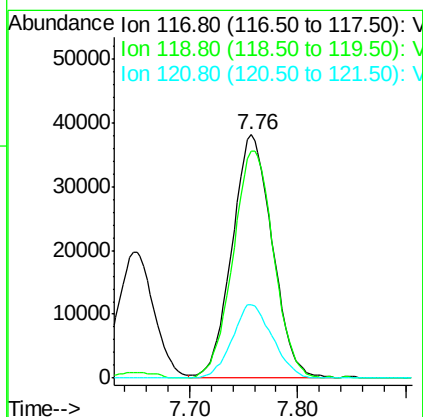
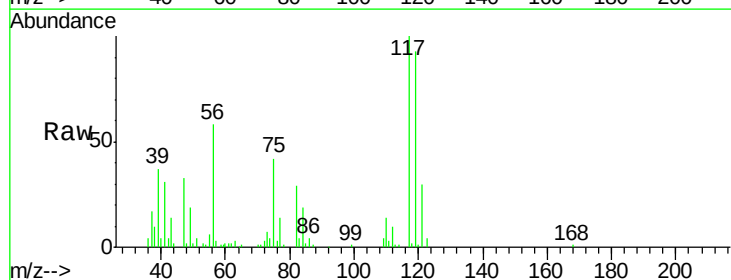
Instrument :
MSVOA_N
ClientSampled :

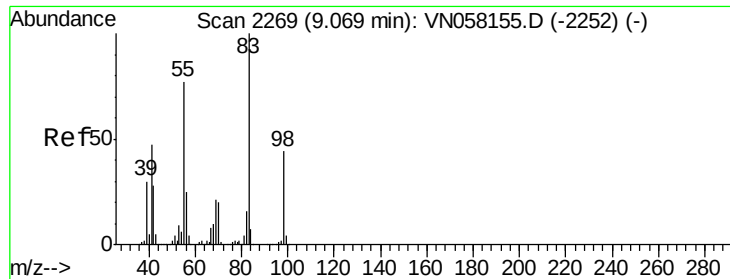
Tot Ion: 43 Resp: 114532
Ion Ratio Lower Upper
43 100
61 12.9 10.7 16.1
70 9.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 17.420 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion: 117 Resp: 99170
Ion Ratio Lower Upper
117 100
119 93.0 78.6 117.8
121 30.2 24.1 36.1

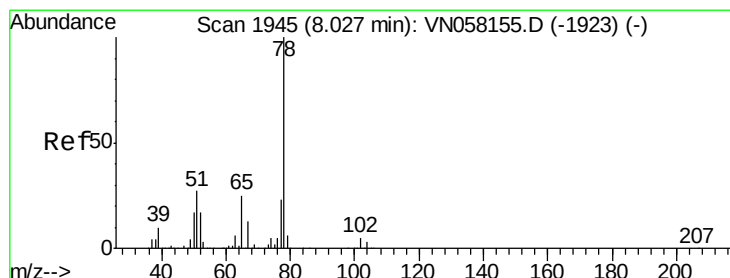
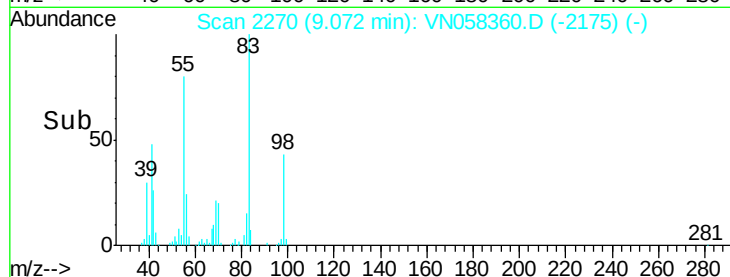
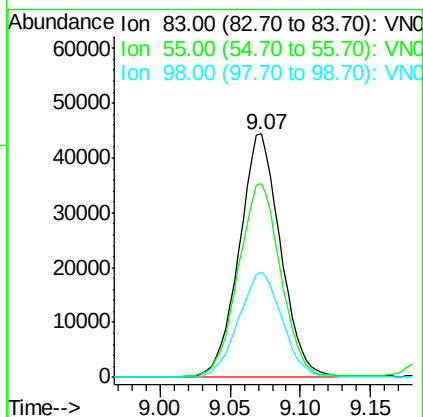
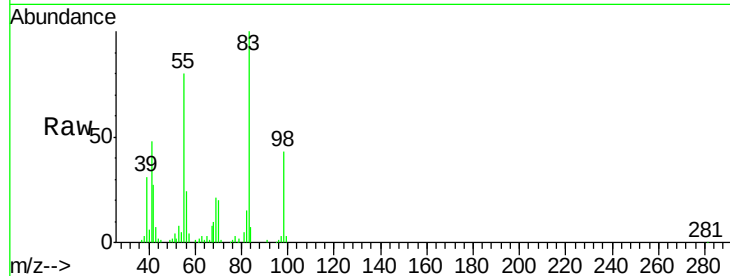




#39
Methylvlcyclohexane
Concen: 16.654 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

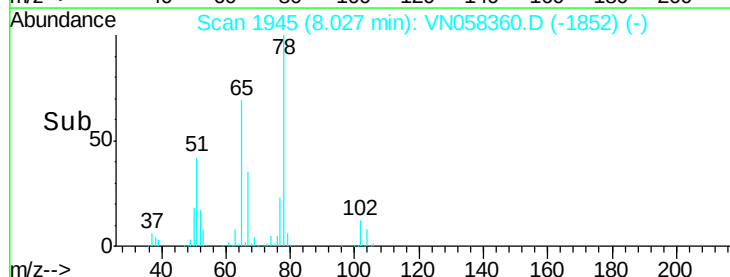
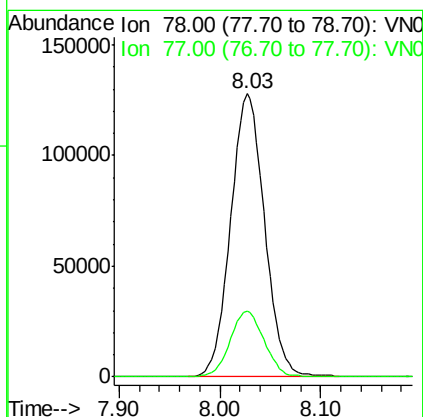
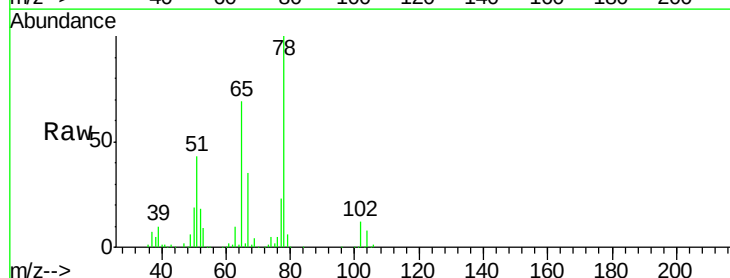
Instrument :
MSVOA_N
ClientSampleId :

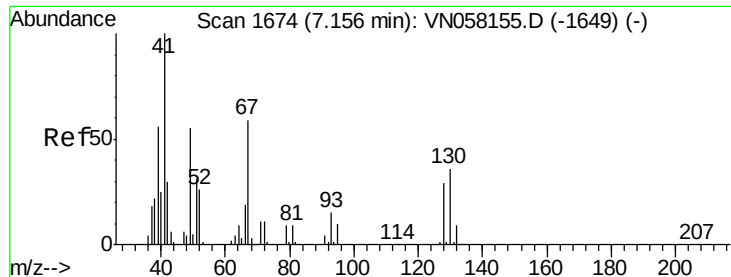
Tot Ion: 83 Resp: 90933
Ion Ratio Lower Upper
83 100
55 79.1 61.9 92.9
98 43.4 35.4 53.2



#40
Benzene
Concen: 17.289 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion: 78 Resp: 299051
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

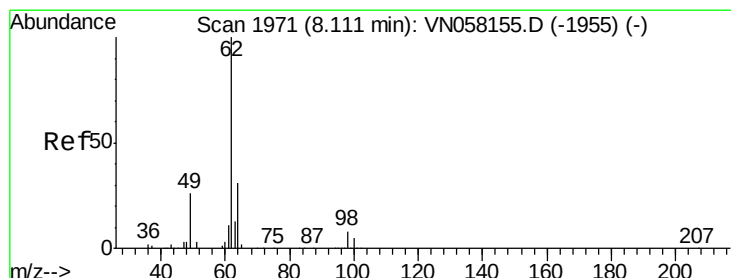
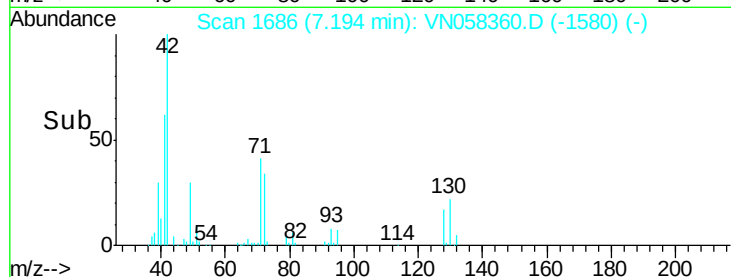
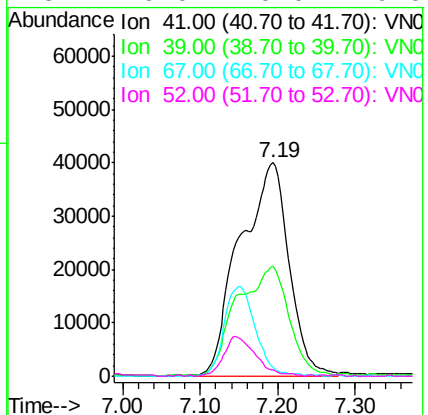
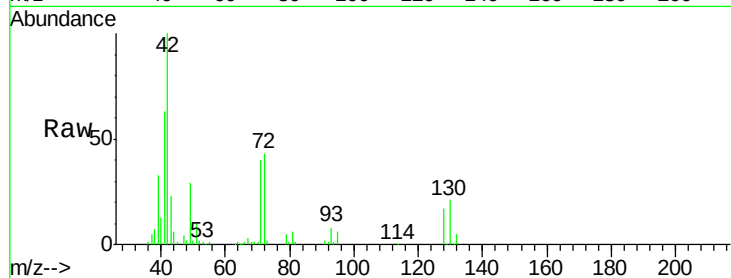




#41
Methacrylonitrile
Concen: 59.358 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

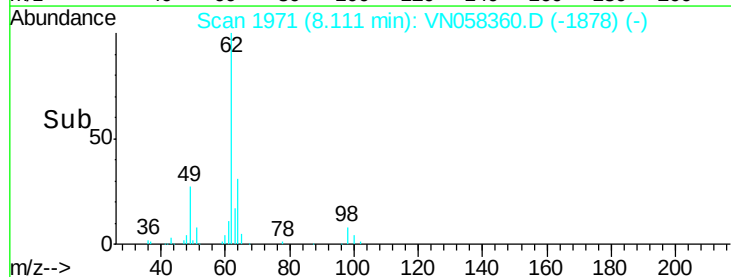
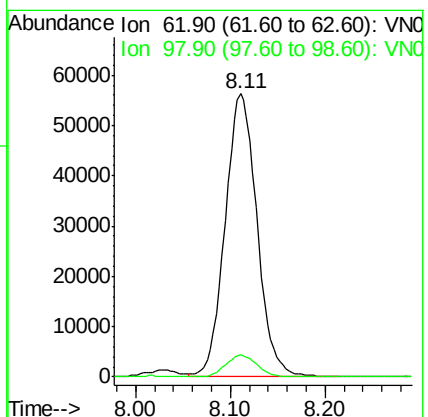
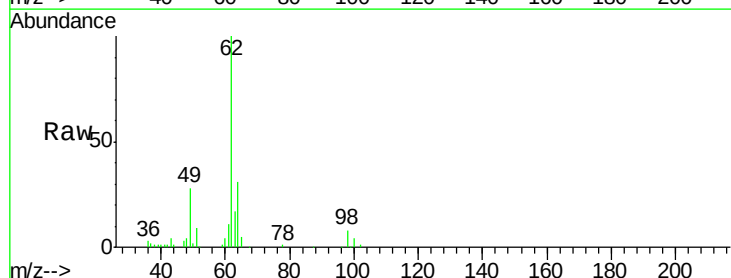
Instrument :
MSVOA_N
ClientSampled :

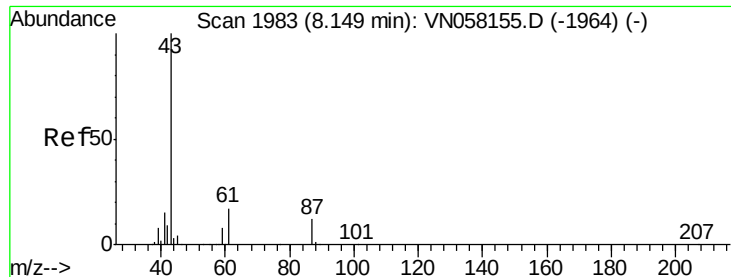
Tot Ion: 41 Resp: 176262
Ion Ratio Lower Upper
41 100
39 53.3 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 18.199 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion: 62 Resp: 132093
Ion Ratio Lower Upper
62 100
98 7.5 0.0 15.6





#43

Isopropyl Acetate

Concen: 18.186 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

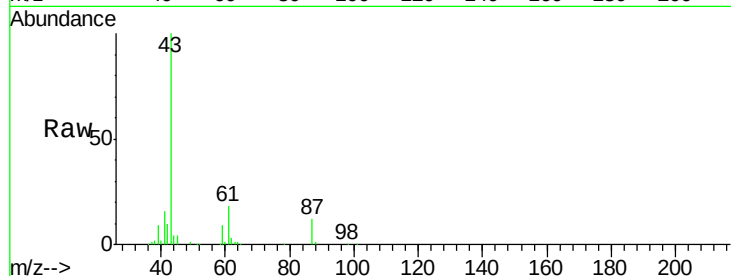
Tot Ion: 43 Resp: 199619

Ion Ratio Lower Upper

43 100

61 18.2 19.7 29.5#

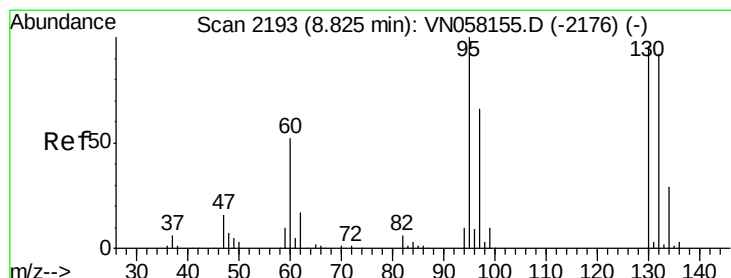
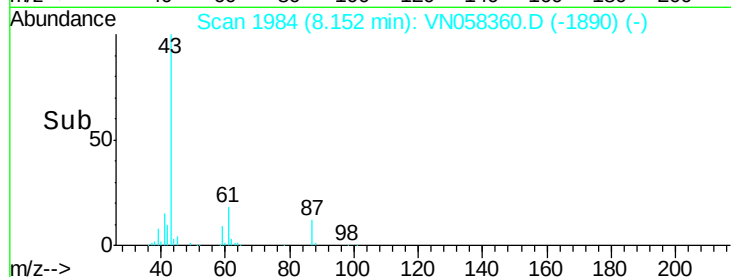
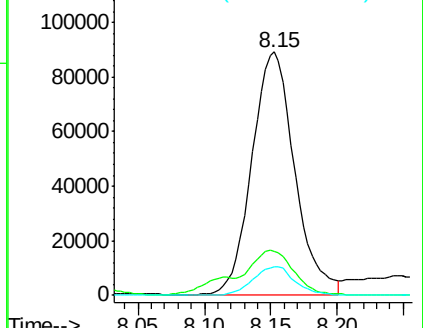
87 11.7 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)



#44

Trichloroethene

Concen: 17.617 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058360.D

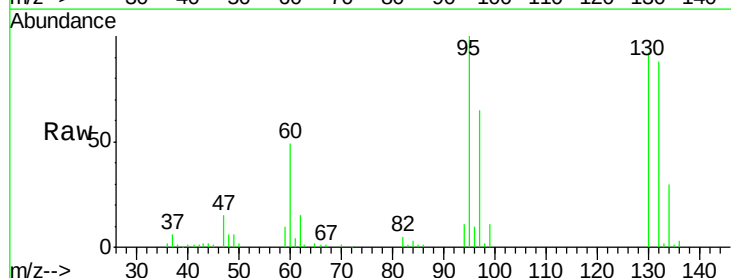
Acq: 25 Sep 2019 12:36

Tgt Ion: 130 Resp: 74571

Ion Ratio Lower Upper

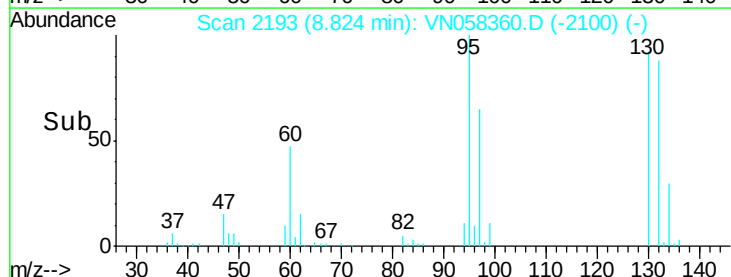
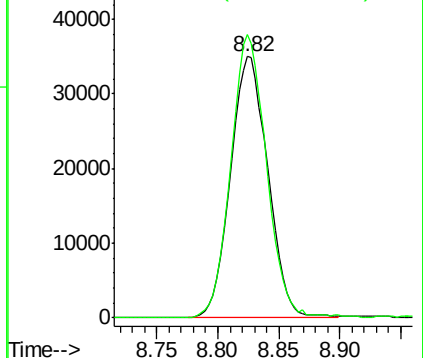
130 100

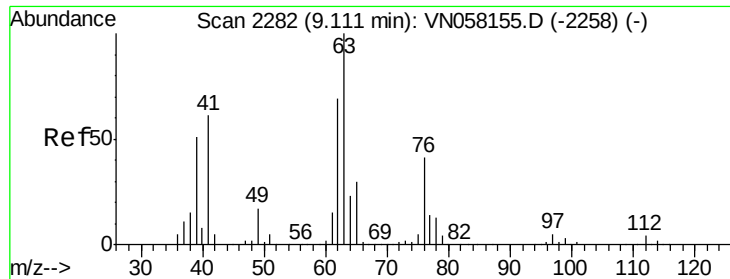
95 108.3 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)

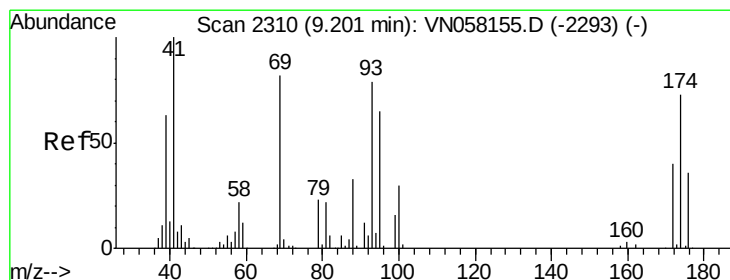
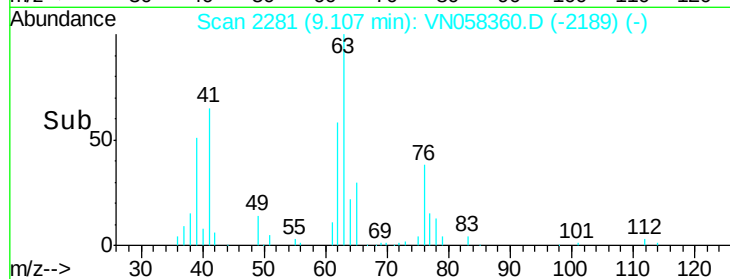
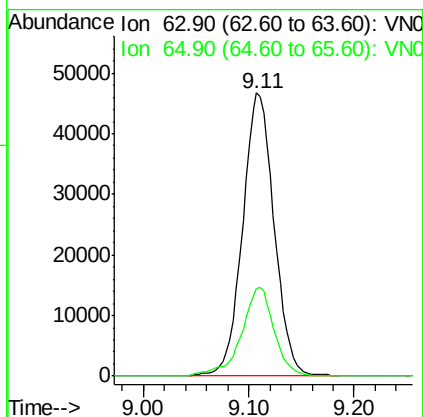
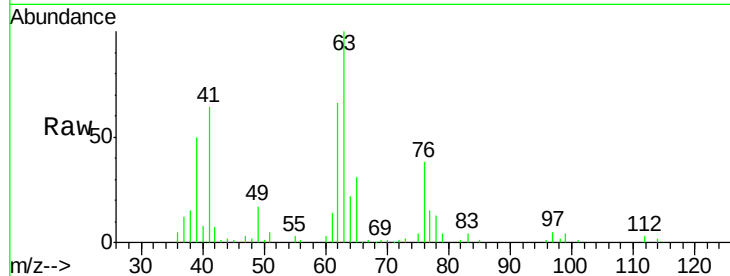




#45
 1,2-Dichloropropane
 Concen: 18.772 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

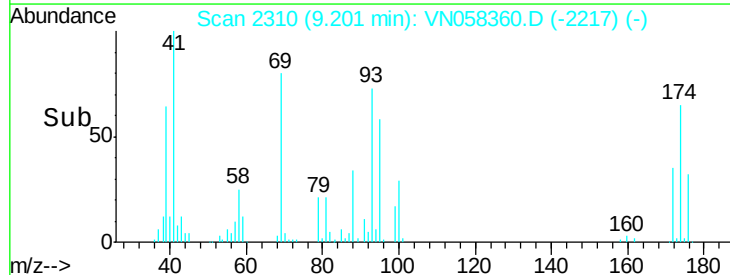
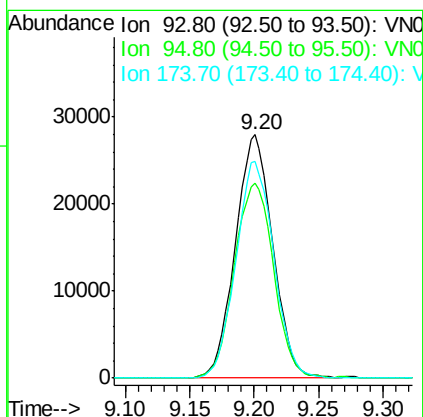
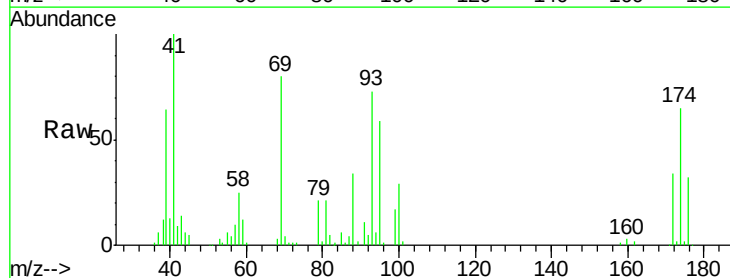
Instrument :
 MSVOA_N
 ClientSampled :

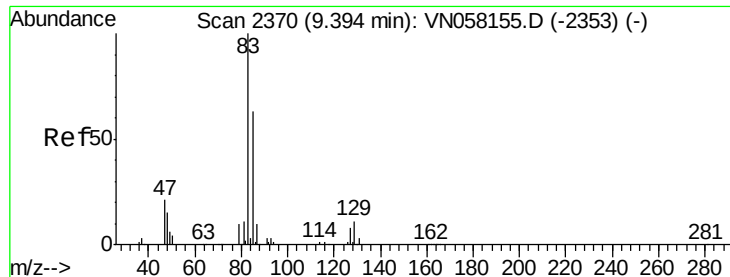
Tot Ion: 63 Resp: 96970
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.8 35.6



#46
 Dibromomethane
 Concen: 17.983 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion: 93 Resp: 56480
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.8 100.2
 174 90.4 73.8 110.8





#47

Bromodichloromethane

Concen: 18.575 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

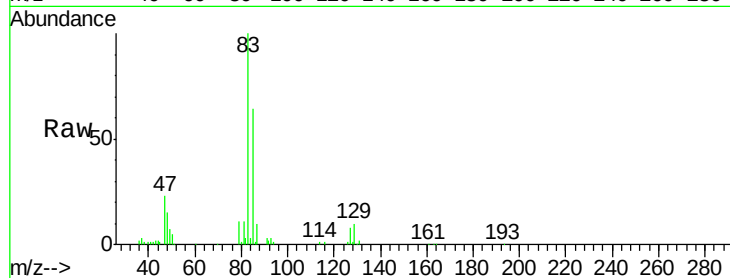
Tot Ion: 83 Resp: 122217

Ion Ratio Lower Upper

83 100

85 64.4 50.1 75.1

127 8.3 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN058360.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058360.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058360.D (-2277) (-)

9.39

60000

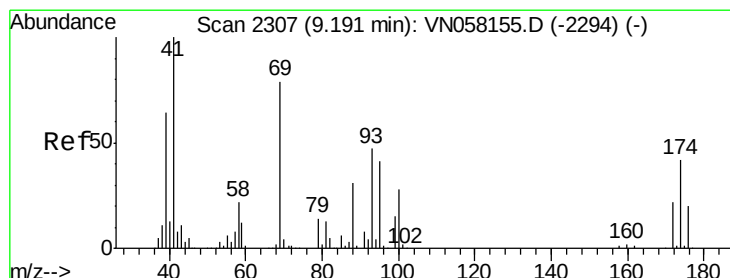
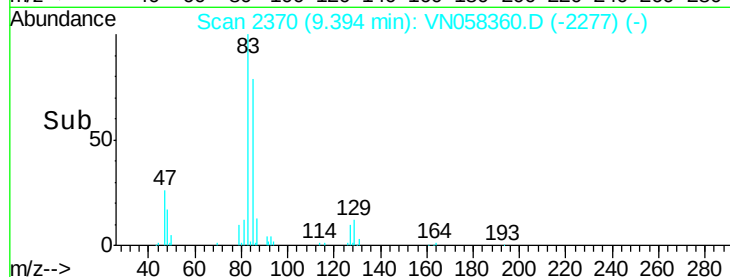
40000

20000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#48

Methyl methacrylate

Concen: 18.868 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

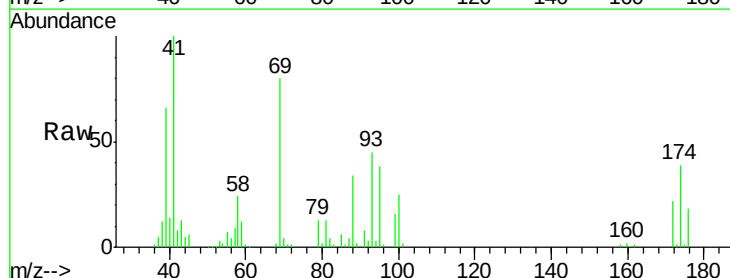
Tgt Ion: 41 Resp: 94035

Ion Ratio Lower Upper

41 100

69 80.1 62.5 93.7

39 66.3 52.3 78.5



Abundance Ion 41.00 (40.70 to 41.70): VN058360.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058360.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058360.D (-2214) (-)

9.19

60000

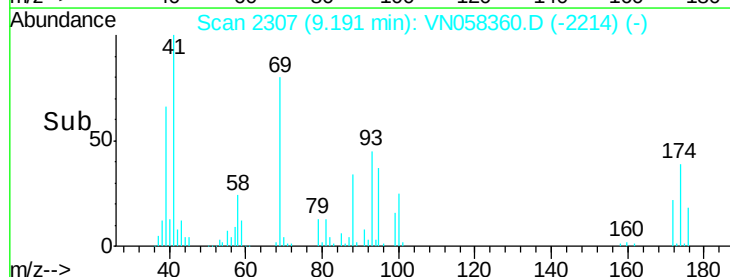
40000

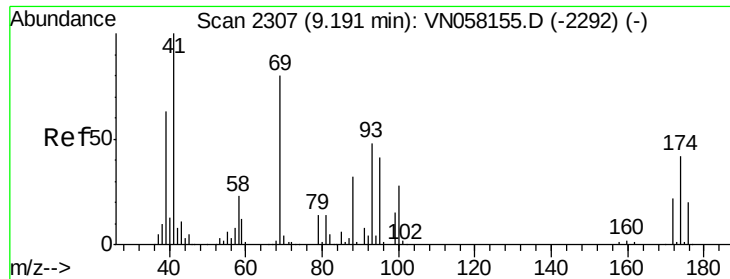
20000

0

9.15 9.20 9.25

Time-->

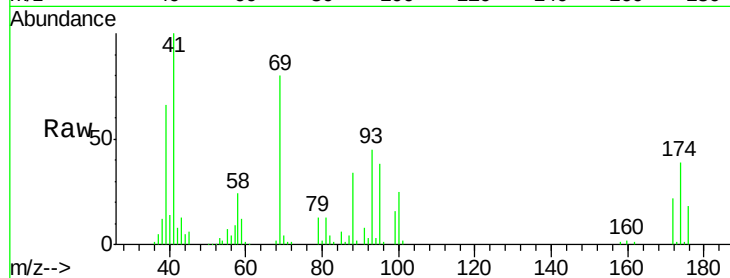




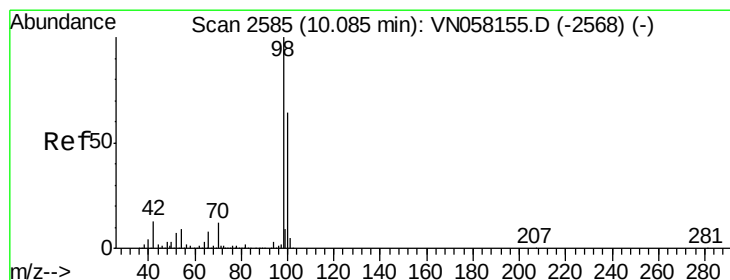
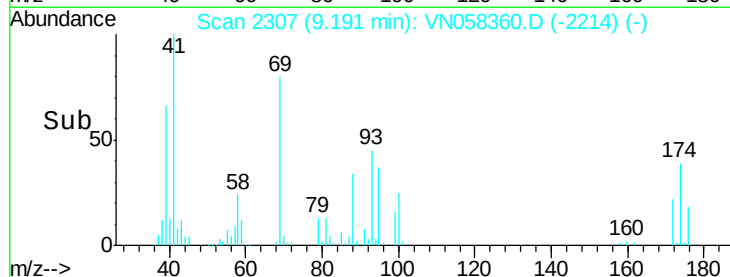
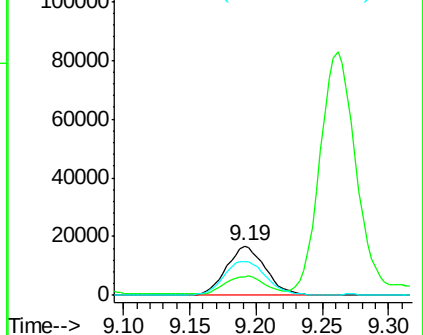
#49
 1,4-Dioxane
 Concen: 420.221 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 34384
 Ion Ratio Lower Upper
 88 100
 43 37.5 27.8 41.8
 58 75.0 55.0 82.4

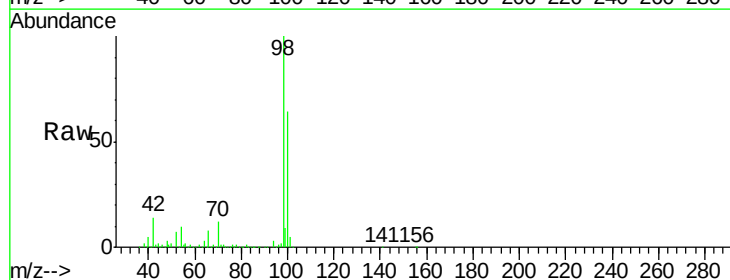


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

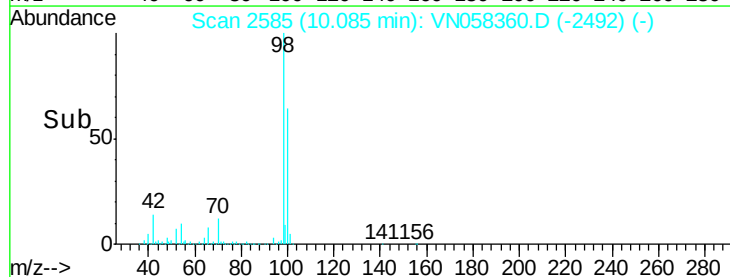
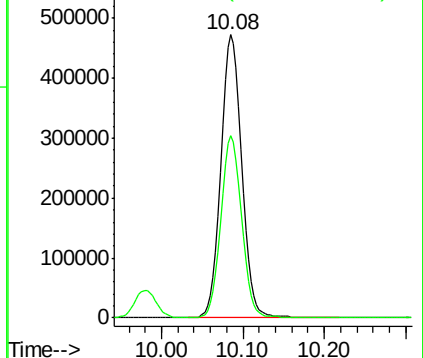


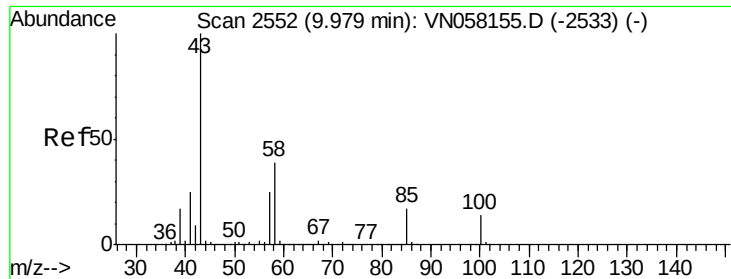
#50
 Toluene-d8
 Concen: 46.340 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion: 98 Resp: 861960
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.1 76.7



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: 110.034 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

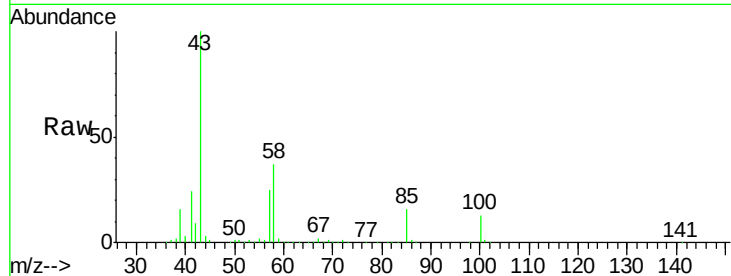
ClientSampled :

Tot Ion: 43 Resp: 641514

Ion Ratio Lower Upper

43 100

58 37.0 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

300000

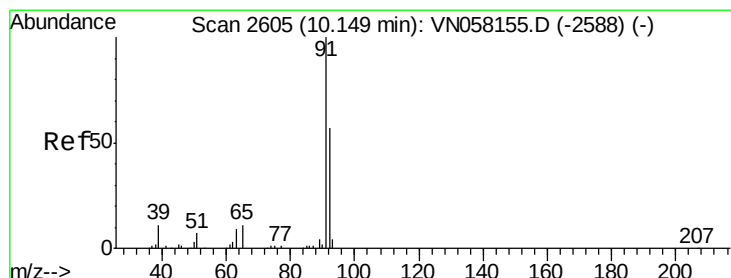
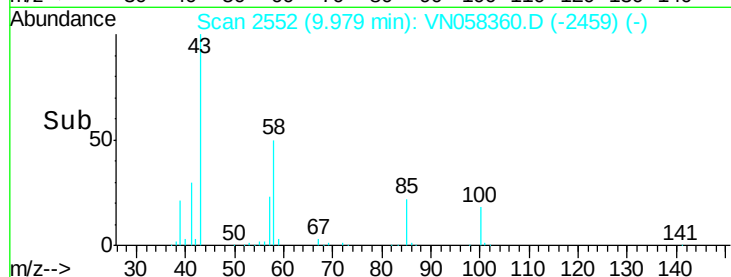
200000

100000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 17.272 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058360.D

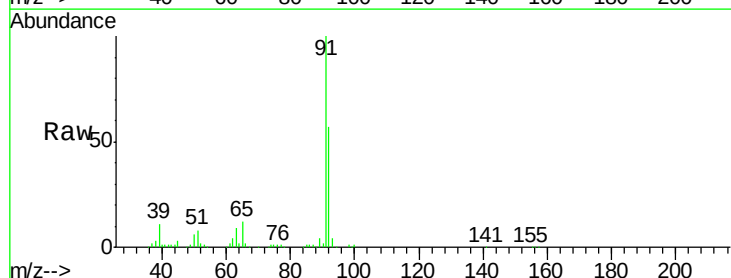
Acq: 25 Sep 2019 12:36

Tgt Ion: 92 Resp: 187240

Ion Ratio Lower Upper

92 100

91 174.9 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

150000

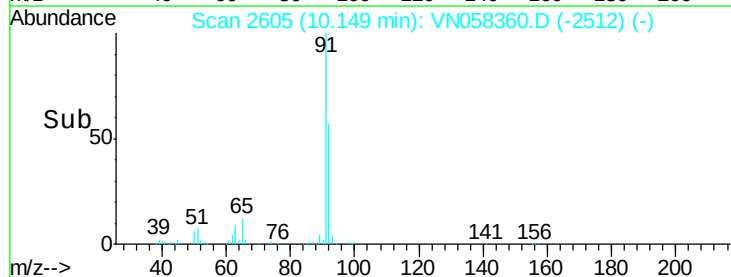
100000

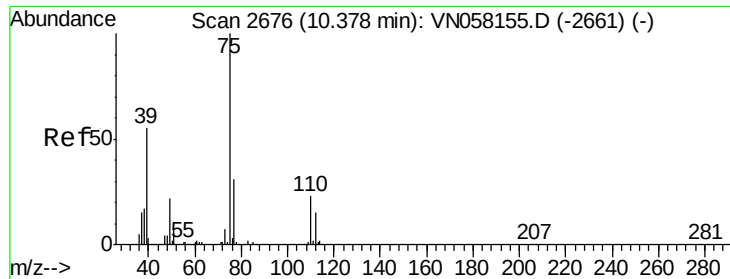
50000

0

10.10 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.683 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

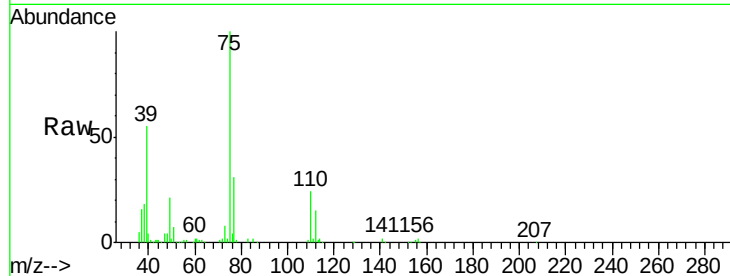
ClientSampleId :

Tot Ion: 75 Resp: 119182

Ion Ratio Lower Upper

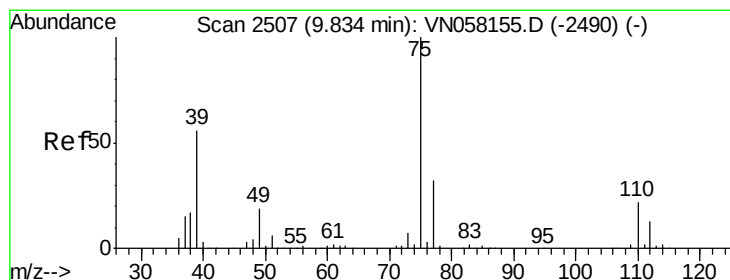
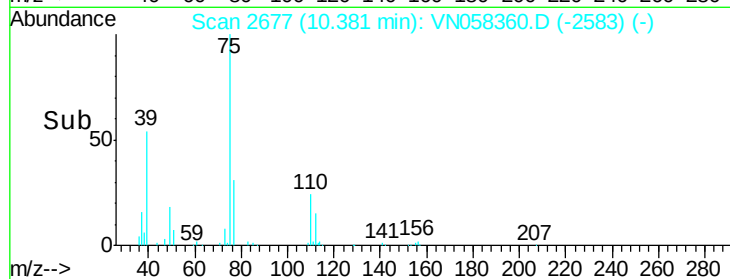
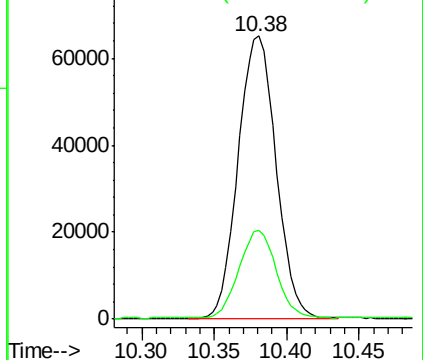
75 100

77 31.0 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.676 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

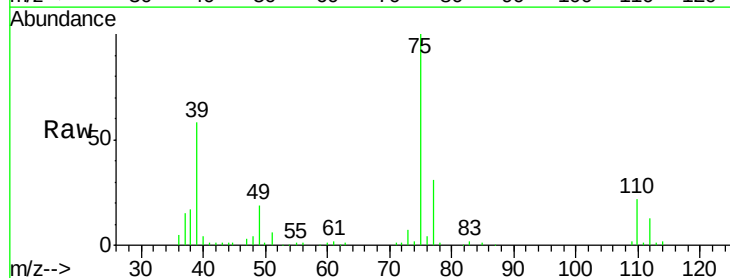
Tgt Ion: 75 Resp: 131534

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

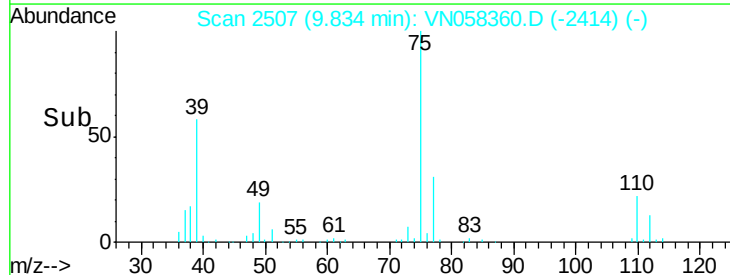
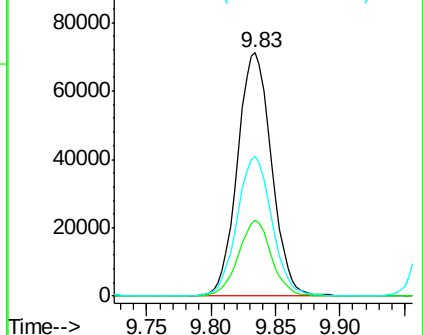
39 57.3 45.0 67.6

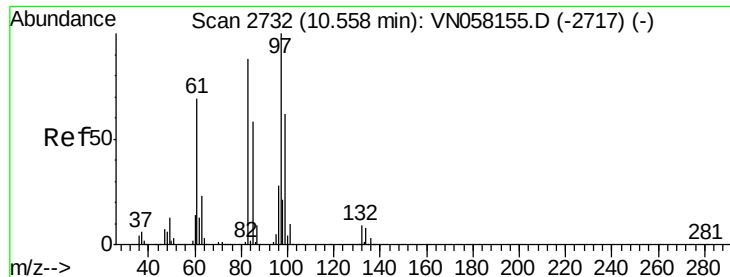


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

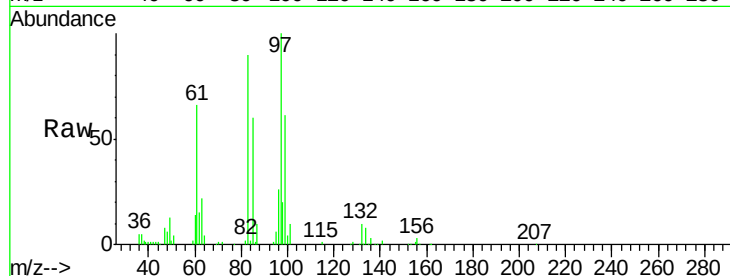




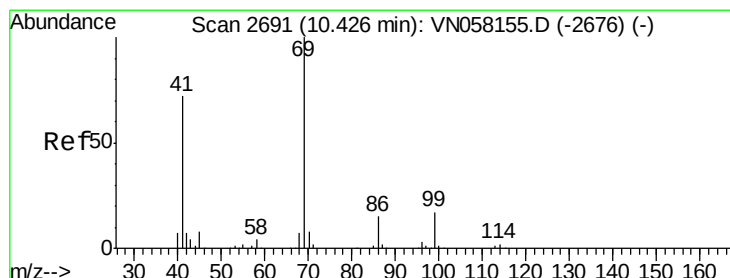
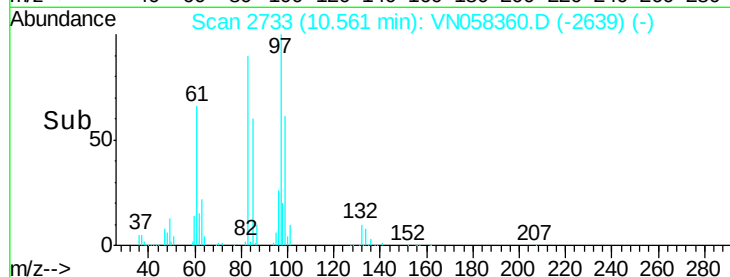
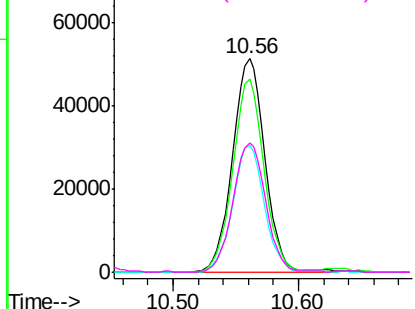
#55
 1,1,2-Trichloroethane
 Concen: 19.187 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 92304
 Ion Ratio Lower Upper
 97 100
 83 90.2 70.4 105.6
 85 59.5 46.8 70.2
 99 60.5 49.9 74.9

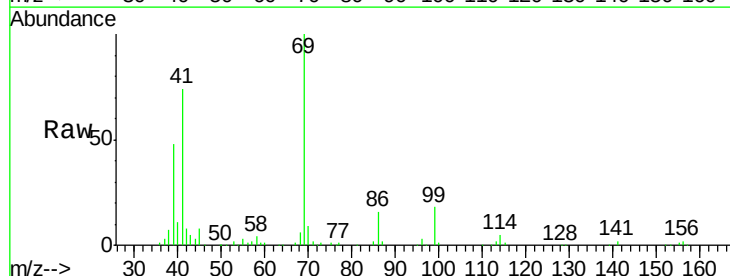


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

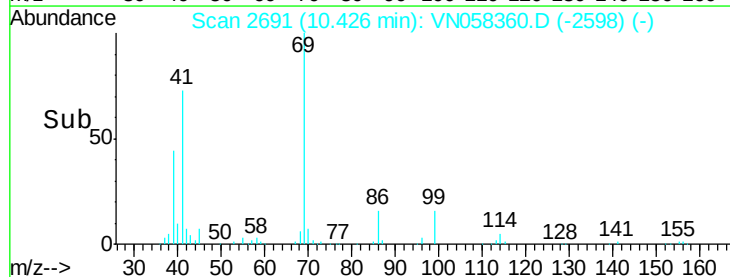
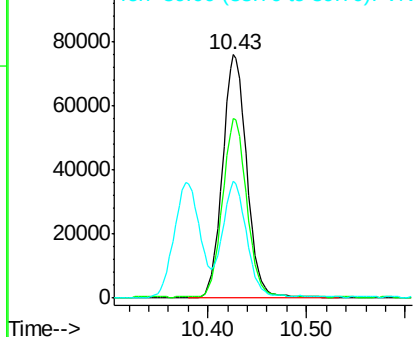


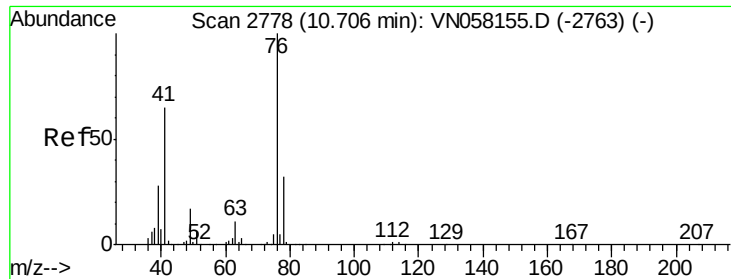
#56
 Ethyl methacrylate
 Concen: 19.005 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion: 69 Resp: 131913
 Ion Ratio Lower Upper
 69 100
 41 72.5 57.5 86.3
 39 46.3 36.1 54.1



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





#57

1,3-Dichloropropane

Concen: 18.709 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

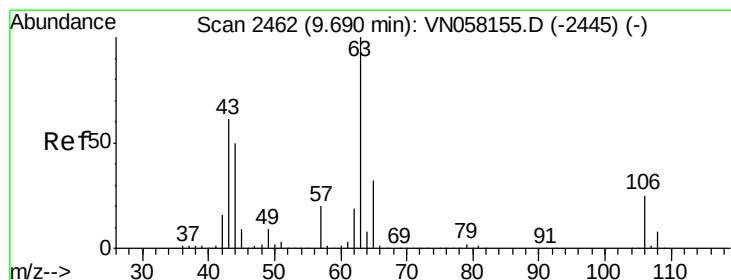
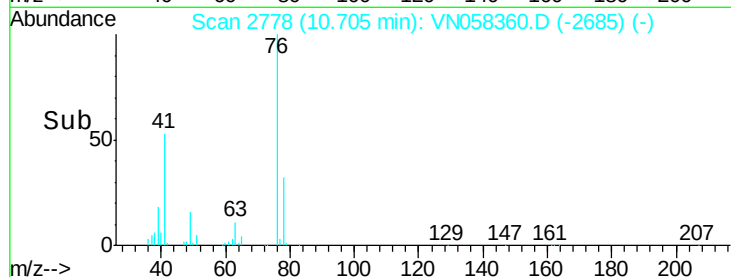
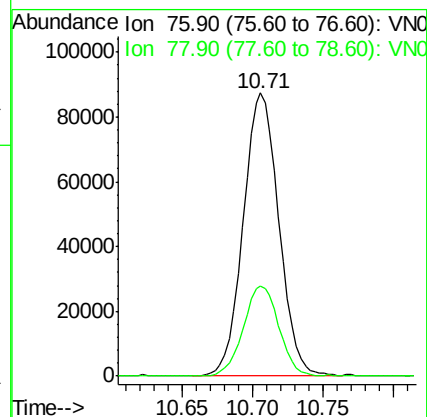
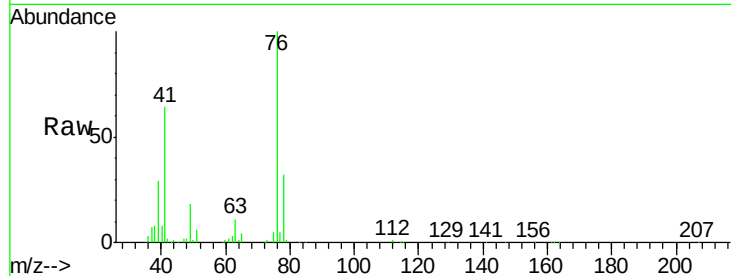
ClientSampleId :

Tot Ion: 76 Resp: 154733

Ion Ratio Lower Upper

76 100

78 31.8 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 101.447 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058360.D

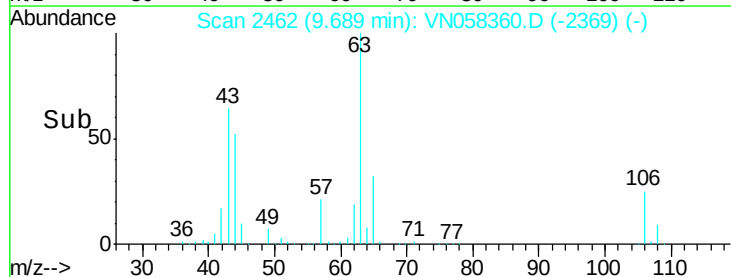
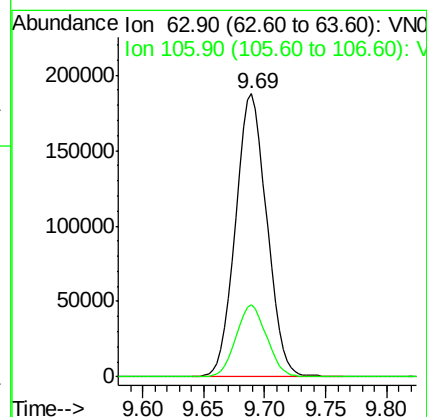
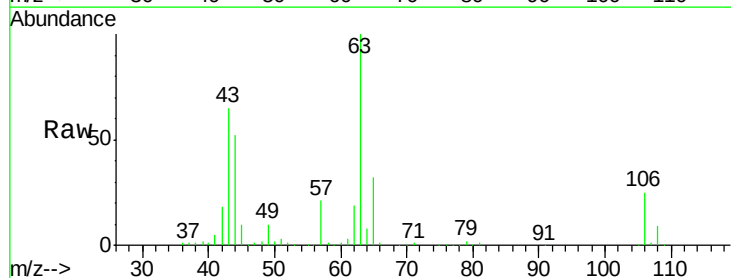
Acq: 25 Sep 2019 12:36

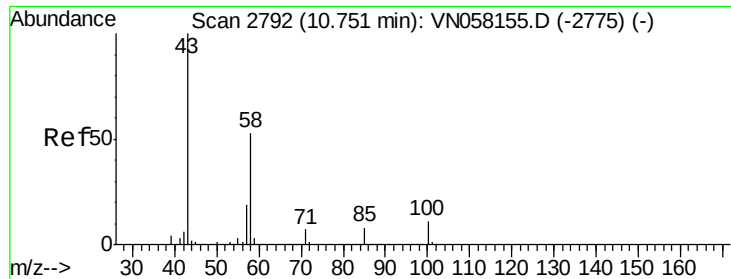
Tgt Ion: 63 Resp: 335408

Ion Ratio Lower Upper

63 100

106 24.9 19.9 29.9

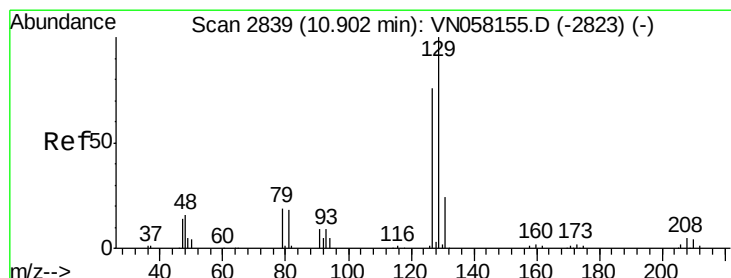
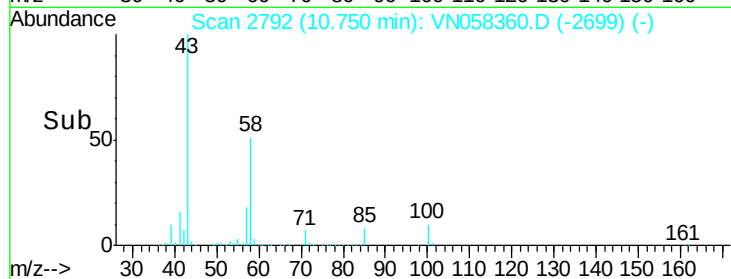
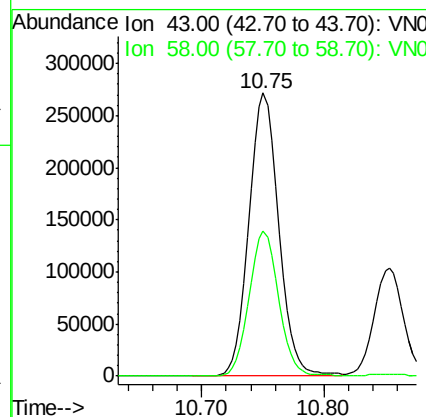
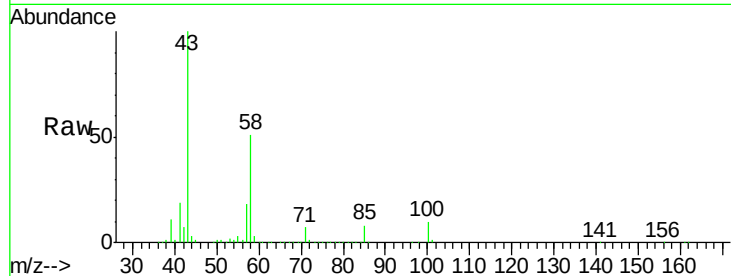




#59
2-Hexanone
Concen: 104.910 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

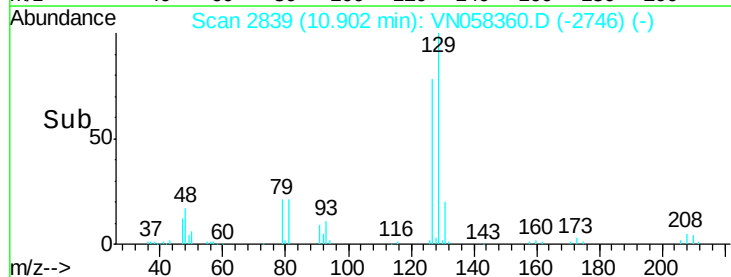
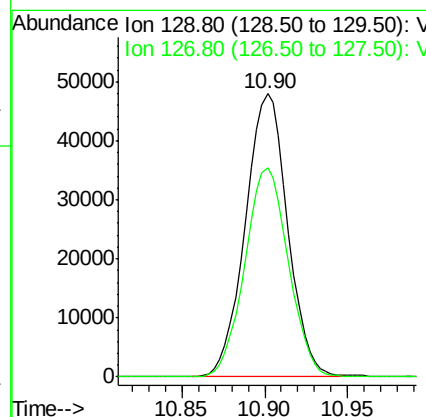
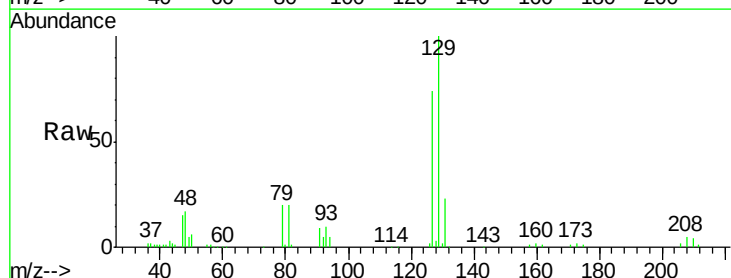
Instrument :
MSVOA_N
ClientSampleId :

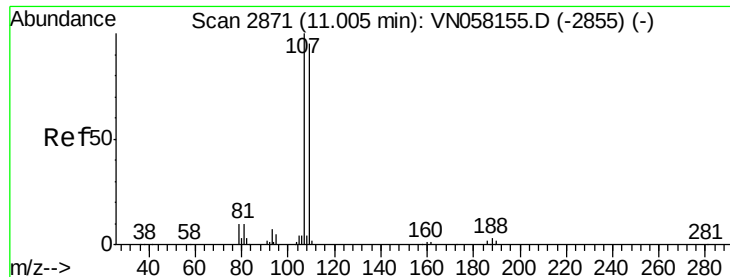
Tot Ion: 43 Resp: 454261
Ion Ratio Lower Upper
43 100
58 51.2 26.0 78.0



#60
Dibromochloromethane
Concen: 18.381 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion: 129 Resp: 85070
Ion Ratio Lower Upper
129 100
127 75.8 38.7 116.1

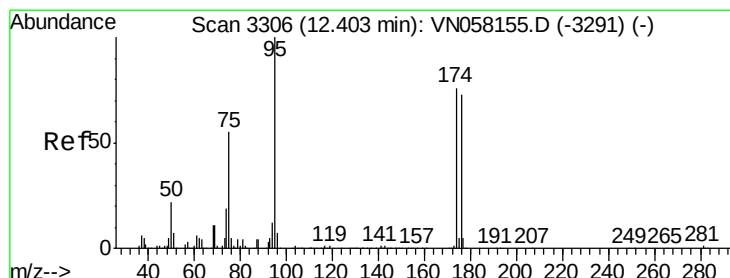
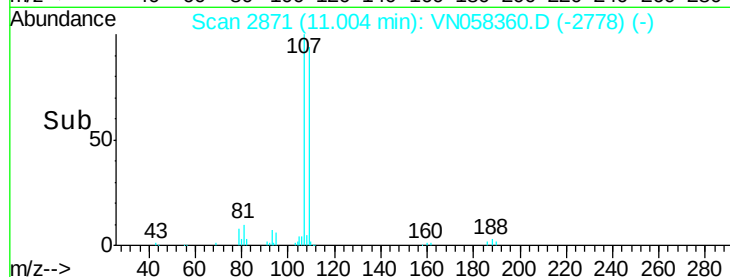
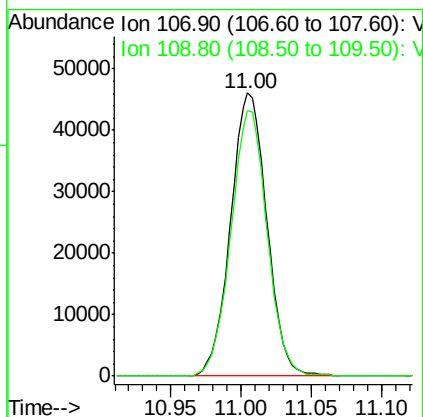
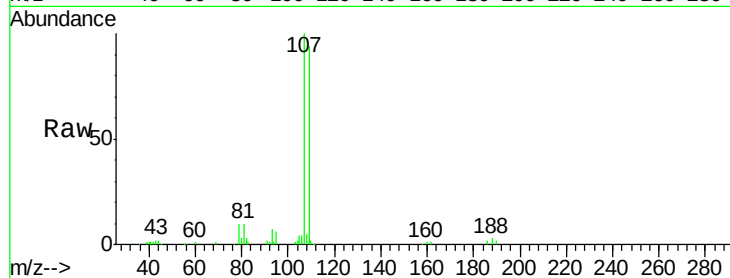




#61
 1,2-Dibromoethane
 Concen: 18.622 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

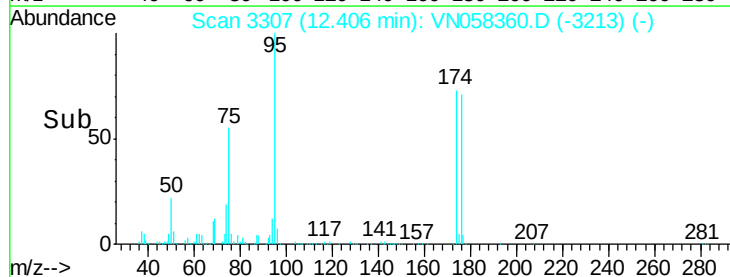
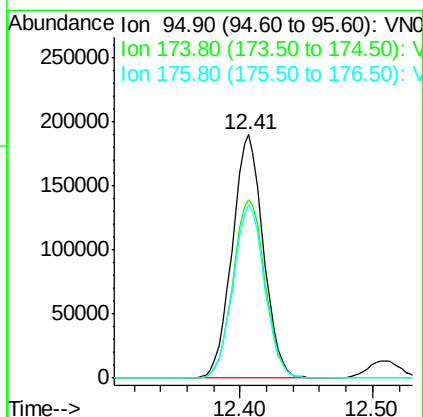
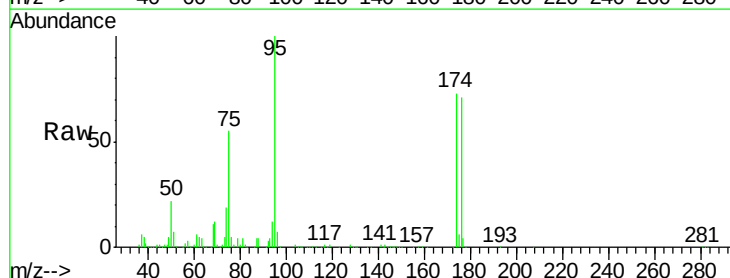
Instrument :
 MSVOA_N
 ClientSampled :

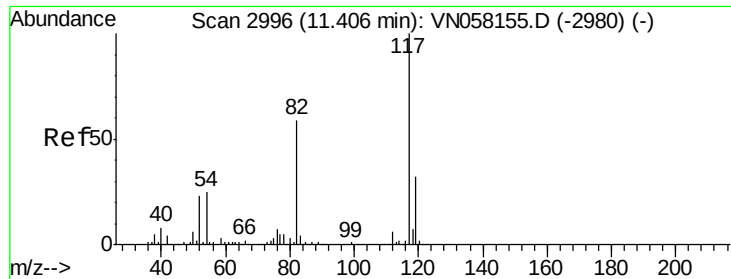
Tot Ion: 107 Resp: 83024
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 44.647 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion: 95 Resp: 308489
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 152.2
 176 72.1 0.0 148.0

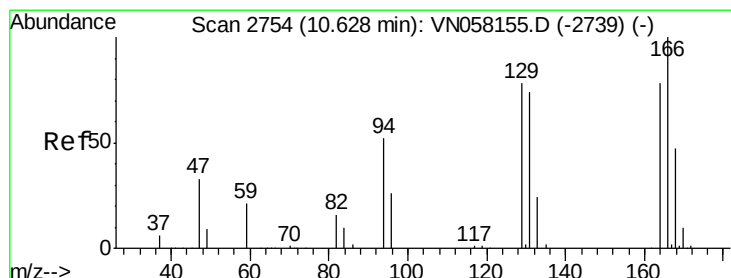
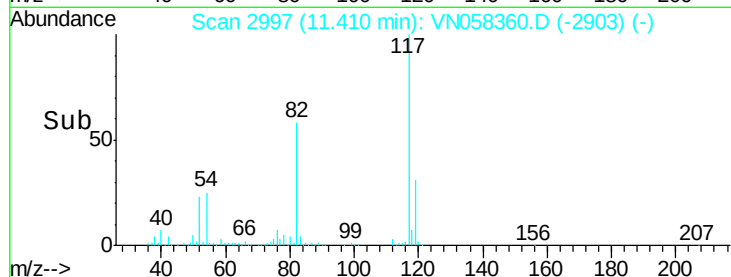
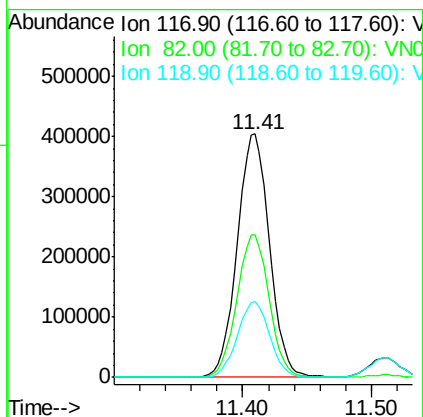
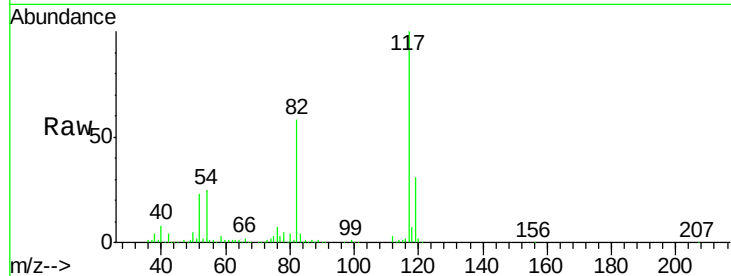




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

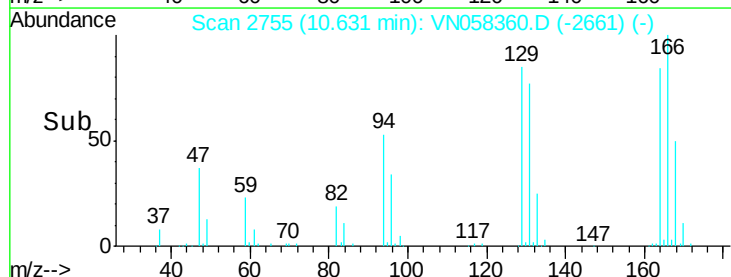
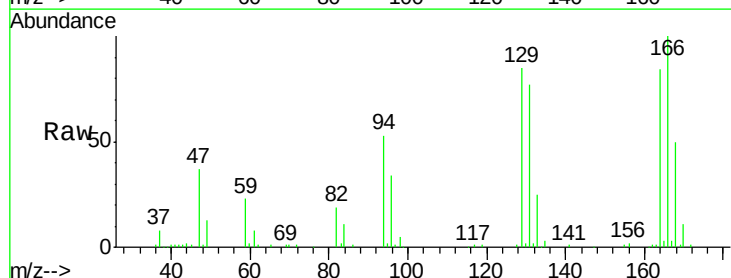
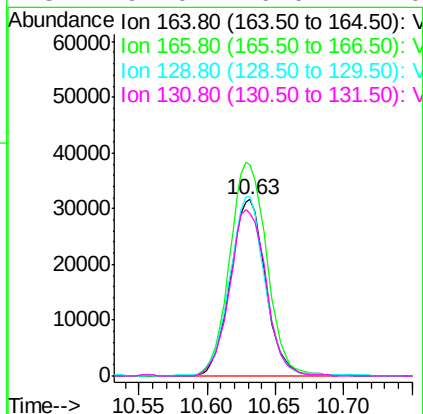
Instrument :
MSVOA_N
ClientSampleId :

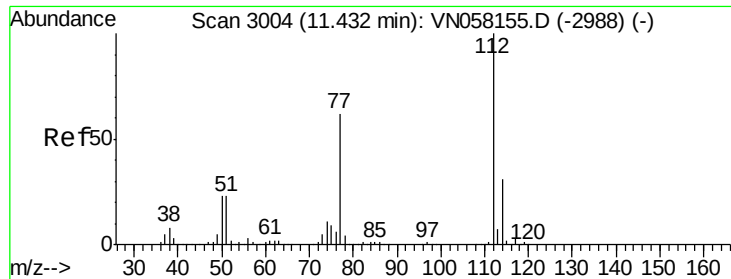
Tot Ion:117 Resp: 702280
Ion Ratio Lower Upper
117 100
82 58.4 46.9 70.3
119 31.3 25.3 37.9



#64
Tetrachloroethene
Concen: 16.640 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion:164 Resp: 56966
Ion Ratio Lower Upper
164 100
166 119.7 102.2 153.4
129 101.3 79.6 119.4
131 92.0 76.0 114.0





#65

Chlorobenzene

Concen: 17.841 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

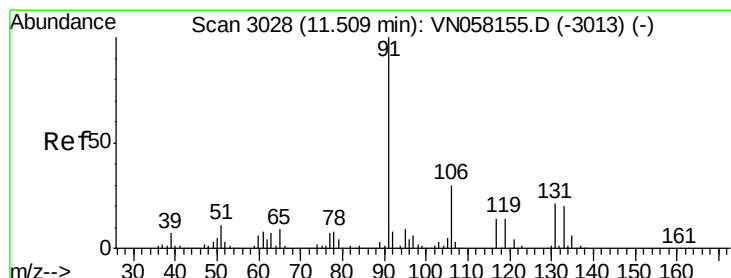
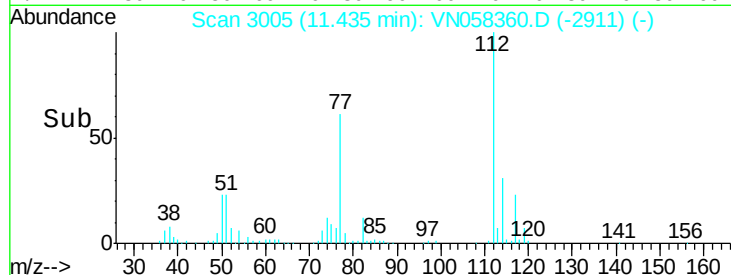
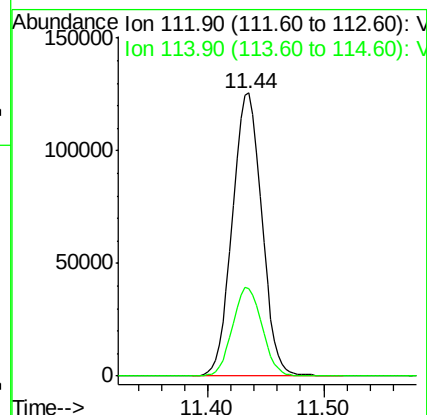
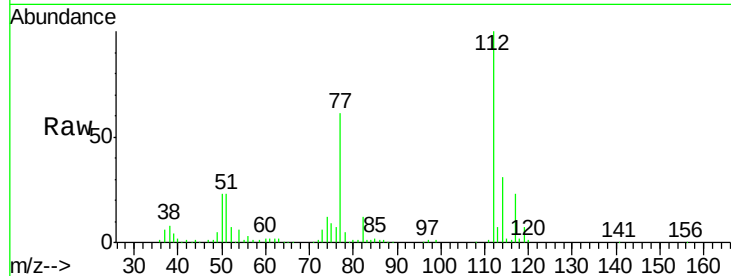
ClientSampleId :

Tot Ion:112 Resp: 220381

Ion Ratio Lower Upper

112 100

114 31.1 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 18.342 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

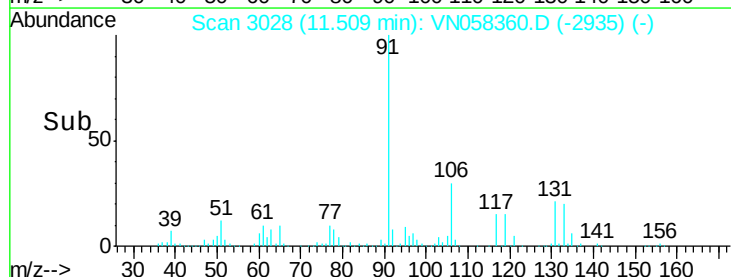
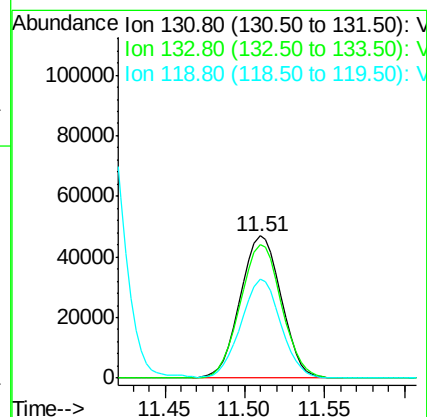
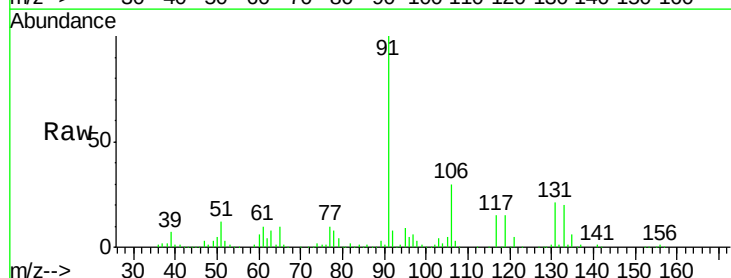
Tgt Ion:131 Resp: 82154

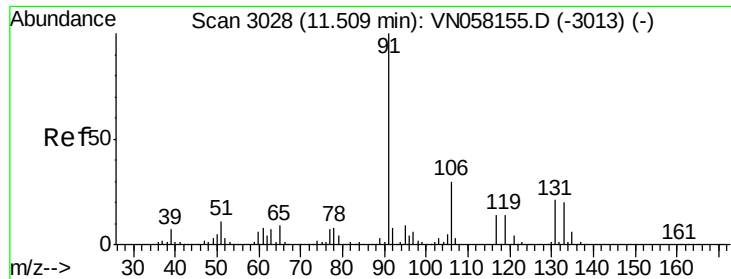
Ion Ratio Lower Upper

131 100

133 94.9 47.8 143.3

119 67.7 33.1 99.3





#67

Ethyl Benzene

Concen: 18.250 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

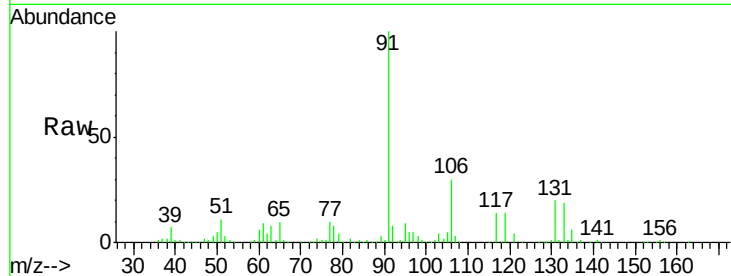
ClientSampled :

Tot Ion: 91 Resp: 386282

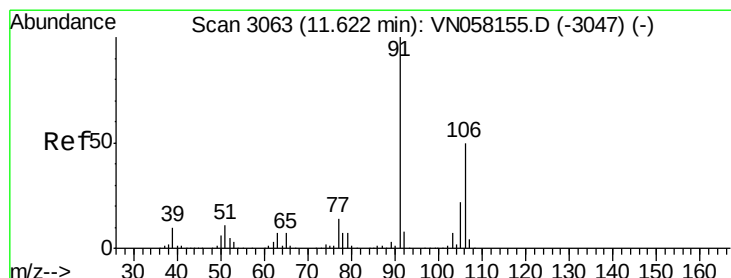
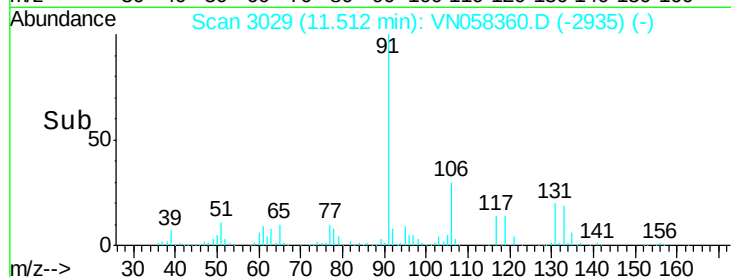
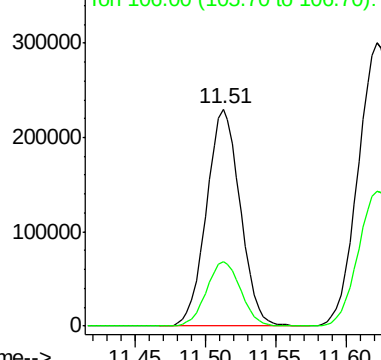
Ion Ratio Lower Upper

91 100

106 29.8 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3013) (-)



#68

m/p-Xylenes

Concen: 35.204 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058360.D

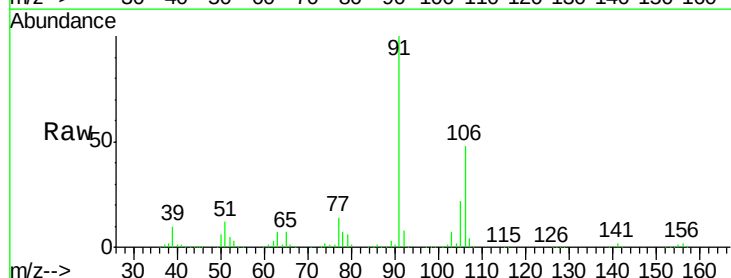
Acq: 25 Sep 2019 12:36

Tgt Ion: 106 Resp: 280637

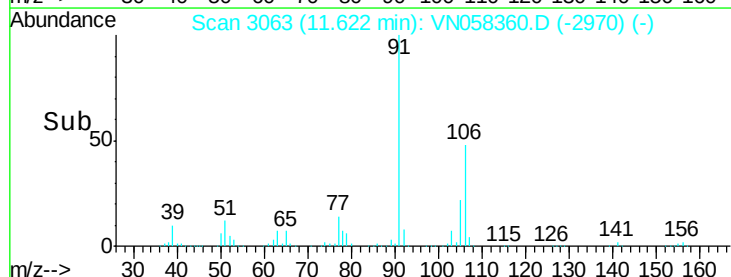
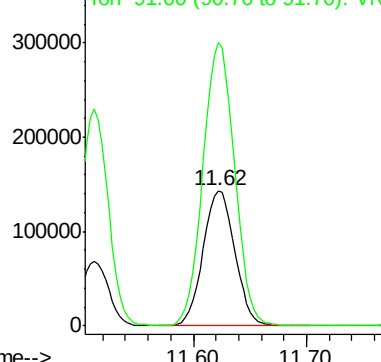
Ion Ratio Lower Upper

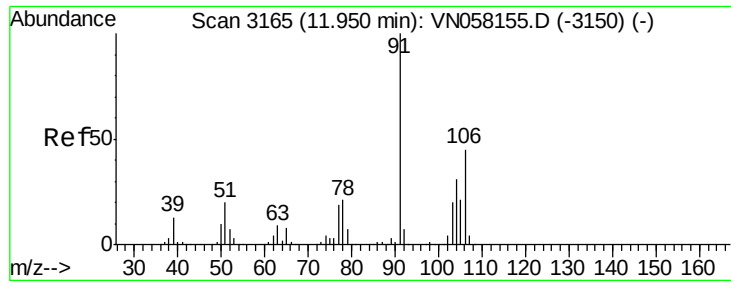
106 100

91 208.3 163.6 245.4



Abundance Ion 106.00 (105.70 to 106.70): VN058155.D (-3047) (-)

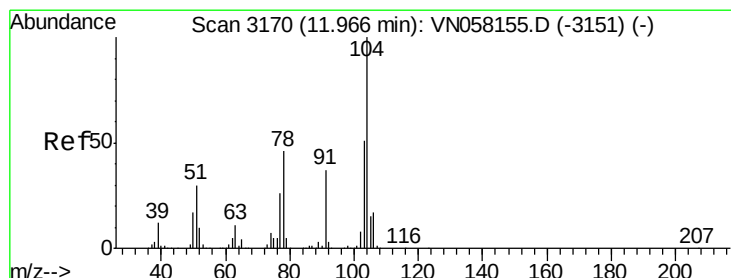
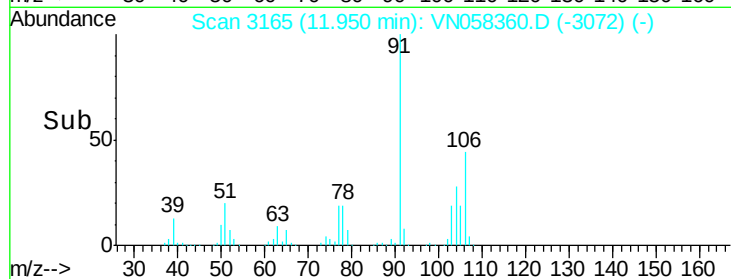
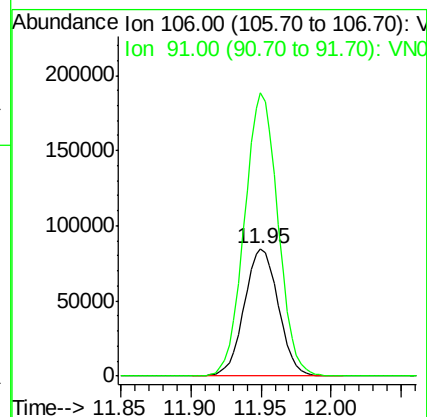
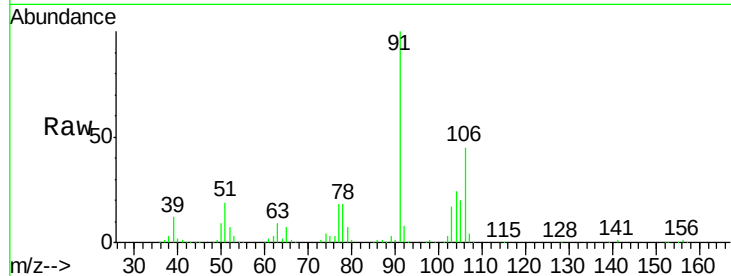




#69
o-Xylene
Concen: 18.292 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

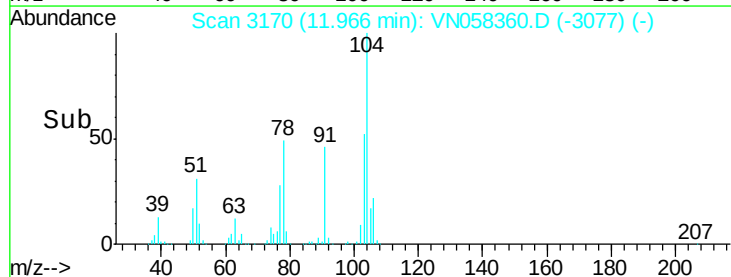
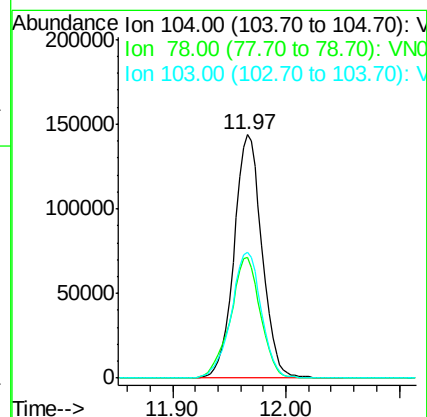
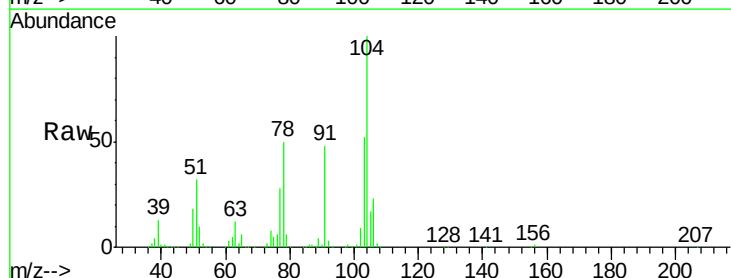
Instrument :
MSVOA_N
ClientSampled :

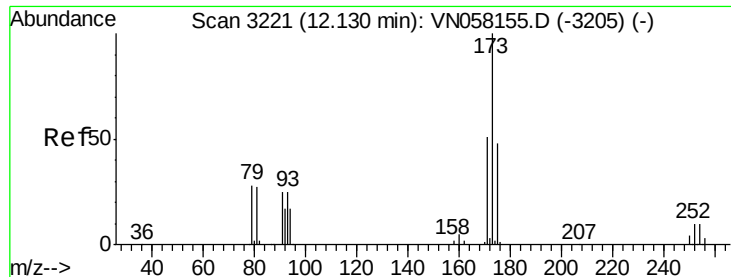
Tot Ion:106 Resp: 143382
Ion Ratio Lower Upper
106 100
91 219.2 111.8 335.3



#70
Styrene
Concen: 18.283 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion:104 Resp: 246924
Ion Ratio Lower Upper
104 100
78 53.4 41.8 62.8
103 55.7 44.2 66.2

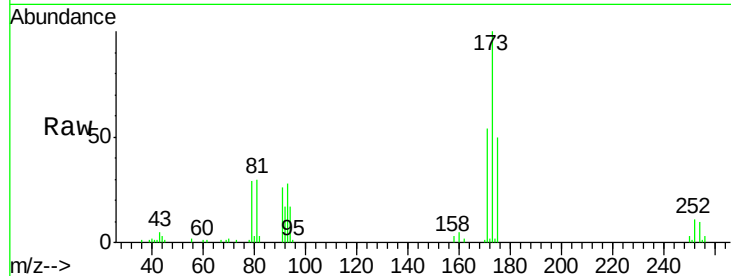




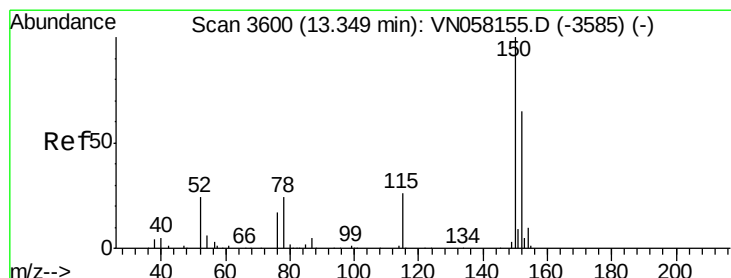
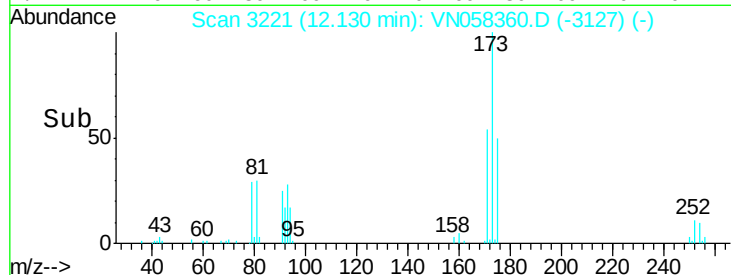
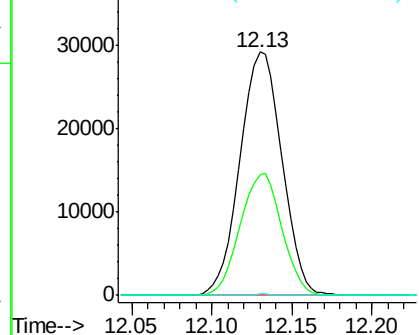
#71
Bromoform
Concen: 18.225 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 52346
Ion Ratio Lower Upper
173 100
175 49.5 24.2 72.6
254 0.1 0.1 0.1

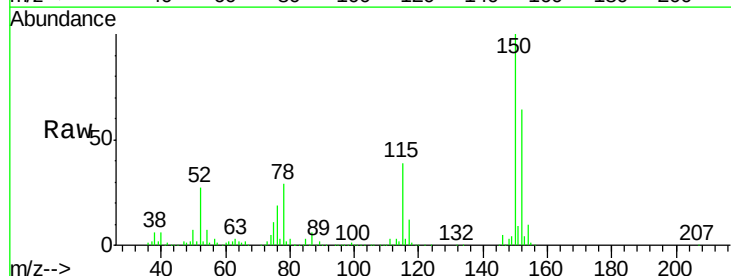


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

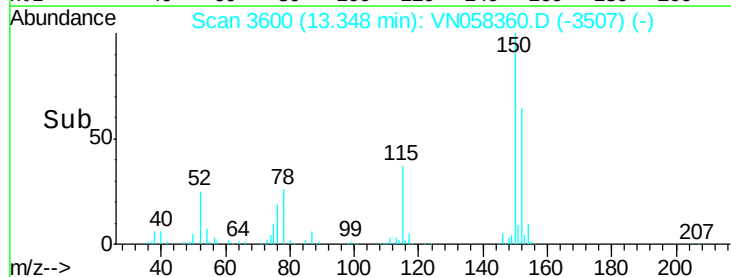
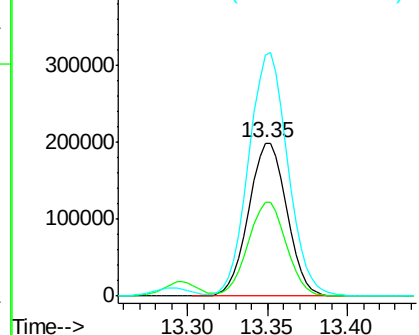


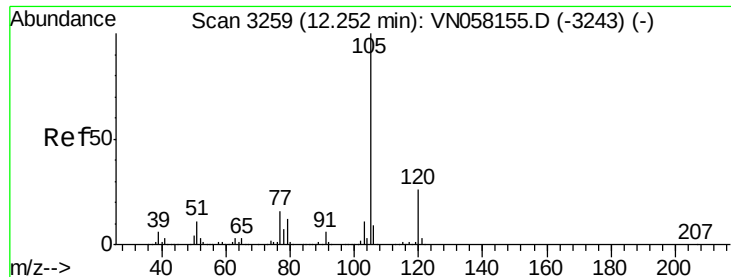
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion:152 Resp: 324906
Ion Ratio Lower Upper
152 100
115 61.1 30.1 90.3
150 163.5 0.0 346.4



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





#73

Isopropylbenzene

Concen: 19.835 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

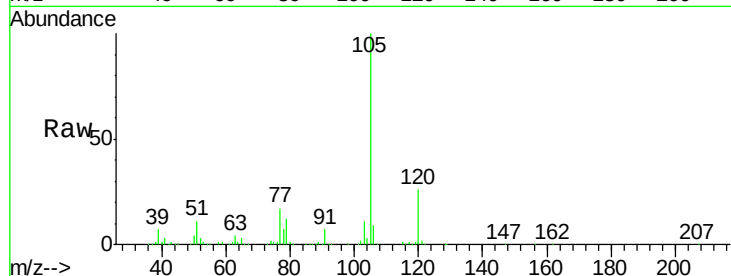
ClientSampled :

Tot Ion:105 Resp: 403394

Ion Ratio Lower Upper

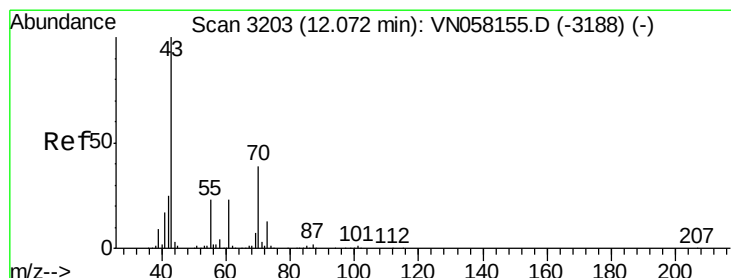
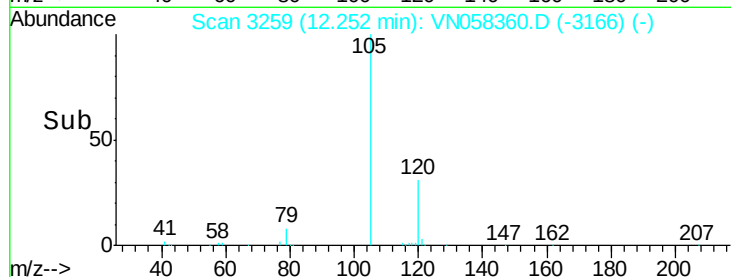
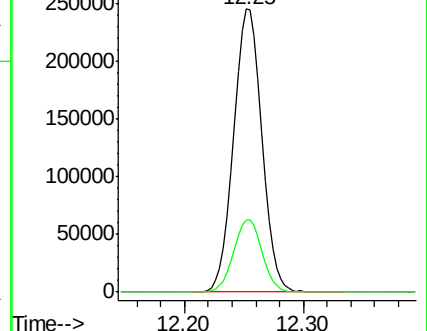
105 100

120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.248 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Tgt Ion: 43 Resp: 172269

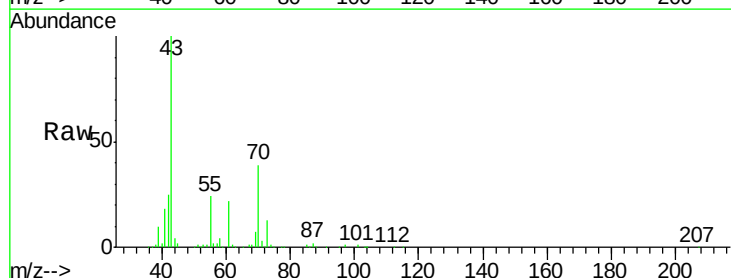
Ion Ratio Lower Upper

43 100

70 39.4 31.0 46.6

55 25.5 18.5 27.7

61 22.3 18.2 27.2

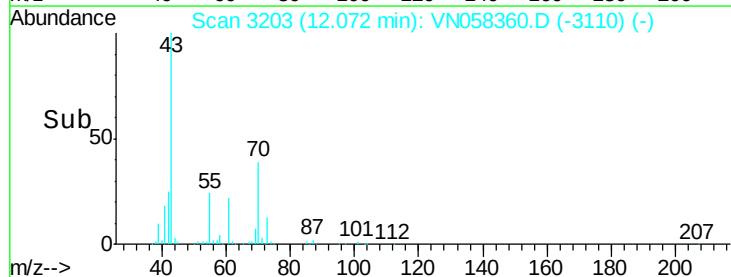
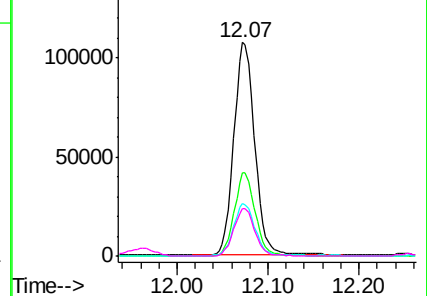


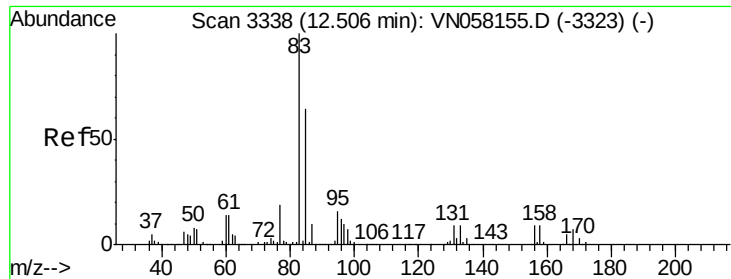
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.749 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

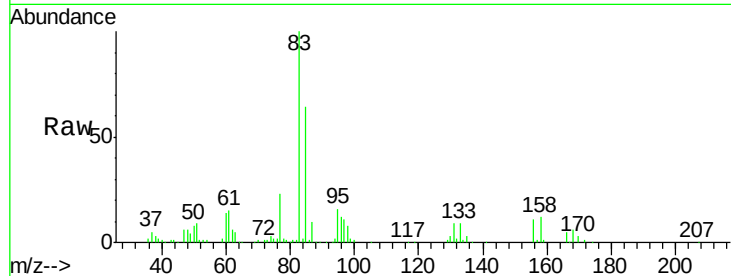
Tot Ion: 83 Resp: 141311

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

85 63.7 31.9 95.5

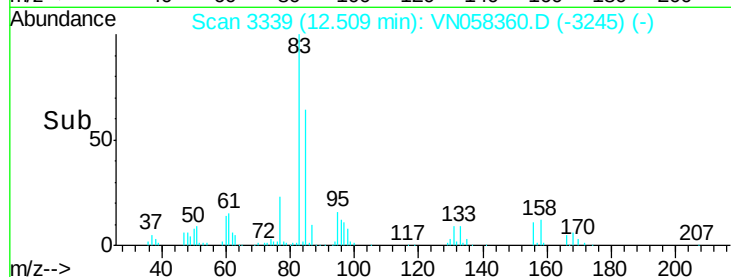


Abundance Ion 82.90 (82.60 to 83.60): VN058360.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058360.D (-3245) (-)

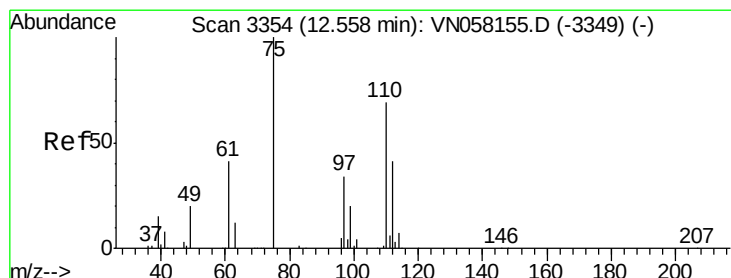
Ion 84.90 (84.60 to 85.60): VN058360.D (-3245) (-)

Time-->



12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 28.563 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058360.D

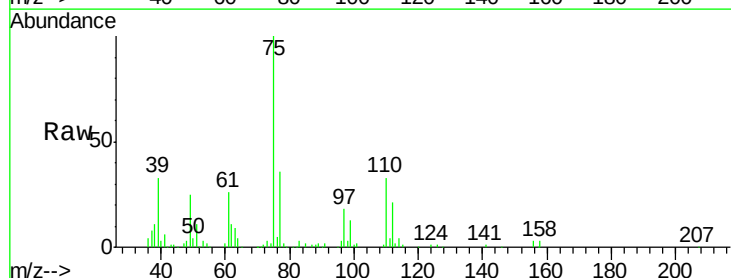
Acq: 25 Sep 2019 12:36

Tgt Ion: 75 Resp: 166089

Ion Ratio Lower Upper

75 100

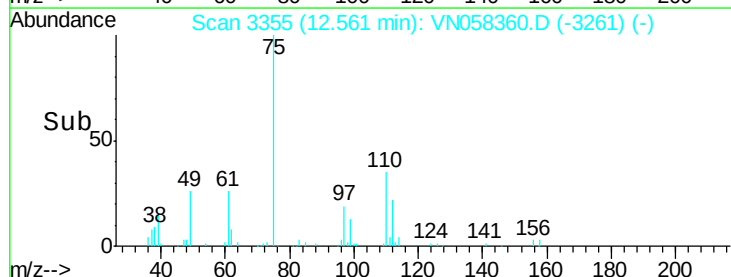
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058360.D (-3261) (-)

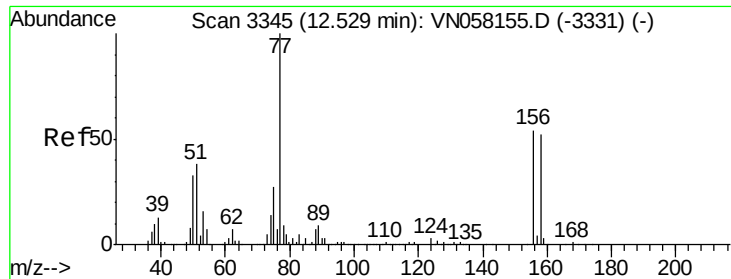
Ion 77.00 (76.70 to 77.70): VN058360.D (-3261) (-)

Time-->



12.56

Time-->



#77

Bromobenzene

Concen: 18.669 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

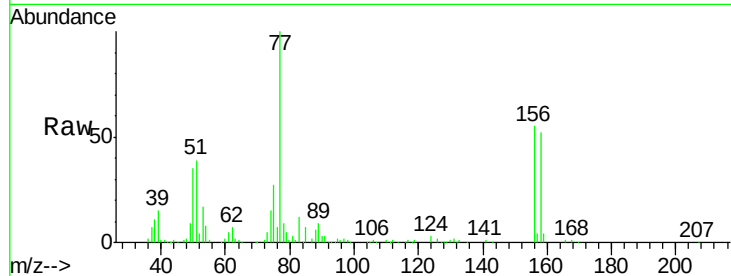
Tot Ion:156 Resp: 95502

Ion Ratio Lower Upper

156 100

77 224.8 111.7 335.1

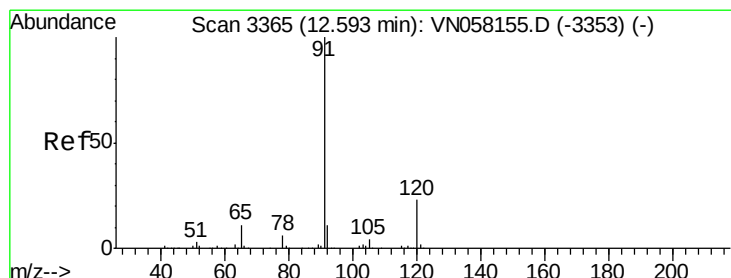
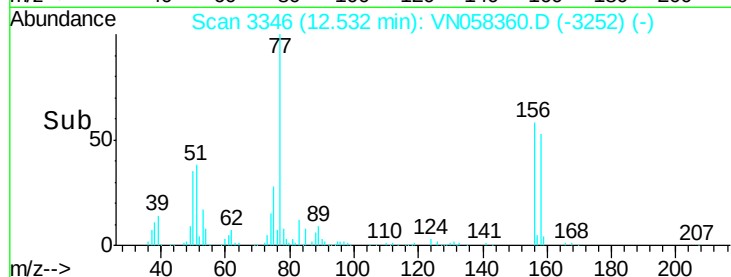
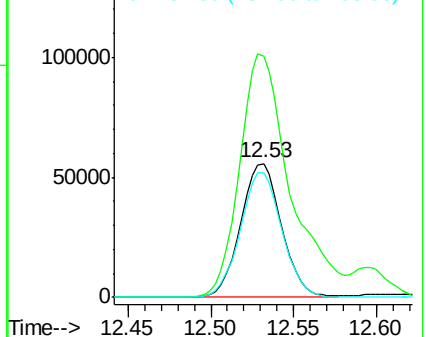
158 94.7 47.9 143.8



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: 20.183 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058360.D

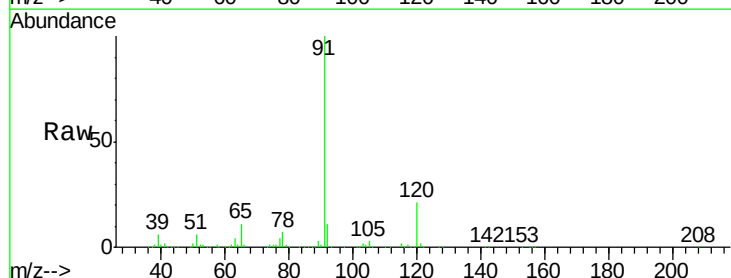
Acq: 25 Sep 2019 12:36

Tgt Ion: 91 Resp: 466436

Ion Ratio Lower Upper

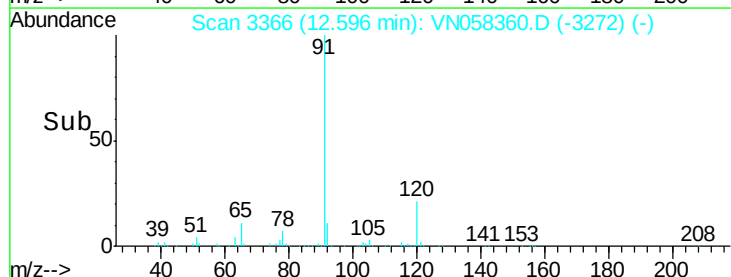
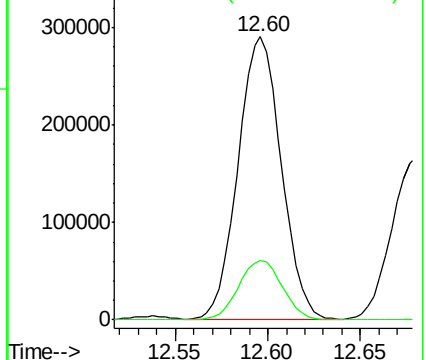
91 100

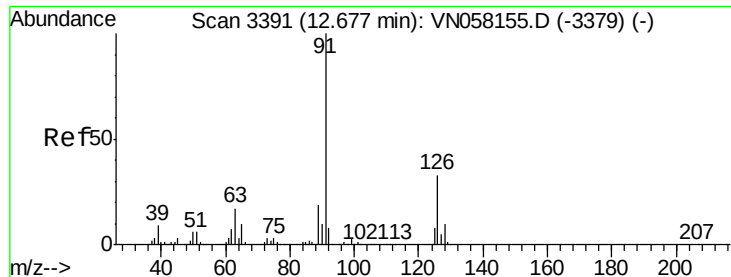
120 21.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.367 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

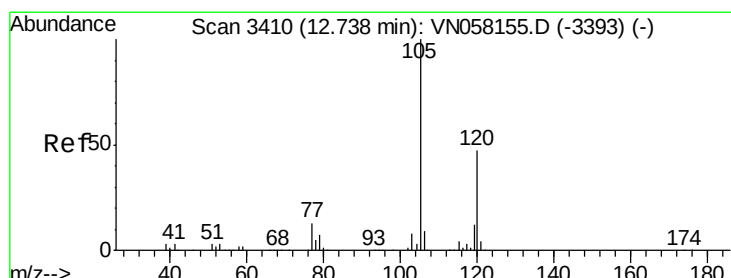
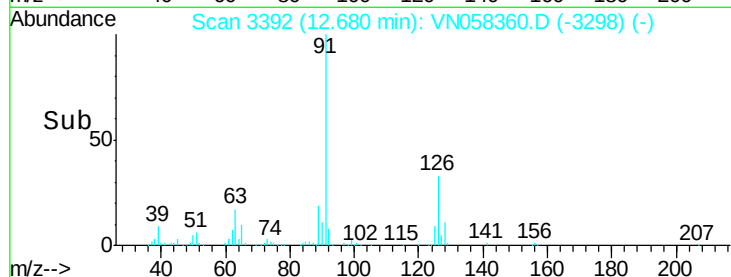
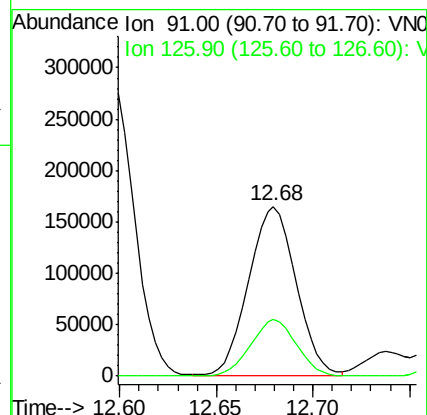
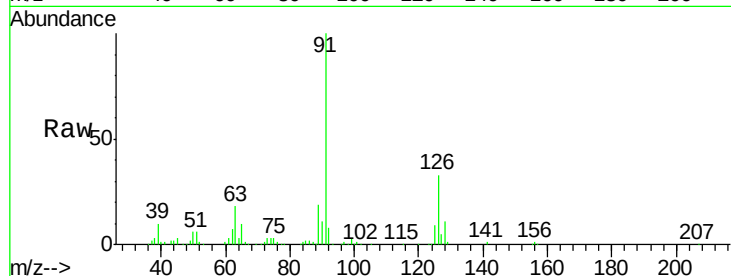
ClientSampled :

Tot Ion: 91 Resp: 279717

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 19.666 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058360.D

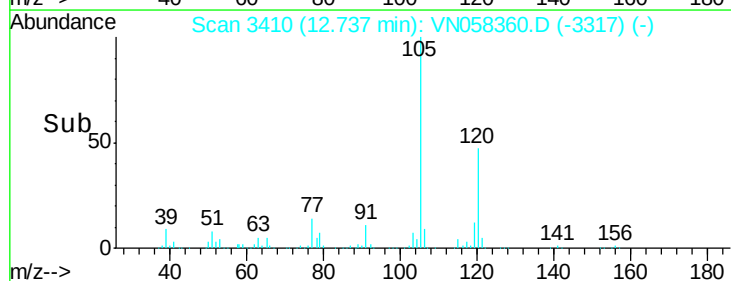
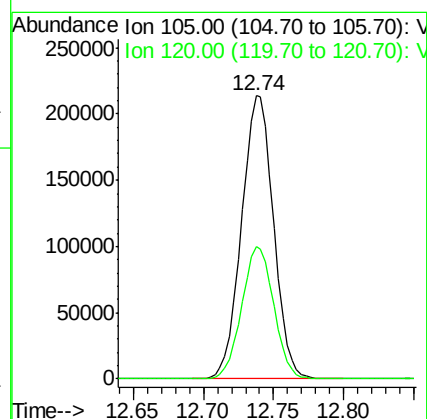
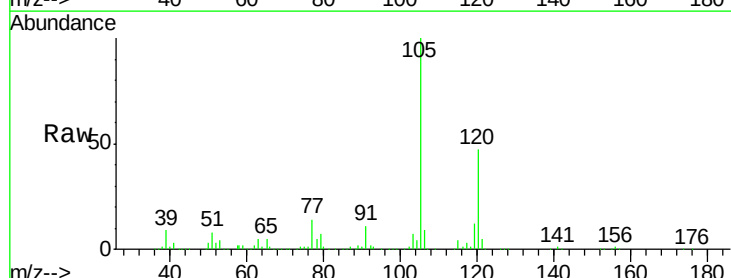
Acq: 25 Sep 2019 12:36

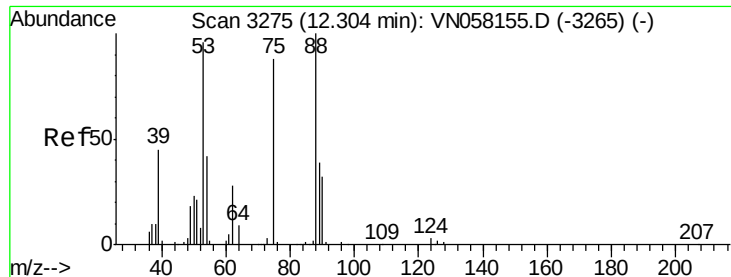
Tgt Ion: 105 Resp: 338197

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.127 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

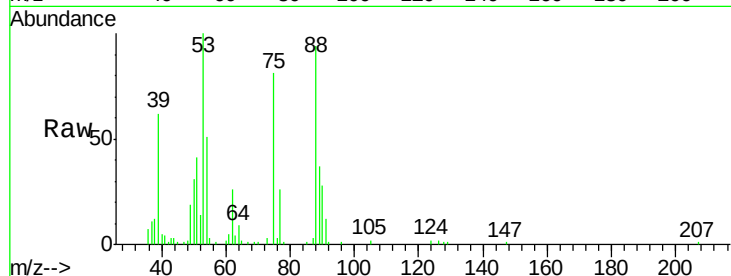
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 31694

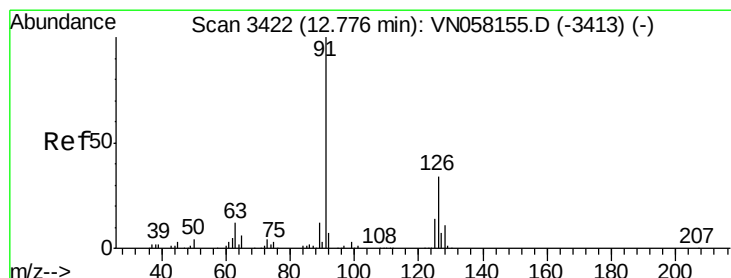
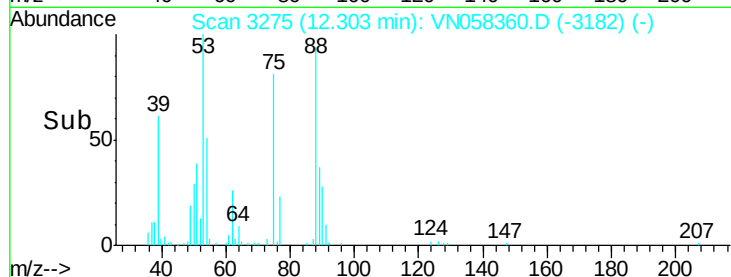
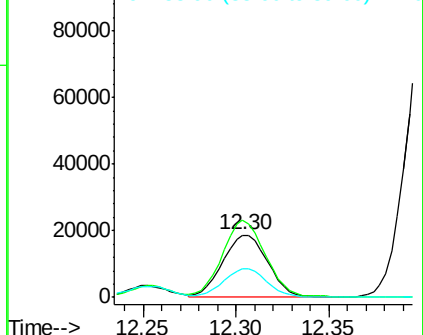
Ion	Ratio	Lower	Upper
75	100		
53	119.1	90.1	135.1
89	44.1	36.2	54.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.850 ug/l

RT: 12.78 min Scan# 3423

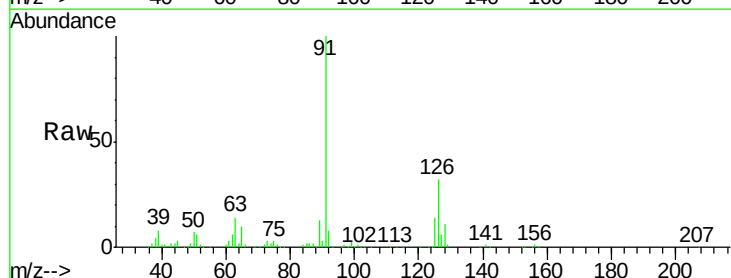
Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

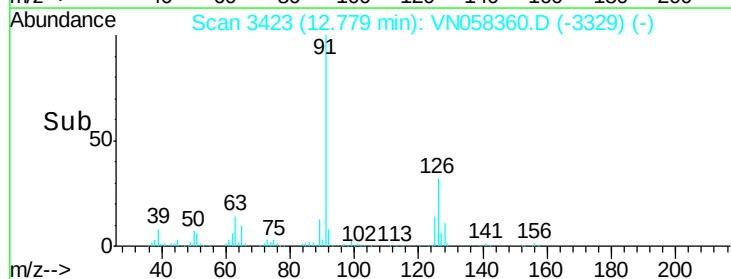
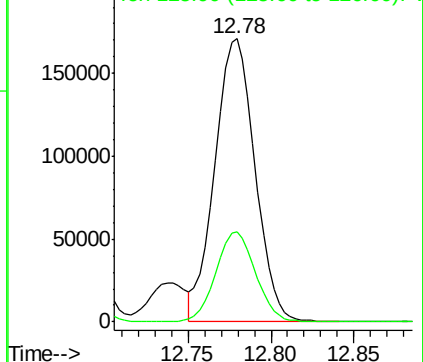
Tgt Ion: 91 Resp: 286178

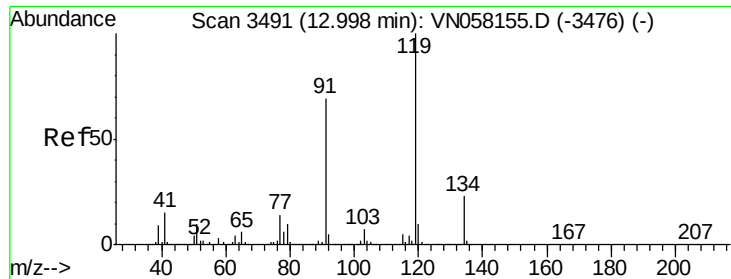
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

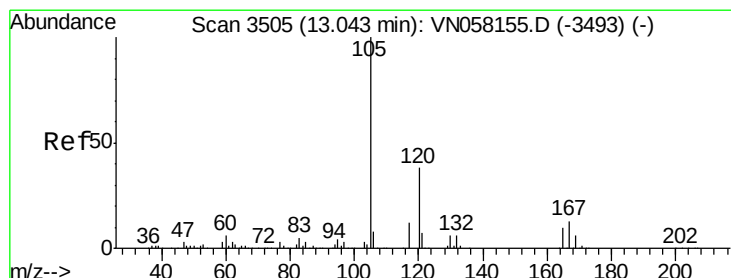
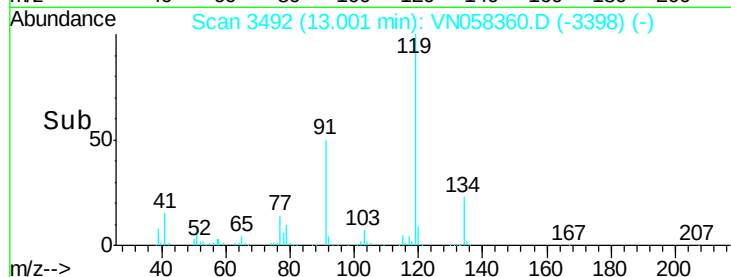
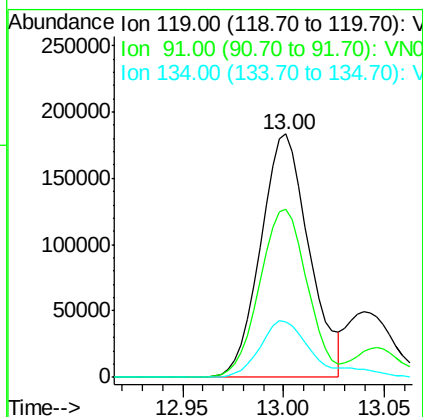
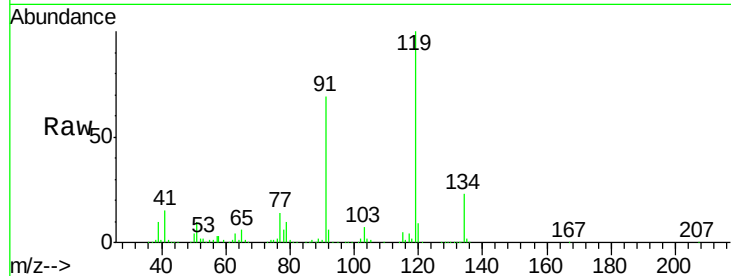




#83
tert-Butylbenzene
Concen: 20.013 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

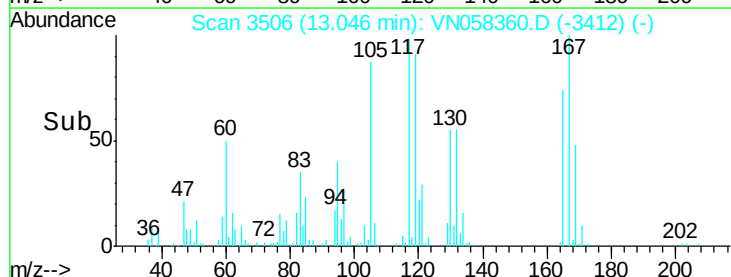
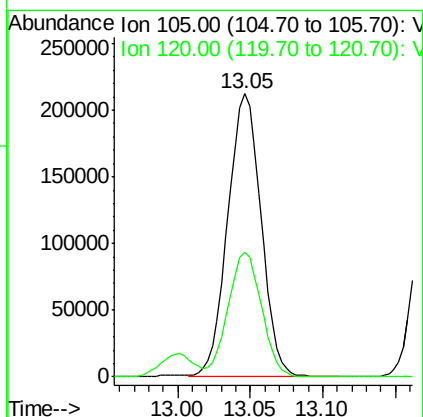
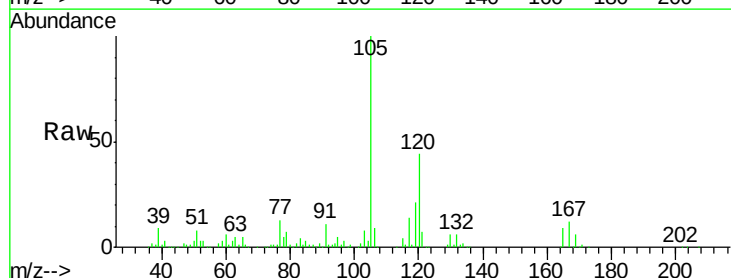
Instrument :
MSVOA_N
ClientSampled :

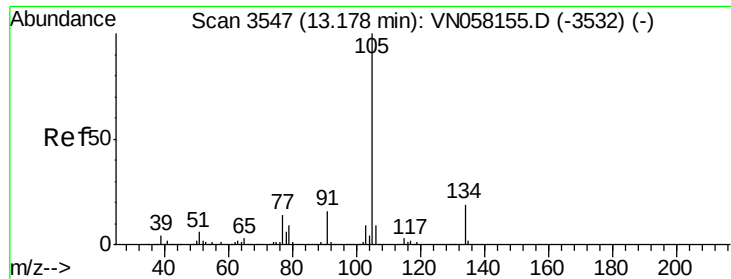
Tot Ion:119 Resp: 306922
Ion Ratio Lower Upper
119 100
91 68.1 33.8 101.3
134 25.6 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 19.766 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058360.D
Acq: 25 Sep 2019 12:36

Tgt Ion:105 Resp: 338282
Ion Ratio Lower Upper
105 100
120 44.6 22.1 66.5





#85

sec-Butylbenzene

Concen: 20.291 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

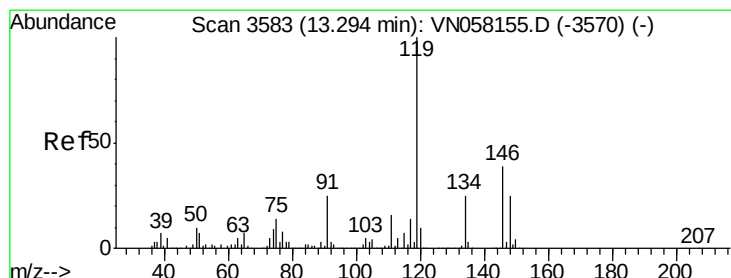
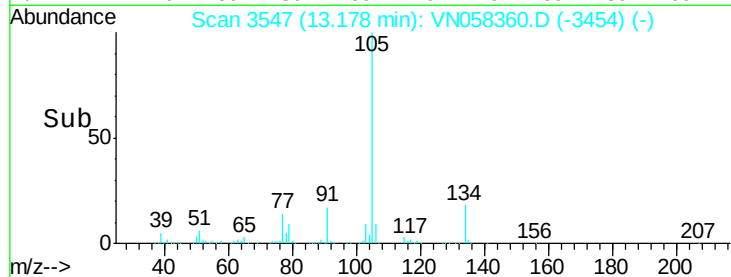
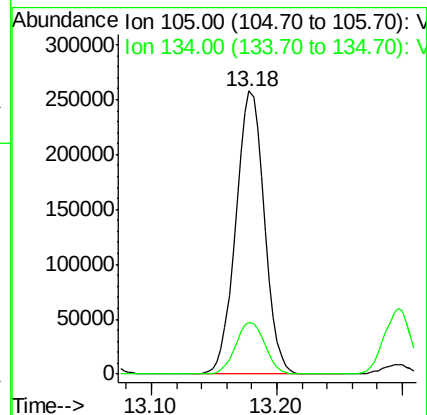
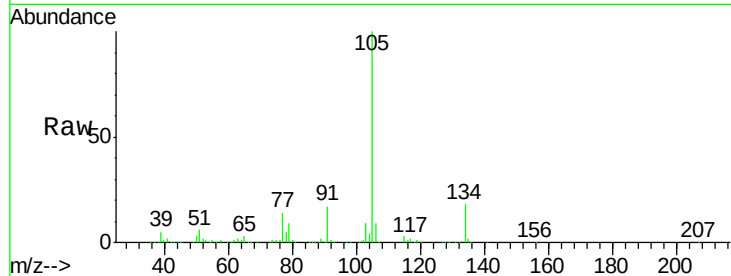
ClientSampleId :

Tot Ion:105 Resp: 406931

Ion Ratio Lower Upper

105 100

134 19.0 9.5 28.5



#86

p-Isopropyltoluene

Concen: 20.249 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

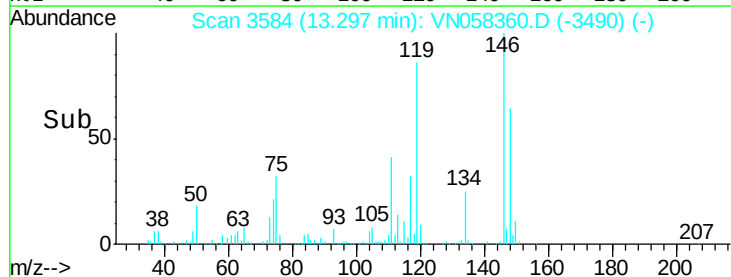
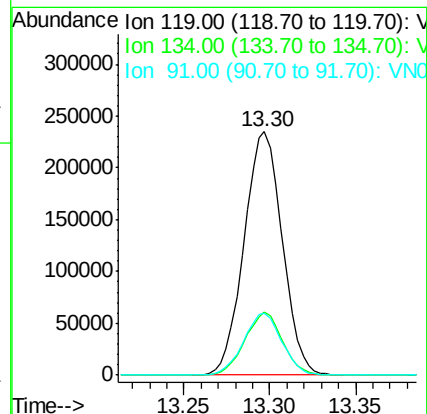
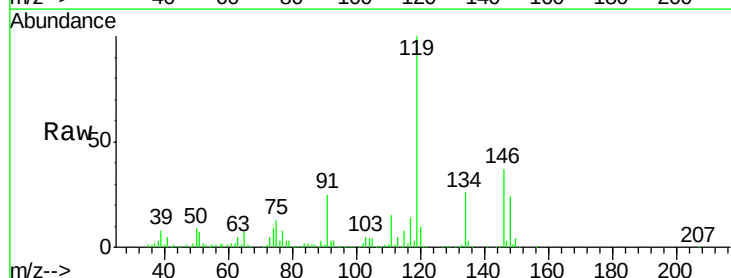
Tgt Ion:119 Resp: 361027

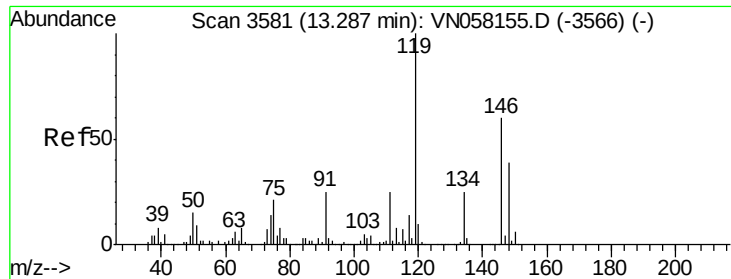
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.0

91 25.2 12.3 36.8

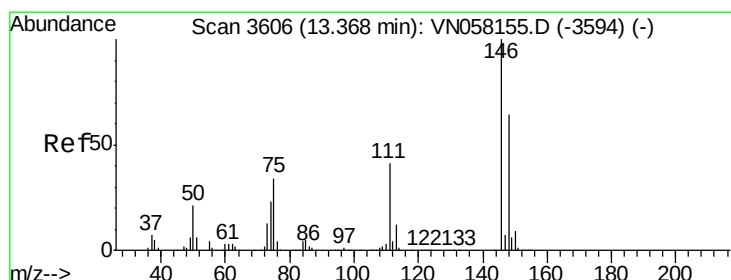
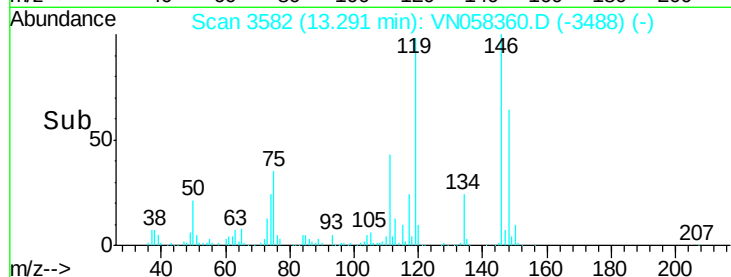
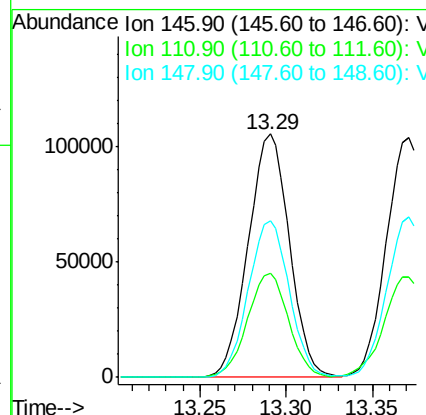
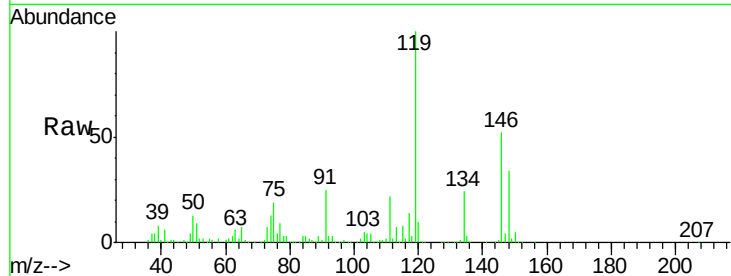




#87
 1,3-Dichlorobenzene
 Concen: 18.754 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

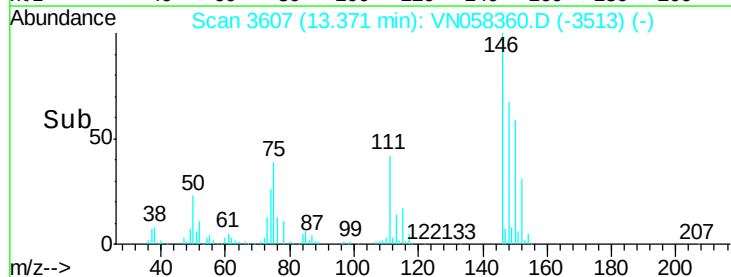
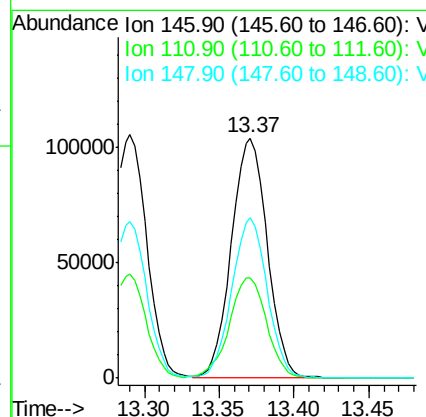
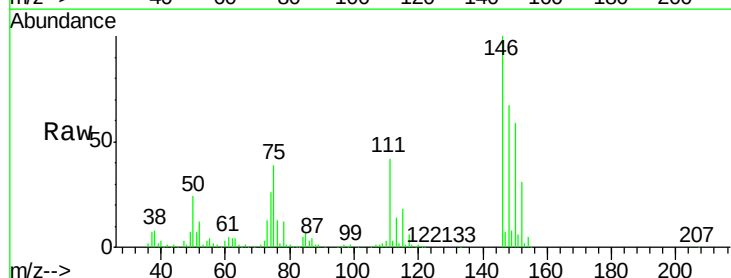
Instrument :
 MSVOA_N
 ClientSampled :

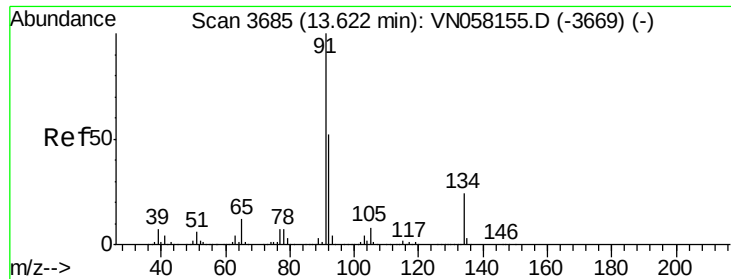
Tot Ion:146 Resp: 175226
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.9 62.8
 148 63.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 18.190 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion:146 Resp: 173517
 Ion Ratio Lower Upper
 146 100
 111 43.6 20.5 61.5
 148 65.8 31.9 95.5





#89

n-Butylbenzene

Concen: 19.508 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

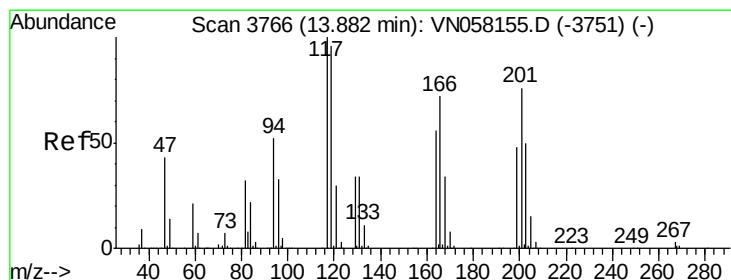
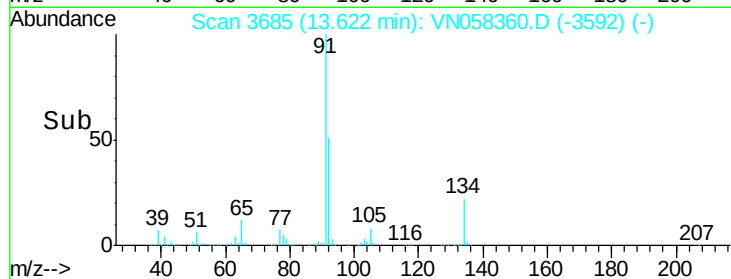
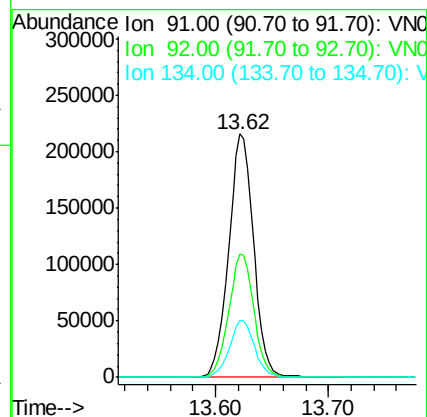
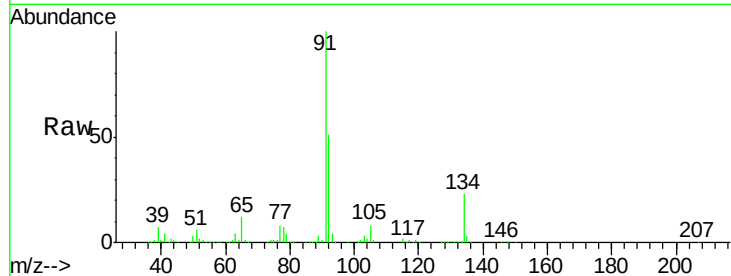
Tot Ion: 91 Resp: 329746

Ion Ratio Lower Upper

91 100

92 51.1 25.7 77.0

134 23.5 11.8 35.4



#90

Hexachloroethane

Concen: 19.488 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058360.D

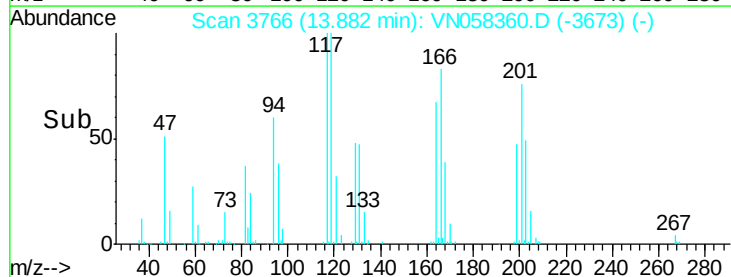
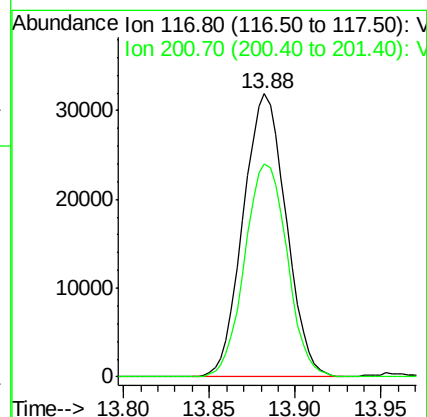
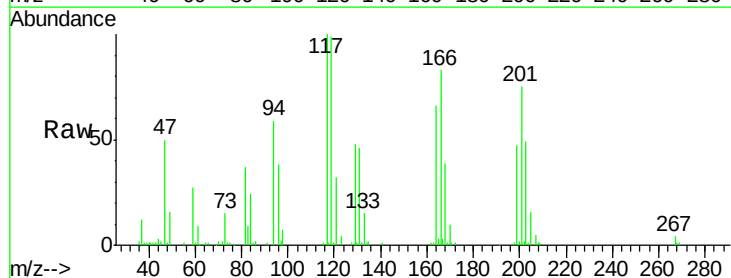
Acq: 25 Sep 2019 12:36

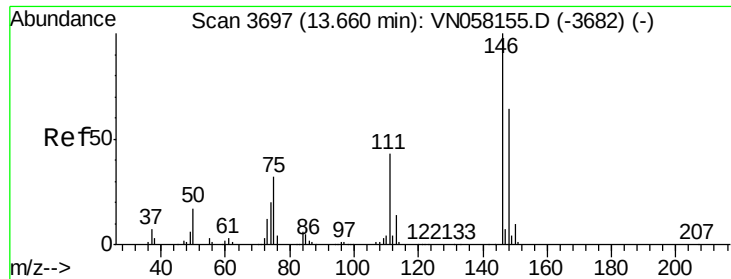
Tgt Ion: 117 Resp: 55222

Ion Ratio Lower Upper

117 100

201 74.5 37.5 112.5

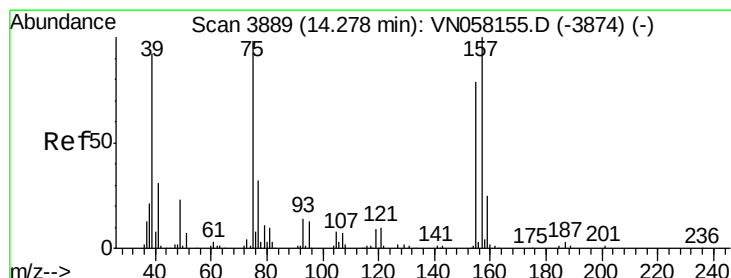
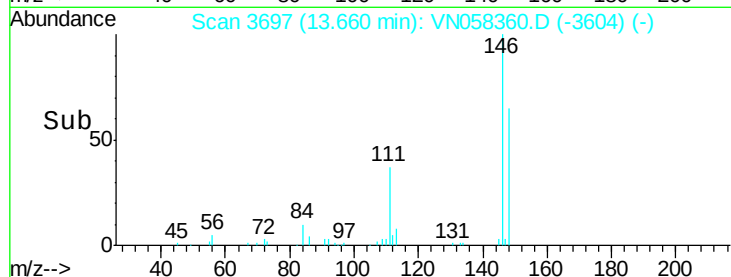
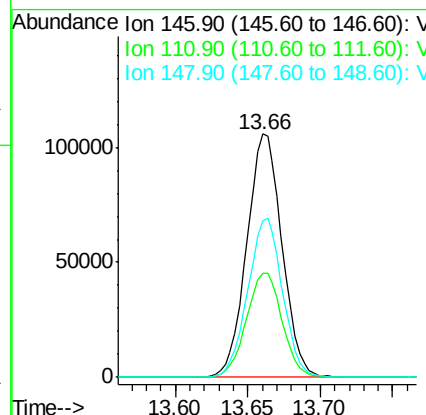
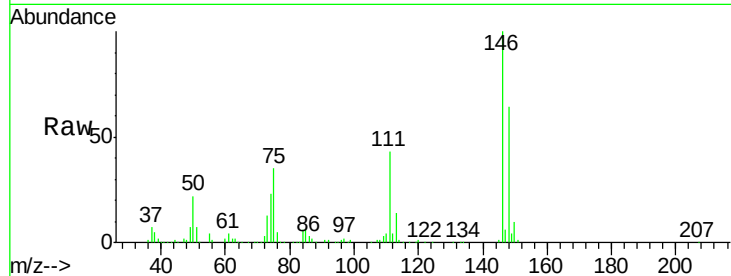




#91
 1,2-Dichlorobenzene
 Concen: 19.110 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

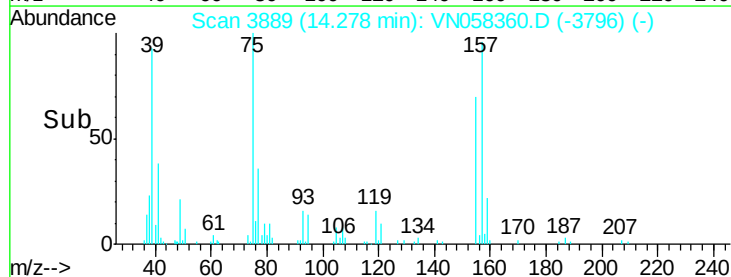
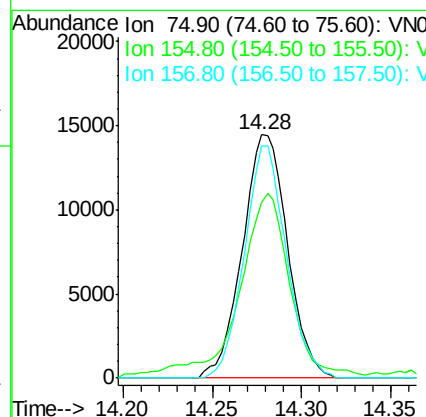
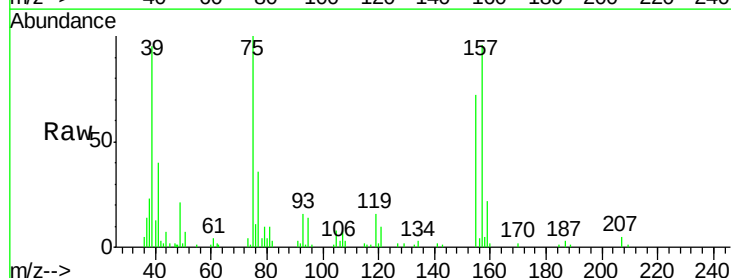
Instrument :
 MSVOA_N
 ClientSampled :

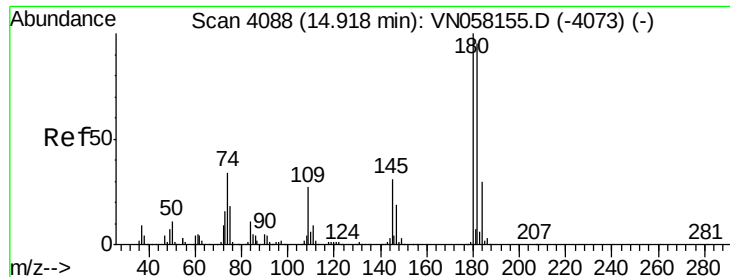
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.1	63.1
148	64.4	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.858 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	38.3	114.8
157	89.1	48.0	144.0

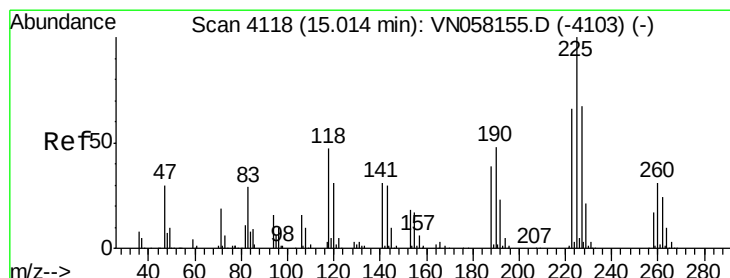
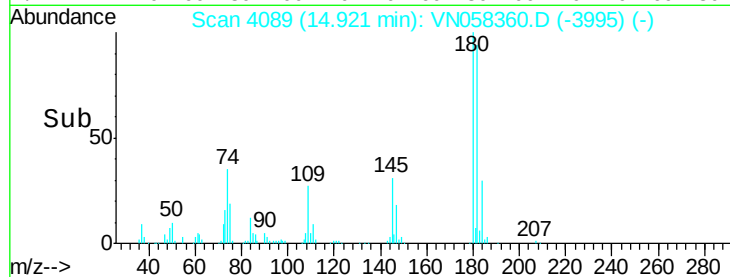
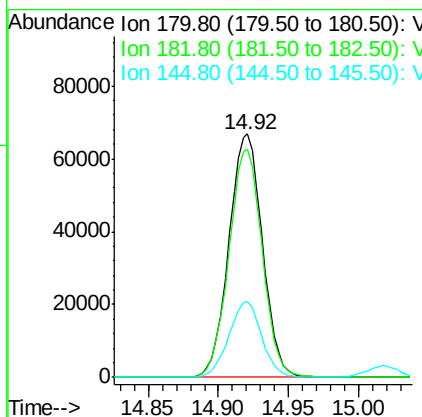
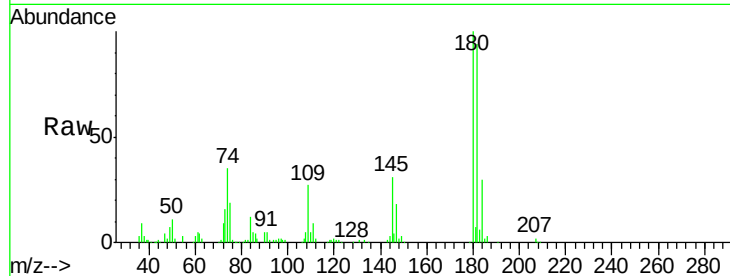




#93
 1,2,4-Trichlorobenzene
 Concen: 18.515 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

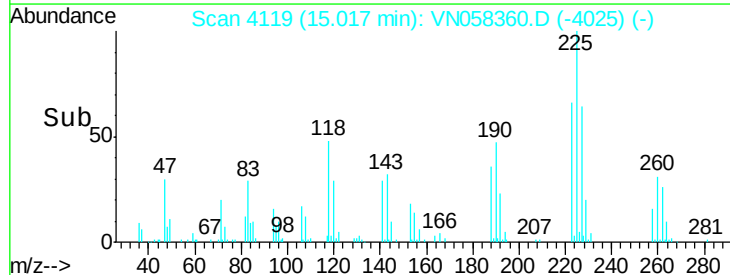
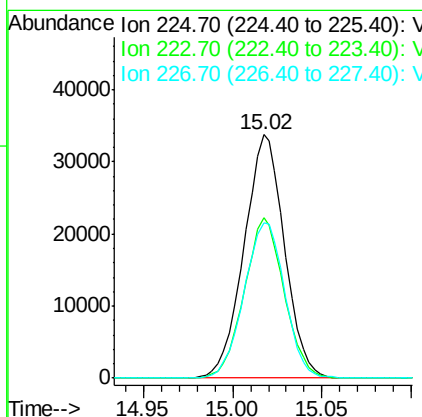
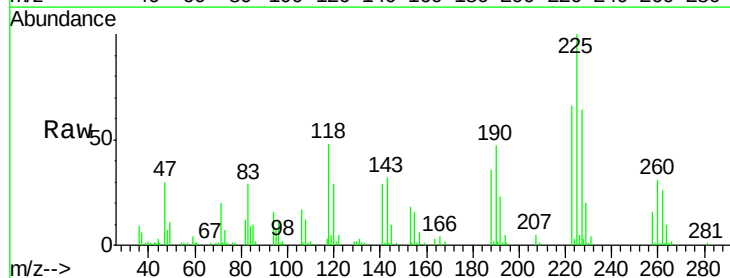
Instrument :
 MSVOA_N
 ClientSampled :

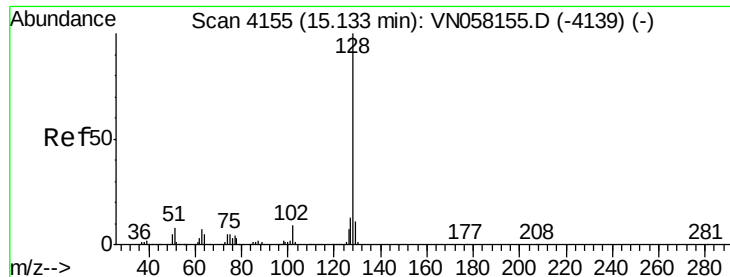
Tot Ion:180 Resp: 110876
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.8 143.3
 145 30.7 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 18.470 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058360.D
 Acq: 25 Sep 2019 12:36

Tgt Ion:225 Resp: 53459
 Ion Ratio Lower Upper
 225 100
 223 64.9 32.6 97.7
 227 64.3 33.0 99.0





#95

Naphthalene

Concen: 20.701 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

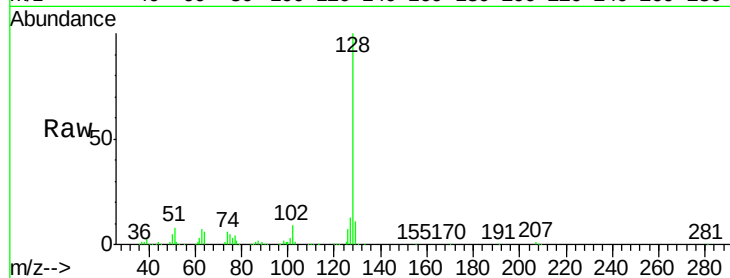
Tot Ion:128 Resp: 321262

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

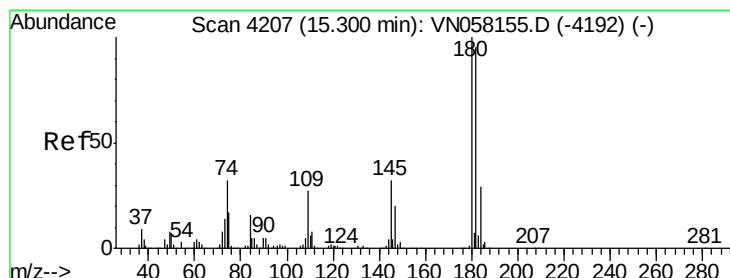
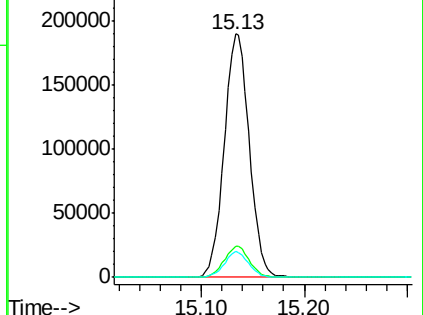
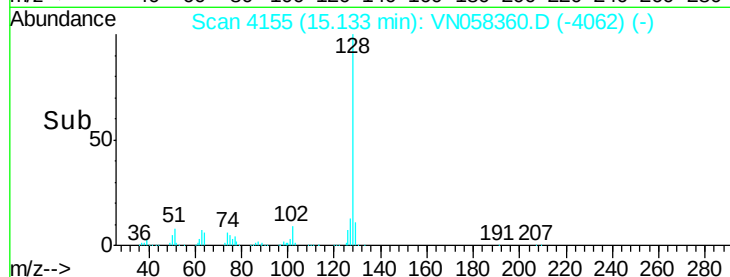
129 10.3 8.6 12.8



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: 18.771 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058360.D

Acq: 25 Sep 2019 12:36

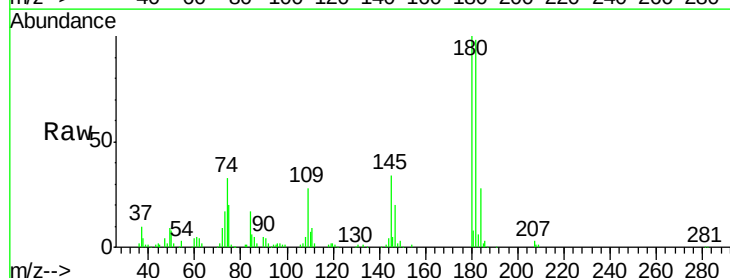
Tgt Ion:180 Resp: 106246

Ion Ratio Lower Upper

180 100

182 96.2 47.4 142.2

145 33.8 16.1 48.2



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

